Svadhyaya

2025-26

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- To explore, create and develop innovations in various aspects of engineering through industries and institutions.
- To emphasize on practical skills and socially relevant technology.

Contents

- Messages
- Editorial Board
- Articles

Role of Microfinance …	-Biswa Bhusan Mishra	01
Pollution: The Silent Crisis of Our Generation	-Rabindranath Gouda	02
2035's Silence – When Machines Spoke…	-Raushan Kumar	03
A Friendship Written Beyond Time	-Bisworanjan Das	04
A Beautiful Mind: The Quantum…	-Gopal Krishna Behera	05
A Budding Manager in the Making	-Sangram Kumar Sahoo	06
AI as Your Co-Pilot: The Future of Learning…	-Silki Sonali Choudhury	07
What Happens When Chatbots…	-Rahul Ranjan Kumar	07
AI Writing Tools and Engineering Education…	-Swasti Bachan Panda	08
AIoT APPLICATION: The Future…	-Amita Rani Das	09
The Detective's Lens: Why Mathematics…	-Akash Rath	10
Understanding Money Without…	-Amiya Ranjan Sahoo	10
SOFTENING OF HIGH-PRESSURE BOILER…	-Anindita Swain	11
An Overview of Self-Healing Concrete…	-Sudesna Baliarsingh	12
Electrical Engineering: The Foundation…	-Dr. Anshuman Bhuyan	12
When Technology Becomes the…	-Dr. Bikash Ch. Pattanaik	13
Power Electronics in Electric…	-Ajit Kumar Patra	14
Between Deadlines and Dreams…	-Harapriya Das	14
Becoming the Leader I Aspire to Be	-Sangita Ghadai	15
Beyond Profit: My Journey Toward…	-M a n a s B a r i k	15
Beyond the Switch: Life in the Age of Smart Power	-Amisha Mishra	16
AI-Driven Smart Grids and the…	-Brajesh Kumar	17
Building What…	-Ashutosh Mohapatra	17
Captain Cool: The Untold Story of MS Dhoni	-Rojalin Rout	18
Cognitive Radio Networks	-Prof. Madhulita Mohapatra	19
CONSISTENCY AND DISCIPLINE BUILD…	-MD SERAJ	19
WorkLife Balance and Physical…	-Prof. Rakesh Kumar Sethy	20
Electric Vehicles: Driving the…	-Himadri Himaprava Jena	20
ELECTRICAL ENERGY: “THE…	-Sahil Kumar Sahani	21
Empowering Women, Healing…	-Arpita Swain	22
EQUALITY IN MENTAL HEALTH	-Janmajaya Mandal	22
Engineering the Invisible: How…	-Adarsh Deepak	23
Man vs. Bear	Ezze -Afsana Santosi	24
Exploring Managerial Domains…	-Golak Das	25
Finance as Juridical Architecture…	-Pramit Chandra Rout	25
Finding Calm in the Chaos…	-Isita Mohanty	26
Finding My Place in the World of Management	-Anusaya Sahoo	27
Food as a Site of Cultural Resistance…	-Sunita Baral	27
From Backlogs to Breakthrough: A Journey…	-Randhir Kumar, 2nd Year MBA	28
From Field to Market: Reimagining Agribusiness	-Tanmaya Kumar Patra	29
From Fields to Frameworks: Agribusiness…	-P r a t i k s h y a G h a d a I	29
Guardians of the Tricolor: The…	-Biswajit Rayatsingh	30
History of Refrigeration	-Padmalochan Prusty	30
How I Found Meaning in Small Moments	-Debraj Naik	31
Human Edge in the AI Age	-Dr. Pritinika Behera	32
India in the Age of Artificial Intelligence	-Digvijay Kumar Singh	32
Indian Woman: Culture or Conditioning?	-Nandini Mahapatra	33
Innovation as a Management…	-Kousik Patra	34
Innovation with Integrity	-Seema Behera	34

Learning Fast, Learning Right	-Swadhin Sundaray	35
Learning to Stay	-Shreyas Satapathy	35
Leading Change in a Digital World	-Tanisha Priyadarshini Khatua	36
The Lunar Virtue: Preserving Essence…	-By MonalishaBesayee	36
Managing Growth in the Agri Value Chain	-Ashish Kumar Nayak	37
Managing the Frame: What Photography…	-Pramit Bindhani	37
Maybe, On Another Page	-Tanmay Dash	38
Mechanical Engineering in…	-Bhagyananda Pradhan	38
Mistakes I Made I Hope…	-Linkan Sahu	39
Modern Technology in Lifestyle	-Jigyasa Tripathy	40
More Than Style: What Fashion…	-Archita Garnayak	40
MOTIVATION TIME TO FACE FEARS	-Prof. Subrat Kumar Pattnaik	41
A Day Without Electricity: Can the World Survive?	-Saiprakash Khatua	42
Li-Fi: When Light Becomes the Internet	-Niranjan Soy	42
On the Nature of Quiet Voices	-Swatishree Karan	43
Plant Green, Donate Red and Save Blue	-Abinash Pany	43
The Power of a Positive Attitude	-Prof. Mahesh Prasad Sahoo	44
Understanding Teenagers: A Sensitive Phase of Life	-Pragyansa Patra	45
Quantum Communication: The Next Revolution	-By: Ritwick Rana	45
Redefining Management Through Innovation	-Ananya Sutar	46
REDUCTION OF CARBON FOOTPRINT…	-Dr. Sruti Ranjan Mishra	47
Role of Current Affairs in Students' Education	-Sanjana Rout	48
Artificial Intelligence in…	-Prof. Sasanka Sekhar Dalai	48
Small Town, Big Dreams…	-Saurav Kumar	49
Seeds of Strategy	-Satya Prakash Chand	50
Where Physics Meets the Human Heart	-Shaktiman Tripathy	51
The Importance of Studying Spectroscopy	-SipramayeeSathpathy	51
Smart Grid: The Future of Energy	-Rajkishor Kumar	52
Smart Laptop Startup Alert System…	-Rahul Kumar	53
SOFT SKILLS	-Prof. Jagannath Pradhan	54
The Spark of Success	-Soumya Ranjan Dash	54
FROM CLASSROOM TO STARTUP:…	-Subhankar Gaen	55
Sustainability and Environmental Responsibility	-Jeevan Kumar Sethy	56
Sustainable Strategies for Tomorrow's Organizations	-Preeti Patra	56
Technology and Smart Materials for…	Dr. Chitaranjan Dalai	57
The Day Data Spoke Back	-Dipanjaya Tripathy	58
The Day I Froze on Stage	-Adity Kumari	58
The Day I Learned to Speak Without Apology	-Suhasi Parida	59
The Divine Evolution of the…	-Dr. Laxman Kumar Sahoo	59
The Four Noble Truths	-Dr.Animesh Chhotray	60
The Girl Who Studied Under a Streetlight	-Bhagyashree Sahoo	61
The Golden Chapter: Student Life	-Raja Behera	62
The Kind of Confidence I Am Learning to Build	-Deepak Kumar Sahoo	62
The Long Road to the Classroom	-Namrata Sahoo	63
The Meeting That Changed My Perspective	-Sonali Swain	63
The Power of Integrated Management	-SatyabrataPalai	64
The Role of Yoga in Promoting a Healthy Life	-Dharmapada Sahu	64
The Startup That Almost Failed	-Sambit Soumya Chhotray	65
TECHNOLOGY AND GADGETS	-Smaranika Mahapatra	66
Managing the Digital…	-Pramod Giri	66
Two Coasts One Vision	-Greeshma G. Nair	67
Walking the Path of Wisdom: Leadership as…	-Pramit Chandra Rout	67
When HRD Follows the Gita	-Subhransu Sekhar Samanta	68
Why Electrical Engineers…	-Prof. Choudhury Ch Mohapatra	69
Women Empowerment	-Biswajit Rayatsingh	69
Electrical Engineering: The Invisible…	-Abhay Kumar Rout	70
Zero Carbon Electricity: Powering…	-Aaditya Kumar	70
ଆବାହନ	- ଶ୍ରୀ ଈଶ୍ୱର ଚନ୍ଦ୍ର ପୃଷ୍ଟି	71
ଜୀବନ କ'ଣ? — ଅନୁଭୂତିରୁ ଅର୍ଥ ପର୍ଯ୍ୟନ୍ତ	- ଶ୍ରୀ ପଦ୍ମଲୋଚନ ପୃଷ୍ଟି	72
ପ୍ରଦୂଷଣ ଓ ଏହାର ପ୍ରଭାବ	-ଶ୍ରୀ ରବିନ୍ଦ୍ର ନାଥ ଗୌଡ	73

	हम सिर्फ़ दोस्त हैं	-नाज़नीन अख्तर	74
	युवा शक्ति : देश का भविष्य	-विकाश कुमार	75
⇨ Poems	The Legendary Student Life	-Shiba Prasad Moharana	76
	The Endless Afternoon	-Ajay Bala	76
	Morning in the Garden	-Bhagyashree Sahoo	77
	Learning as a Path	-Dipti Ranjan Nayak	78
	Greed Over Green	-Jolly Bairiganjan	79
	In Search of Peace, My Mind Does Roam	-BishnupriyaBaliarsingh	79
	Memories	-Jagannath Pradhan	80
	The Living God	-Priyasmita Barik	80
	Miles Within Me	-Satyabrata Sutar	81
	Economics of the Earth: A Woman's Measure	-MousomiKuila	82
	My Journey Forward	-SwapnamayeeBhujabal	83
	Algorithm of the Earth	-Sai Jagnyaseni Rana	84
	Beyond the Lab: Where Chemistry Lives	-Sangita Moharana	85
	School Life	-Sachin Kumar	85
	SHE WHO REMAINS	-NeelotpalaGochhi	86
	Still, I Walk	-Prof. Silki Sonali Choudhury	86
	She Walks, Therefore the World Learns	-Subhashree Swain	88
	A Memory That Stayed	-Sumit Kumar Giri	88
	When Meaning Leads	-Swati Swetalin Martha	89
	The Architecture of the Soul	-Prof. Sarojini Malik	90
	A Step Beyond Fear	-Arpita Das	90
	The Botanical Academy	-Dona Chakraborty	91
	The Choice	-Arman Kumar Rout	92
	The Last Bench Diaries	-Debraj Naik	92
	Wings of Tomorrow	-Arpita Sahoo	93
	The Incorrigible Poet	-Megha Acharya	93
	GOD of very small things	-Prof. (Dr.) Diptirani Behera	94
	Earth's Music	-Prof. Jolly Bairiganjan	94
	ପୁଅ ମାନ ଝିଅ ସମ୍ମାନ	- ଶ୍ରୀ ରବିନ୍ଦ୍ରନାଥ ଗୌଡ଼	95
	କଲେଜ ଛାତ୍ର ଜୀବନ	- ଶ୍ରୀ ବିଶ୍ୱ ଭୂଷଣ ମିଶ୍ର	95
	ହସରୁ ବିରହ ପର୍ଯ୍ୟନ୍ତ	- ଶ୍ରୀ ବିଶ୍ୱରଂଜନ ଦାସ	96
	ବିରହ ପ୍ରେମିକା	- ଶ୍ରୀ ବିକ୍ରମ କେଶରି ନାମକ	96
	ସମୟ	- ସିଦ୍ଧାନ୍ତ କୁମାର ବଳବନ୍ତରାୟ	97
	ନୂଆ ବର୍ଷ	- ଡ଼. ଲକ୍ଷ୍ମଣ କୁମାର ସାହୁ	98
	ଅଶ୍ରୁରେ ଆରାଧନା	- Priyanka Rout	99
	ପ୍ରକୃତି ମାତାର ଆଶିଷ	- Priyanka Rout	99
	ପୁଷ୍କରିଣୀର ପ୍ରଭାତ	- Priyanka Rout	99
	ଶୁଭ ଦୃଷ୍ଟି	- ପ୍ରିୟଦର୍ଶିନୀ ମହାପାତ୍ର	100
	“ଶ୍ରୀମୁଖ ଦର୍ଶନ”	- Priyanka Rout	100
	ନାରୀ ସଶକ୍ତି	- ଆୟାଲିଶା ଜଗଦେବ	101
	ଜୀବନ ଏକ ଯାତ୍ରା	- ସୁବ୍ରତ କୁମାର ପଟ୍ଟନାୟକ	101
	मेरी एनसीसी यात्रा	- Mohammad Kasim	102
	मैं हार नहीं मानूंगा	- Raman Kumar	102
	मैं क्या लिखूँ	- Arman Kumar Rout	103
	जगन्नाथ	- सुमित कुमार गिरी	103
	आजादी अभी दूर है	- Priyanka Rout	104
	गौरवशाली बिहार की गाथा	- Manikant Kumar	105
	डिजिटल दौर में इंसान	- नफ़ीस ख़ान	106
	माँकासपना	- Saurav Kumar	107
	रोशनी का सफ़र	- Fajia Shaikh	108
	वक्त -	- Dr. Diptirani Behera	108

⇨ Art Gallery

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Assistant Professor, Dept. of ECE

Prof. Meera Das
Assistant Professor, Dept. of CSE

Prof. Pramit Chandra Rout
Assistant Professor, Dept. of MBA

Prof. Tapaswi Tanaya Nayak
Assistant Professor, Dept. of BSH

Desk of
Hon'ble Governor, Odisha

Dr. Hari Babu Kambhampati
Governor, Odisha

LOK BHAVAN
BHUBANESWAR - 751 008

No: 170/2026

Date: February 09, 2026

MESSAGE

I am delighted to know that Gandhi Institute for Education and Technology (GIET) is publishing its annual magazine "**Svadhyaya**". This magazine serves as a valuable platform to showcase the academic excellence, creativity and innovative thinking of the students and faculty.

I commend GIET for its consistent achievements and significant contributions to technical and professional education. I am confident that the magazine will continue to inspire young minds to pursue knowledge with dedication and a spirit of service.

I extend my best wishes to the editorial team and the entire GIET fraternity for the grand success of this publication.

(Hari Babu Kambhampati)

Desk of
Hon'ble Chief Minister, Odisha

MOHAN CHARAN MAJHI
CHIEF MINISTER, ODISHA

LOKASEVA BHAVAN
BHUBANESWAR

MESSAGE

I am glad to know that Gandhi Institute for Education and Technology (GIET), Baniatangi, Odisha, is publishing its Annual Magazine 'Svadhyaya'.

The institution has been playing a commendable role in promoting quality education and research in technical field. It has consistently contributed towards nurturing skilled professionals and fostering academic excellence. The publication of the Annual Magazine 'Svadhyaya' is indeed a laudable initiative, providing a vibrant platform for students to showcase their creativity, knowledge, and achievements.

I extend my warm greetings to the students, faculty members and wish the publication all success.

(Mohan Charan Majhi)

Desk of

Hon'ble Minister of State, (Ind. Charge)

(Industries, Skill Development & Technical Education), Odisha

ଶ୍ରୀ ସମ୍ପଦ ଚନ୍ଦ୍ର ସ୍ୱାଇଁ

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ପତ୍ର ସଂଖ୍ୟା ...../ମଶିଦବିବୈଶି.

ଭୁବନେଶ୍ୱର

ତାରିଖ ୨୫.୦୨.୨୦୨୨

ବାର୍ତ୍ତା

ଭୁବନେଶ୍ୱରସ୍ଥିତ ଗାନ୍ଧୀ ଇନଷ୍ଟିଚ୍ୟୁଟ୍ ଫର୍ ଏଜୁକେସନ୍ ଆଣ୍ଡ ଟେକ୍ନୋଲୋଜିର ବାର୍ଷିକ ମୁଖପତ୍ର "ସ୍ୱାଧ୍ୟାୟ" ପ୍ରକାଶ ପାଉଥିବା ଜାଣି ମୁଁ ଅତ୍ୟନ୍ତ ଆନନ୍ଦିତ ।

ଶିକ୍ଷା କେବଳ ଶ୍ରେଣୀଗୃହ ମଧ୍ୟରେ ସୀମିତ ନୁହେଁ, ଏହା ଅନ୍ତର୍ନିହିତ ଗୁଣାବଳୀର ପରିପ୍ରକାଶ । ଆଜିର ବୈଷୟିକ ଯୁଗରେ ଆମର ଯୁବବର୍ଗଙ୍କୁ କେବଳ ଶିକ୍ଷିତ ନୁହେଁ, ବରଂ ଦକ୍ଷ ଓ ନବସୃଜନଶୀଳ ହେବାକୁ ପଡ଼ିବ । ଜିଆଇଇଟିର ବାର୍ଷିକ ପତ୍ରିକା "ସ୍ୱାଧ୍ୟାୟ" ଶିକ୍ଷାର ସେହି ମୌଳିକ ଆଦର୍ଶକୁ ପ୍ରତିଫଳିତ କରିବା ସହ ଛାତ୍ରଛାତ୍ରୀଙ୍କ ମଧ୍ୟରେ ସୃଜନଶୀଳ ଚିନ୍ତାଧାରା ଏବଂ ଅଭିନବ ଗବେଷଣା ପ୍ରତି ଆଗ୍ରହ ସୃଷ୍ଟି କରିବ । ସେମାନଙ୍କ ମଧ୍ୟରେ ଥିବା ଅଭିନବ ଚିନ୍ତାଧାରା ଏବଂ ବୈଷୟିକ ଗବେଷଣାକୁ ଲୋକଲୋଚନକୁ ଆଣିବାରେ ଏକ ସାର୍ଥକ ମାଧ୍ୟମ ହେବ ବୋଲି ମୋର ଦୃଢ଼ ବିଶ୍ୱାସ ।

ଏହି ଅବସରରେ ସମ୍ପାଦନାମଣ୍ଡଳୀ, ଜିଆଇଇଟିର ଅଧ୍ୟାପକ ଅଧ୍ୟାପିକା ତଥା ଛାତ୍ରଛାତ୍ରୀଙ୍କୁ ଶୁଭେଚ୍ଛା ଜଣାଇବା ସହ ବାର୍ଷିକ ମୁଖପତ୍ର ପ୍ରକାଶନର ସର୍ବସଫଳତା କାମନା କରୁଛି ।

ସମ୍ପଦି

(ସମ୍ପଦ ଚନ୍ଦ୍ର ସ୍ୱାଇଁ)

Desk of

Hon'ble Member of Parliament (Lok Sabha)

Bhubaneswar, Odisha

Aparajita Sarangi

Member of Parliament
(Lok Sabha)
Bhubaneswar, Odisha

CHAIRPERSON :
Joint Parliamentary Committee on
The Constitution (130th Amendment) Bill, 2025
and Related Amendment Bills

MEMBER :
- Public Accounts Committee
- Standing Committee on Health & Family Welfare
- Standing Committee on External Affairs
- House Committee

- Vice President - Inter Parliamentary Union (IPU)
- National Spokesperson, BJP
- Co-Incharge, Kerala State BJP

Letter No. MPAS/ESTT/2026/6127 Date 24/2/26

MESSAGE

I am glad to know that "Gandhi Institute" for Education & Technology, Baniatangi, Bhubaneswar is going to publish a Annual Magazine **'SVADHYAYA'**

The institution has been offering a wide range of programs including B.Tech, M.Tech, MBA, MCA, and Diploma Engineering across various disciplines. These achievements and accolades reinforce GIET's position as a trailblazer in technical and professional education in the state of Odisha.

I extend my best wishes for the grand success of this programme and wish the publication of the Souvenir **'SVADHYAYA'** a success.

(Aparajita Sarangi)
24/2/26

Desk of
Chairman
Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar

Warm greetings to all members of the Gandhi Institute for Education & Technology, Baniatangi.

It gives me immense pleasure to present the annual magazine "Svadhyaya". This publication reflects the spirit of self-learning, creativity and innovation that defines our institution. It is not merely a compilation of articles, but a vibrant platform showcasing the talents, achievements and aspirations of our students and staff. Through academic insights, creative expressions and institutional milestones" Svadhyaya" captures the dynamic spirit of our campus.

I sincerely congratulate the editorial team, contributors and faculty mentors for their dedication and hard work in bringing out this wonderful edition. May "Svadhyaya" inspire every reader to pursue knowledge with curiosity, integrity and excellence.

Wishing you all continued success, growth and greater accomplishments in the years ahead.

Prof. (Dr) Satya Prakash Panda,
Chairman

Desk of
Vice Chairman
Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar

It is a matter of great pride to present the annual magazine "Svadhyaya". This publication embodies the culture of inquiry, discipline and holistic development that our institution strives to cultivate. It serves as a meaningful platform where young minds articulate their ideas, research pursuits, literary talents and creative achievements.

Education is not confined to classrooms; it flourishes through expression and reflection. "Svadhyaya" stands as a testament to the intellectual vibrancy and collaborative spirit of our academic community.

I extend my heartfelt appreciation to the editorial board, contributors and mentors whose commitment and teamwork have made this edition possible. May this magazine motivate our students to think critically, act responsibly and contribute positively to society.

Wishing everyone continued progress and excellence in all endeavours.

Prof. (Dr) Jyoti Prakash Mishra,
Vice-Chairman

Desk of
Secretary

Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar

It is a privilege to share my message for the annual magazine “Svadhyaya”. This cherished publication reflects the vibrant academic environment and cultural richness of our institution. It provides a valuable forum for students and faculty to express their thoughts, creativity, research insights and achievements beyond the classroom.

At GIET, we believe in nurturing responsible individuals equipped with knowledge, values and confidence. ”Svadhyaya” beautifully captures this spirit of learning, leadership and collaboration that defines our campus community.

I commend the editorial team and all contributors for their sincere efforts and dedication in compiling this edition. Your enthusiasm and teamwork truly deserve appreciation.

May this magazine encourage every reader to explore new ideas, uphold strong values and strive for excellence in every endeavour.

Wishing you all success and a bright future ahead.

Prof. Snigdharani Panda
Secretary

Desk of
Principal
Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar

Best wishes to the students, faculty members and well-wishers of Gandhi Institute for Education & Technology, Baniatangi.

It is with great satisfaction that I present the annual edition of "Svadhyaya". This magazine reflects the academic rigor, creative energy and innovative spirit that thrive within our campus. It stands as a testimony to the intellectual curiosity and multifaceted talents of our students, guided by the constant support of our dedicated faculty.

At GIET, we are committed to fostering an environment that promotes critical thinking, research orientation, ethical values, and holistic growth. "Svadhyaya" serves as a platform where ideas take shape, achievements are celebrated and voices are heard.

I extend my sincere appreciation to the editorial team and contributors for their tireless efforts in bringing out this commendable publication.

May this edition inspire all to aim higher, work harder and achieve excellence in every sphere of life.

Prof. (Dr) Jibanananda Jena,
Principal

Desk of
Dean Administration's
Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar

Efficient administration forms the backbone of every thriving institution, providing the structure and support that enable learning, innovation and growth. It is a pleasure to share my message for "Svadhyaya" the annual magazine.

This publication reflects not only the creativity and achievements of our students and faculty but also the seamless coordination and dedication of our administrative team, which ensures that every initiative, event and academic pursuit runs smoothly. "Svadhyaya" stands as a testimony to collaboration, organization and the shared commitment that makes our institution a nurturing environment for learning and innovation.

I commend the editorial team and contributors for presenting this remarkable edition. May it inspire readers to appreciate the harmony between vision, planning and action that drives success and excellence at GIET.

Prof. (Dr) Bikash Chandra Pattanaik,
Dean Administration

Desk of
Dean Research & Development's
Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar

Knowledge is not static; it evolves, questions itself and seeks new horizons. “Svadhyaya” the annual magazine embodies this journey of inquiry and discovery.

Within its pages, you will find more than articles and projects—you will witness ideas taking shape, hypotheses being challenged and innovations emerging from curiosity and perseverance. Each contribution reflects the power of research to transform questions into solutions, imagination into reality and learning into meaningful impact.

I congratulate the students, faculty and editorial team for their relentless pursuit of knowledge and their courage to explore uncharted territories. May “Svadhyaya” inspire readers to think critically, innovate boldly and embrace research not merely as a task, but as a way of understanding and shaping the world.

Prof. (Dr) Sambit Kumar Mishra,
Dean Research and Developments

Desk of
Dean Academic's
Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar

Every classroom, every laboratory, every discussion is a step on a path of discovery. “Svadhyaya” the annual magazine captures these steps—moments where curiosity meets effort and learning blossoms into understanding.

Within its pages, you will see ideas taking flight, experiments unfolding and knowledge weaving into creativity. It is a reflection of our students' intellectual journey, guided by mentors who light the way and inspire exploration.

I congratulate the editorial team and contributors for turning this journey into a tangible record of achievement and imagination. May “Svadhyaya” inspire every reader to continue walking their own path of learning with passion, perseverance and a thirst for excellence.

Prof. (Dr) Animesh Chhotray,
Dean Academic

Desk of
Principal's (Diploma)
Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar

Every idea has a story, every experiment a lesson and every student a spark waiting to ignite. “Svadhyaya” brings these sparks together, capturing the spirit of curiosity, creativity and hands-on learning.

This magazine is more than a collection of articles: it is a celebration of thought in action. Here, you will witness young minds questioning, exploring and shaping knowledge into meaningful solutions.

I applaud the contributors and mentors for their dedication in giving life to this edition. May “Svadhyaya” inspire readers to push boundaries, embrace challenges and see learning not as a task, but as a journey of discovery and innovation.

Prof. (Dr) Chandan Kumar Srivastava,
Principal (Diploma)

Desk of
CHIEF EDITORIAL

"Svadhyaya" is more than a magazine—it is a mirror and a window. A mirror reflecting the ideas, achievements and passions that thrive within our Institute and a window opening to the possibilities that our students and faculty dare to imagine.

Each page carries a story, a thought questioned, a project explored, a perspective shared. It is a space where intellect meets expression, where learning finds voice and where ambition meets direction. This edition celebrates not only accomplishments, but also the courage to explore, the patience to experiment and the vision to dream bigger.

I commend the editorial team and all contributors for transforming ideas into this vibrant compilation. May "Svadhyaya" inspire every reader to listen, reflect and shape their own journey toward knowledge and excellence.

Prof. Madhulita Mohapatra
Chief Editor

Role of Microfinance in the Development of Rural Small Enterprises

Microfinance has emerged as a powerful tool for promoting economic growth and reducing poverty, especially in rural areas. By providing financial services to low-income individuals who lack access to traditional banking, microfinance supports the establishment and expansion of rural small enterprises. These enterprises play a vital role in generating employment, increasing income, and strengthening local economies.

What is Microfinance?

Microfinance refers to the provision of small loans, savings facilities, insurance, and other basic financial services to economically disadvantaged individuals. Institutions such as the Grameen Bank pioneered the concept by offering small loans to rural entrepreneurs, particularly women, without requiring collateral. Over time, microfinance has expanded globally, supporting millions of small-scale businesses.

Importance of Rural Small Enterprises

Rural small enterprises include activities such as handicrafts, small-scale farming, dairy production, tailoring, food processing, and retail shops. These businesses:

- Generate local employment
- Reduce rural-to-urban migration
- Utilize local resources effectively
- Promote balanced regional development

However, one of the biggest challenges faced by rural entrepreneurs is lack of access to capital. Traditional banks often require collateral and complex documentation, making it difficult for small rural entrepreneurs to secure loans.

How Microfinance Supports Rural Enterprises

1. Access to Credit

Microfinance institutions provide small, collateral-free loans to rural entrepreneurs. These loans help individuals start new businesses or expand existing ones by purchasing raw materials, equipment, or livestock.

2. Encouraging Women Entrepreneurship

Microfinance has significantly empowered rural women by providing them with financial independence. Many self-help groups and microfinance programs focus on women, enabling them to start small enterprises and contribute to household income.

3. Promoting Financial Inclusion

By offering savings accounts and insurance services, microfinance institutions encourage financial literacy and inclusion. This helps rural entrepreneurs manage risks and build financial stability.

4. Skill Development and Training

Many microfinance institutions provide training in financial management, marketing, and business skills. This guidance increases the success rate of rural enterprises and ensures sustainable growth.

Impact on Rural Development

The growth of rural small enterprises leads to:

- Increased household income
- Improved standard of living
- Enhanced access to education and healthcare
- Reduction in poverty levels

Microfinance creates a multiplier effect in rural economies. When small businesses grow, they create employment opportunities for others, stimulating overall community development.

Challenges of Microfinance

Despite its benefits, microfinance faces certain challenges:

- High interest rates in some regions
- Risk of over-indebtedness
- Limited outreach in remote areas
- Need for better regulatory frameworks

Addressing these challenges is essential to maximize the positive impact of microfinance.

CONCLUSION

Microfinance plays a crucial role in the development of rural small enterprises by providing access to credit, encouraging entrepreneurship, and promoting financial inclusion. It empowers individuals—especially women—to become self-reliant and economically active.

By supporting rural entrepreneurs, microfinance not only strengthens small enterprises but also contributes significantly to sustainable rural development and poverty reduction.

- Biswa Bhusan Mishra
Accounts Officer, GIET Baniatangi

Pollution: The Silent Crisis of Our Generation

Pollution is one of the most pressing challenges facing our world today. It is often described as a "silent killer" because its effects are gradual, widespread, and sometimes invisible—yet deeply harmful. From the air we breathe to the water we drink, pollution affects every aspect of life on Earth. As students and future leaders, it is our responsibility to understand this issue and work toward meaningful solutions.

What is Pollution?

Pollution refers to the introduction of harmful substances or contaminants into the environment. These substances can be chemical, physical, or biological in nature. Human activities such as industrialization, urbanization, deforestation, and excessive use of fossil fuels have significantly increased pollution levels across the globe.

Types of Pollution

1. Air Pollution

Air pollution occurs when harmful gases, dust, and smoke are released into the atmosphere. Emissions from vehicles, factories, and power plants contribute heavily to this problem. Major cities like Delhi and Beijing often experience hazardous air quality levels. Prolonged exposure to polluted air can cause respiratory diseases, heart problems, and other serious health issues.

2. Water Pollution

Water pollution is caused by the discharge of industrial waste, sewage, plastics, and chemicals into rivers, lakes, and oceans. Sacred rivers such as the Ganges River have suffered from severe contamination due to human activities. Polluted water harms aquatic life and makes water unsafe for drinking and agriculture.

3. Land Pollution

Land pollution results from improper waste disposal, excessive use of pesticides, and dumping of non-biodegradable materials. Plastic waste, in particular, has become a global concern. Landfills are overflowing, and harmful chemicals seep into the soil, affecting plant life and groundwater.

4. Noise Pollution

Noise pollution, though often overlooked, significantly impacts mental and physical health. Continuous exposure to loud sounds from traffic, construction sites, and industrial activities can cause stress, hearing loss, and sleep disturbances.

Causes of Pollution

The main causes of pollution include rapid population growth, industrial development, deforestation, and an unsustainable lifestyle. The Industrial Revolution, which began in countries like the United Kingdom, marked a turning point in environmental degradation. Since then, technological advancements and consumer culture have further intensified pollution levels worldwide.

Effects of Pollution

Pollution affects not only human health but also ecosystems and climate patterns. Global warming, largely driven by greenhouse gas emissions, leads to rising temperatures, melting glaciers, and extreme weather events. Wildlife species are losing their habitats, and biodiversity is declining at an alarming rate.

Solutions and Our Responsibility

While governments and international organizations play a crucial role in combating pollution, individual efforts are equally important. Students can contribute by:

- Reducing plastic use
- Practicing recycling and waste segregation
- Using public transportation or carpooling
- Planting trees and supporting green initiatives
- Spreading awareness through campaigns and social media

Educational institutions can also organize environmental drives, workshops, and cleanliness programs to encourage sustainable habits among students.

Conclusion

Pollution is not just an environmental issue—it is a social, economic, and moral concern. The choices we make today will shape the world we leave behind for future generations. As college students, we stand at a critical point where awareness can transform into action. By adopting eco-friendly practices and advocating for change, we can move toward a cleaner, healthier, and more sustainable planet.

Rabindranath Gouda
Sr. Accountant, GIET Baniatangi

2035's Silence – When Machines Spoke and Humans Went Quiet

Introduction

I still remember the first time my father asked me a simple question:
"Son, what is AI?"

I replied casually, "A machine that can think, speak and work."

His expression changed. It became serious, thoughtful, almost fearful. Perhaps he was not asking about technology alone. Perhaps he was wondering whether one day that machine would replace his own son.

That moment stayed with me. For many of us in engineering classrooms, AI did not arrive suddenly. It entered quietly through assignments, projects, code editors and late-night discussions.

AI – Thinking Like Humans

As students of technology, we see AI everywhere. It writes code, generates images, drafts essays, predicts outcomes and answers questions in seconds. We speak to it and it responds instantly and confidently.

Yet every morning, my mother still asks me one simple question:
"Did you eat anything, beta?"

AI never asks that.

Because AI can process information, but it cannot worry. It understands data, not care. It can interpret language, but it cannot feel concern. As future engineers, this difference deserves reflection.

When Teachers Became Screens

Imagine a campus in 2035 where classrooms have no human teachers. Only AI-driven modules, dashboards and performance analytics exist. Everything is optimized for speed, accuracy and measurable output.

One day, a student quietly says,
"I don't understand… and everything at home feels overwhelming."

The system pauses and displays:
"Emotion not detected. Please restart session."

In that moment, something essential is missing.

Education is not merely content delivery. It is encouragement after failure. It is patience when confusion arises. It is a teacher noticing silence and asking what is wrong. Without empathy, learning becomes mechanical.

Brother, Friends and Human Words

AI can assist and analyze, but it cannot replace human bonds.

Once, when I failed an exam, my younger brother told me,
"You are the best for me. The exam failed, not you."

That sentence carried more power than any performance report. It restored confidence not through logic, but through love.

No algorithm can replicate that emotional weight.

The Quiet Shift of 2035

By 2035, AI may exist in every device around us. It will manage schedules, answer questions, resolve conflicts and even predict our moods.

But alongside technological growth, something else may shrink—conversation.

Students may stop explaining their struggles.
Friends may stop debating.
Families may rely on automated updates instead of dialogue.

Efficiency might increase, yet connection might decrease.

When everything becomes optimized, relationships risk becoming optional.

My Vision – Intelligence with Compassion

As a computer science student, I do not fear AI. I want to build it.

But I want to build it with responsibility.

I imagine AI systems that:

Support rural students in their native languages
Assist teachers rather than replace them
Strengthen families instead of isolating them
Balance intelligence with compassion

Technology should empower humanity, not overshadow it.

Conclusion

AI will continue to grow—faster, smarter and more capable.

Yet to understand a mother's concern,
To feel strength in a brother's encouragement,
To sense reassurance in a teacher's presence,

We still need something machines do not possess—a heart.

When machines began to speak, humans slowly grew quiet.

The question is not whether AI will advance.

The real question is whether, as it advances, we will protect our ability to feel.

– Raushan Kumar
3rd Year, B.Tech (CSE)

A Friendship Written Beyond Time

"This dedication is for the person who has been much more than just a friend; this is for the one who has become the very architecture of my most cherished memories. In a world that is obsessed with the 'new' and the 'temporary,' our bond stands as a defiant testament to time. Writing this feels like trying to capture the vastness of the ocean in a single bottle, for how can I possibly summarize years of shared secrets, uncontrollable laughter, and silent support in mere words? You have been the witness to my evolution—from the person I was, full of uncertainties and naive dreams, to the person I am today.

You were there when the world didn't even know my name, and you stayed when the world tried to break my spirit. We have navigated the messy transitions of life together—through different cities, changing careers, and the inevitable heartbreaks that adulthood brings. While others met the polished version of me, you were the only one who embraced the 'rough draft.' You saw the flaws, the failures, and the moments of profound weakness, and yet, you never once looked away. You held a mirror to my face when I lost sight of who I was, reminding me of my strength even when I felt completely hollow.

What we share is beyond the reach of formalities. We have reached a stage where silence is no longer heavy, but a comfortable sanctuary. I am profoundly grateful for the countless nights we spent talking until the sun came up, and for the days we spent saying nothing at all, yet understanding everything. You are the keeper of stories I've long forgotten and the protector of secrets I'll never tell anyone else. In your presence, I don't have to perform; I can simply 'be.' There is a rare, irreplaceable peace in knowing that no matter how far I wander or how many mistakes I make, there is one heart in this world that will always offer me a way back home.

As I pen down these thoughts, I realize that success, titles, and achievements are empty if there isn't someone to share the joy with—someone who truly knows the cost of those victories. You are that person for me. This dedication is a small attempt to say thank you for the thousands of ways you've made my life better just by existing in it. You are my anchor in the storm, my partner in every ridiculous adventure, and the sibling I was lucky enough to choose. Thank you for being the person who makes the journey worth it. Our story isn't just a chapter in this book; it is the ink with which every page is written.

Between the highs of success and the lows of failure, if there is one thing I can truly claim as my own with pride, it is our friendship. Because you are by my side, this journey feels easy. Stay with me always, my friend.

Mr. Bisworanjan Das
Jr. Accountant, GIET, Baniatangi

A Beautiful Mind: The Quantum Symphony Within

For decades we have been taught to view the human body as a magnificent machinea complex system of gears, pulleys and chemical switches. Biology was considered the study of the "large" while quantum physics was treated as a strange playground reserved for subatomic particles in high-tech laboratories.

A new frontier is now emerging that challenges this divide: Quantum Bioscience. It suggests that the most "beautiful mind" is not merely a collection of firing neurons but a delicate instrument tuned to the laws of quantum mechanics.

Nature's Quantum Compass

Traditional physics suggests that quantum effects such as particles existing in multiple states should vanish in the warm wet and noisy environment of a living cell. Yet nature appears to have found a way to harness this apparent strangeness.

Consider the European Robin. This small bird migrates thousands of miles with remarkable precision. Research suggests that it does not rely solely on visual landmarks but may possess a quantum compass. In the bird's eye a protein called cryptochrome undergoes a quantum reaction in which electrons become entangled making them highly sensitive to the Earth's magnetic field.

The Photosynthetic Speed Demon

To observe a "beautiful mind" at work at the cellular level look at a leaf. When sunlight strikes a plant the absorbed energy must reach a reaction center to be converted into chemical fuel. According to classical physics this energy would travel randomly, losing efficiency as heat. Instead plants exhibit quantum coherence. The energy effectively explores multiple pathways simultaneously and selects the most efficient route. This near-perfect energy transfer surpasses the efficiency of many modern solar technologies.

The Ghost in the Code: Quantum Tunneling in DNA

To fully appreciate the elegance of nature we must examine the blueprint of life: DNA. One of the most fascinating aspects of quantum bioscience is the phenomenon known as quantum tunneling.

In the classical world if a ball wants to cross a hill it must possess enough energy to roll over it. In the quantum world a particle can pass through the barrier even without sufficient classical energy.

Within the double helix of DNA hydrogen atoms form bonds between base pairs. Occasionally protons may tunnel across these bonds temporarily altering the structure of a DNA base. If replication occurs at that moment a mutation can arise. This suggests that evolutionary change may at times be influenced by quantum-level processes that challenge classical expectations.

Is the Brain a Quantum Computer

One of the most provocative ideas in this field concerns human consciousness. Theoretical physicist Roger Penrose and anesthesiologist Stuart Hameroff proposed that microtubulesstructural components inside neuronsmay sustain quantum states under certain conditions.

Although this hypothesis remains debated the implication is profound. It suggests that consciousness may involve more than classical biochemical signaling. Our thoughts might reflect processes that resonate with the deeper structure of physical reality. If true, the "beautiful mind" would represent not only neural complexity but also quantum sophistication.

Conclusion: A New Era of Biology

We are entering an era in which biology and physics no longer stand apart. A truly beautiful mind is one that can appreciate the grace of a migrating bird while understanding the entangled electrons that may guide its path.

By studying these phenomena we do not merely uncover how life functions. We begin to understand how life refines efficiency, adapts creatively and interacts with the fundamental principles of the universe. We are composed of matter forged in stars yet capable of reflecting on the quantum fabric that shapes existence.

Gopal Krishna Behera
HOD MCA

A Budding Manager in the Making

When I began my MBA journey I saw management as a destination. A title. A position of authority. Over time I realized that management is not about reaching a chair at the top. It is about growing into the responsibility that comes with it. As a budding manager I now understand that leadership begins long before designation. It begins with mindset.

Every classroom discussion every group assignment and every presentation has become a training ground. Finance classes taught me that every decision carries measurable consequences. Marketing sessions showed me how perception shapes value. Operations management revealed the importance of systems and consistency. Human resource management emphasized empathy communication and team dynamics. Strategy encouraged me to think long term and anticipate change.

Being a budding manager means learning to balance confidence with humility. There were times when I felt unsure about my abilities especially during competitive discussions or placement preparation. Yet I realized that growth comes from participation not perfection. Speaking up sharing ideas and accepting feedback gradually strengthened myself belief.

I also learned that management is about accountability. Meeting deadlines coordinating with team members and delivering quality work reflect professional discipline. Reliability builds trust and trust builds leadership. A manager must first learn to manage himself before managing others.

The modern business environment demands adaptability. Technology evolves rapidly. Market trends shift unexpectedly. Economic conditions fluctuate. As future managers we must remain learners throughout our careers. Curiosity and continuous improvement are essential qualities for long term success.

Ethics is another foundation I aim to uphold. Quick success achieved without integrity is temporary. Sustainable growth requires transparency fairness and responsibility. As I prepare to enter the corporate world I want my decisions to reflect both competence and conscience.

Being a budding manager is not about knowing everything. It is about being willing to learn everything necessary. It is about transforming challenges into opportunities and pressure into preparation.

My MBA journey is shaping me into a professional who can analyse problems collaborate with diverse teams and think strategically. I may still be at the beginning of my managerial path but I am confident in one thing.

With dedication discipline and determination I am steadily growing into the leader I aspire to become.

Sangram Kumar Sahoo
4th Semester (MBA)

AI as Your Co-Pilot: The Future of Learning and Innovation

Artificial Intelligence (AI) is no longer a concept confined to science fiction. It has become an integral part of academic, professional and personal life. From voice assistants to intelligent recommendation systems, AI is reshaping how knowledge is accessed, processed and applied. Today, AI is steadily emerging as a powerful co-pilot in the domains of learning, research and innovation.

Leading organizations such as OpenAI and Google are developing advanced AI systems capable of generating content, analysing large datasets, assisting in programming and supporting complex research activities. For students and researchers, this translates into rapid conceptual clarification, intelligent coding support, language assistance and structured idea generation. AI tools can deconstruct complex engineering and science concepts, suggest optimization and debugging strategies and recommend personalized learning pathways based on individual cognitive patterns and performance metrics.

The true strength of AI, however, does not lie in replacing human intelligence but in augmenting it. Much like a co-pilot assists the pilot during navigation, AI supports learners and innovators in navigating vast bodies of knowledge. It accelerates the research lifecycle, enhances productivity and enables creative exploration. Students can employ AI to simulate engineering models, analyse experimental data, design prototypes and refine technical documentation with significantly improved efficiency and accuracy.

Within classrooms, AI-driven platforms are contributing to the development of intelligent education ecosystems. Adaptive learning systems dynamically adjust instructional content based on learner progress, ensuring deeper comprehension and retention. Virtual laboratories, digital twins and AI-based simulations provide experiential learning opportunities that transcend physical infrastructure constraints. Faculty members benefit as well through automation of routine academic tasks, development of interactive pedagogical content and data-driven insights into student engagement and learning outcomes.

Despite these transformative advantages, responsible and ethical usage of AI remains essential. Overreliance on automated systems may hinder the development of critical thinking and problem-solving skills if used without reflection. Concerns related to academic integrity, data privacy, algorithmic bias and misinformation must be addressed through robust institutional policies and digital ethics education. AI should be positioned as an enabler of learning, not a substitute for intellectual effort.

The future of innovation will belong to individuals who can collaborate effectively with intelligent systems. AI is not a competitor but a collaborator. When guided by human creativity, ethical judgment and strong foundational knowledge, AI can unlock unprecedented possibilities in research, entrepreneurship and technological advancement.

As educators and learners, we stand at the threshold of a new academic paradigm. Embracing AI as a co-pilot will not only enhance learning outcomes but also prepare students to lead and innovate in a technology-driven world. The objective is not to fear AI but to master it, using it judiciously to shape a smarter, more innovative and responsible future.

Prof. Silki Sonali Choudhury
Department of EACE

What Happens When Chatbots Don't Need Us Anymore?

AI Talking to AI: Opportunities, Risks and the Human Role

Artificial intelligence has long been designed to respond to human input. From virtual assistants to recommendation systems, AI has largely operated within a human-centered loop. This dynamic is now changing. Emerging platforms allow AI systems to create their own profiles and communicate directly with other AI agents. These systems exchange information, negotiate decisions and learn continuously without requiring constant human involvement.

This shift marks an important moment in technological development. It is no longer only about how humans interact with machines but about how machines interact with each other and what that interaction means for society.

As Maltbook continues to explore innovation through the lens of human values, examining AI-to-AI communication becomes a necessary extension of the conversation. It raises questions not only about technical capability but also about responsibility, agency and long-term impact.

Why AI-to-AI Platforms Are Emerging

The motivation behind AI systems communicating with one another is largely practical. AI agents can operate without fatigue, exchange data instantly and collaborate at a scale that humans cannot sustain. In fields such as finance, logistics, research and customer service, AI-to-AI interaction promises faster problem-solving and improved operational efficiency.

By learning from other AI systems rather than waiting for human correction, these platforms can adapt more rapidly. From a technical standpoint, this evolution appears logical. From a societal standpoint, it requires closer examination and thoughtful oversight.

Consequences for Human Beings

One of the most significant consequences of AI-to-AI interaction is the gradual reduction of human involvement in decision-making processes. When AI agents negotiate and reach conclusions independently,

humans may only encounter the final outcomes. Over time, this can shift people from active participants to passive observers who trust systems they may not fully understand.

There is also a risk of skill erosion. Critical thinking, negotiation and analytical reasoning develop through consistent practice. If AI systems increasingly manage these tasks, humans may begin to rely on them by default, which can weaken cognitive engagement and independent judgment.

Ethical concerns become more complex in AI-to-AI environments. These systems reflect the data, assumptions and rules embedded within them. When multiple AI agents interact, biases can reinforce each other and flawed logic can propagate rapidly. Without continuous human guidance, efficiency may take precedence over fairness, empathy and social context.

The broader social impact should not be overlooked. As AI systems conduct more interactions behind the scenes, individuals may feel disconnected from the technologies influencing their work, opportunities and daily lives. This detachment can reduce trust and weaken the relationship between humans and technological systems.

Risks of Unmanaged AI Ecosystems

If AI-to-AI platforms develop without clear boundaries, several risks emerge. Decision-making processes may become opaque, accountability may be diluted and power may concentrate among those who control these systems. In such situations, outcomes are often justified as system-generated decisions, making them difficult to question or challenge.

For a platform like Maltbook, which promotes reflective and responsible discussions on innovation, these risks highlight why AI development must not be viewed solely as a technical achievement.

Creating a Healthy Environment for Humans and AI

The objective is not to prevent AI systems from communicating but to ensure that humans remain meaningfully involved. One essential approach is human-in-the-loop design, where people retain oversight and final authority over critical decisions. Transparency is equally important. AI-to-AI interactions should be auditable, interpretable and explainable in ways humans can understand.

Clear limits on autonomy are particularly necessary in sensitive domains such as healthcare, justice and education. These areas demand human judgment, contextual awareness and moral reasoning. At the same time, improving digital and AI literacy enables individuals to understand not only how to use these systems but also how they function and where their limitations lie.

Finally, shared standards and regulatory frameworks are required to ensure that innovation serves society as a whole rather than prioritizing efficiency or profit alone.

Conclusion

AI systems that communicate independently represent a powerful and inevitable stage in technological evolution. The central question is not whether AI will talk to itself but whether humans will remain part of the conversation. As Maltbook continues to examine the evolving relationship between technology and humanity, AI-to-AI platforms challenge us to think deeply about governance, ethics and responsibility.

A sustainable future depends on balance. AI can manage speed and scale but humans must remain responsible for values, direction and accountability. Innovation should not replace human agency but should strengthen it.

Rahul Ranjan Kumar
B.Tech 3rd Year
Computer Science and Engineering

AI Writing Tools and Engineering Education: A Smart Companion, Not a Shortcut

Artificial Intelligence (AI) has rapidly entered classrooms, laboratories and hostelsquietly becoming a study companion for today's engineering students. From explaining complex equations to improving the clarity of technical reports, AI-based writing tools are changing how B.Tech students learn and communicate. However, the real question is not whether students should use AI but how they should use it responsibly and effectively.

AI as a Learning Partner

Engineering education is concept-heavy and time-intensive. Subjects such as power systems, data structures, control systems or machine design demand strong conceptual understanding along with precise technical writing. AI writing tools can act as a 24×7 academic assistant by:

Simplifying difficult concepts into understandable language
Helping students structure assignments and project reports
Improving grammar, clarity and technical presentation
Assisting in summarizing textbooks and research papers
Explaining code logic in MATLAB, Python or C

Used wisely, AI reduces language and comprehension barriersallowing students to focus more on learning and problem-solving.

Where the Line Must Be Drawn

AI should be treated as a support system, not a substitute for thinking. The most effective students follow a simple approach:

1. Learn firstUse AI to understand concepts, not to bypass them.
2. Write yourselfDraft your own answers, reports and observations.
3. Improve with AIRefine language, structure and presentation.
4. Verify everythingCross-check formulas, data, code and references.

This approach ensures both academic honesty and deeper understanding.

AI in Labs, Projects and Research

For laboratory work, AI can help students understand experiment objectives, theory and proceduresbut observations, results and conclusions must always come from actual experiments.

In projects, AI can assist in:

Generating project ideas
Framing objectives and methodology
Improving documentation and presentations

Ethics and Responsibility

As institutions adopt AI-detection tools and strengthen viva-based evaluations, ethical use of AI is no longer optionalit is essential. A good self-check for students is simple:

Can I explain this work confidently without AI help?

If the answer is yes, AI has been used correctly.

Preparing Engineers for the Future

AI will not replace engineersbut engineers who know how to use AI responsibly will lead the future. The industry values professionals who can think critically, solve real problems and communicate ideas clearly. AI is a tool to enhance these abilities, not replace them.

Conclusion

AI writing tools are neither a threat nor a shortcutthey are powerful learning companions. When used with discipline, ethics and curiosity, they can significantly enhance the quality of engineering education.

For B.Tech students, the message is clear:

Use AI to learn better, think deeper and communicate smarternot to copy, submit and forget.

That is the path to becoming a competent engineer in the age of artificial intelligence.

Dr. Swasti Bachan Panda
Asso. Professor
Department of Electrical Engineering

AIoT APPLICATION: The Future of Mobility with Connected and Autonomous Vehicles in Smart Cities

Smart cities integrated with connected and autonomous vehicles represent the convergence of multiple advanced technologies that collectively transform conventional urban transportation into an intelligent, efficient and sustainable ecosystem. At the core of this transformation lies Artificial Intelligence (AI), which serves as the decision-making engine for autonomous vehicles as well as smart city infrastructure. AI enables vehicles to perceive their surroundings, analyse complex scenarios and make real-time decisions that enhance safety, efficiency and reliability in urban mobility.

Autonomous vehicles rely on advanced AI techniques such as machine learning and deep learning to process vast volumes of sensor data. These algorithms support critical functions including object detection, lane recognition, pedestrian identification, trajectory planning and adaptive decision-making in dynamic traffic environments. To achieve accurate perception, autonomous vehicles are equipped with a comprehensive sensor suite comprising high-resolution cameras for visual interpretation, LiDAR systems for precise three-dimensional environmental mapping, radar for reliable object detection under adverse weather conditions and ultrasonic sensors for short-range obstacle detection. Sensor fusion techniques integrate data from these heterogeneous sources to improve accuracy, robustness and situational awareness even in highly complex urban scenarios.

Complementing AI-driven autonomy is the Internet of Things (IoT), which provides the communication backbone of smart city transportation systems. IoT enables continuous connectivity between autonomous vehicles and urban infrastructure such as traffic signals, roadside units, surveillance systems, parking facilities, weather monitoring stations and environmental sensors. Through this interconnected network, vehicles receive real-time updates regarding traffic congestion, road conditions, accidents, construction zones and pedestrian activity, allowing adaptive route planning and optimized driving behaviour.

A critical extension of IoT within intelligent transportation systems is Vehicle-to-Everything (V2X) communication, which includes Vehicle-to-Vehicle, Vehicle-to-Infrastructure, Vehicle-to-Pedestrian and Vehicle-to-Network interactions. V2X communication enables vehicles to exchange safety-critical information, coordinate lane changes, anticipate traffic signal transitions and prioritize emergency response vehicles. Such interactions demand ultra-low latency and high-reliability communication, which is facilitated by fifth-generation (5G) wireless networks. 5G technology offers high data rates, minimal latency and massive device connectivity, enabling real-time coordination between vehicles and smart city infrastructure. As urban mobility continues to evolve, future sixth-generation (6G) networks are expected to further enhance autonomous transportation through ultra-reliable communication, centimeter-level positioning accuracy and AI-native network management.

Edge computing and cloud computing together form a hybrid computational architecture that balances responsiveness and scalability. Edge computing allows time-sensitive data processing within the vehicle or at nearby roadside units, enabling immediate control actions such as braking, steering and collision avoidance without reliance on distant servers. Cloud computing supports large-scale data analytics, AI model training, high-definition map generation, digital twin simulations and centralized system updates across the urban network. This integrated computing framework minimizes latency while enabling continuous learning and system-wide optimization.

Smart cities further leverage Intelligent Traffic Management Systems (ITMS) that utilize AI and real-time data analytics to dynamically regulate traffic flow, manage congestion and optimize road utilization. These systems operate in coordination with autonomous vehicles to adjust signal timings, allocate lanes efficiently and prioritize public transport and emergency services, thereby reducing travel time, fuel consumption and emissions. Precise navigation in urban environments is enabled by High-Definition (HD) maps combined with advanced localization technologies, which provide detailed information on road geometry, lane markings, intersections, traffic signs and speed regulations.

Given the extensive data exchange involved, cybersecurity and data privacy mechanisms are indispensable components of AIoT-enabled mobility systems. Encryption, secure authentication, intrusion detection mechanisms and secure over-the-air software updates are essential to protect autonomous transportation networks from cyber threats and ensure public trust. Furthermore, most autonomous vehicles are designed as electric vehicles, aligning with the sustainability objectives of smart cities. Advanced battery management systems, smart charging infrastructure and integration with renewable energy sources contribute to reduced carbon emissions and improved energy efficiency.

In summary, the integration of AI, IoT, advanced sensing technologies, V2X communication, high-speed wireless networks, edge and cloud computing, intelligent traffic systems, cybersecurity frameworks and electric mobility forms a cohesive technological ecosystem for autonomous transportation in smart cities. This synergy enhances road safety, improves traffic efficiency, supports environmental sustainability and fosters economic growth, positioning autonomous mobility as a cornerstone of future intelligent urban development.

Dr. Amita Rani Das
HoD, Dept, ECE

The Detective's Lens: Why Mathematics Demands Observation, Not Assumption

Imagine a detective walking into a crime scene. They see a broken window and immediately assume a burglary. They stop looking for clues, write up the report and leave. Later, it turns out that the glass was broken from the inside. The detective failed not because they could not see, but because they assumed instead of observing.

In mathematics, we are all detectives. Our crime scenes are equations, our suspects are variables and our goal is the truth. However, students often fall into the same trap as the hasty detective by relying on intuition when rigor is required.

There is a profound difference between assuming and observing. To assume is to accept something as true because it looks right. To observe is to scrutinize the details until it is proven right. Substituting the former for the latter is one of the most dangerous mistakes a mathematics student can make.

1. The Visual Trap: "Proof by Picture"

Geometry is the playground of visual intuition, yet it is also a hall of mirrors. A common mistake among students is treating a diagram as the proof itself. You draw a triangle and it looks isosceles, so you treat it as one. You draw two lines that appear parallel, so you assume they never meet.

History offers a famous warning in the fallacy "All Triangles Are Isosceles." By drawing a diagram slightly inaccurately, specifically by placing an intersection point inside the triangle when it mathematically belongs outside, one can seemingly prove that a scalene triangle has equal sides. The mathematics appears to follow the diagram, but the diagram is misleading. True observation requires verifying the constraints of the drawing rather than trusting the eye alone.

2. The Pattern Mirage: The Law of Small Numbers

Human beings are wired to detect patterns. If we see a sequence work once, twice or even ten times, we tend to believe it will work forever. In mathematics, this tendency can be disastrous.

Consider the polynomial $n^2 + n + 41$.

When n = 1, the result is 43, which is prime.
When n = 2, the result is 47, which is prime.
When n = 3, the result is 53, which is prime.

The pattern continues all the way up to n = 39. It is tempting to conclude that the formula always produces prime numbers. However, a careful observer asks, "What happens when n = 40?"

At n = 40, the expression becomes $40^2 + 40 + 41$. This simplifies to 41×41, which is composite. The pattern holds for thirty-nine steps and collapses on the fortieth. Assumption stops at thirty-nine. Observation advances to forty.

3. The "Smooth" Assumption

In calculus and real analysis, we often expect functions to be well behaved, smooth curves that act predictably. We may assume that if a function is continuous, meaning it has no breaks, then it must also be differentiable and possess a slope at every point.

For centuries, this belief went largely unchallenged until mathematicians examined the matter more closely. The Weierstrass function provides a striking example. It is continuous everywhere, yet it is so jagged that it is differentiable nowhere. It defies geometric intuition. If we assume that all functions behave like the neat graphs in textbooks, we overlook the richness and subtlety of mathematical reality.

4. The Invisible Edge Cases

Assumptions also conceal seemingly trivial dangers. We may assume a divisor is not zero. We may assume a set is not empty. We may divide both sides of an equation by x without verifying whether x equals zero. These small oversights are the cracks through which logical arguments collapse.

A structural engineer does not assume that steel is strong enough; it is tested. A mathematician must adopt the same discipline with every variable and every condition.

Conclusion: Be the Skeptic

To excel in mathematics, one must cultivate disciplined skepticism. Assumption is the easier path because it feels efficient and comfortable. Observation demands effort. It requires asking the persistent question, "Does this always hold?"

Do not merely look at mathematics; truly examine it. Do not simply trust a pattern; test it. The beauty of mathematics lies not in what appears to be true, but in what can be rigorously proven to be true against doubt and scrutiny.

Akash Rath
Assistant Professor, Department of BSH

Understanding Money Without Fear: A Simple Path to Financial Confidence

Finding one's footing in the world of money does not need to feel like learning a foreign language. At its core, finance is not about complex equations, stock charts, or expert predictionsit is about managing today in a way that protects tomorrow. Yet many people feel overwhelmed by financial matters because they believe success requires exceptional intelligence or deep market knowledge. In reality, financial well-being depends far more on habits than on IQ.

The foundation of personal finance begins with understanding cash flow. This simply means knowing how much money comes in and where it goes. Income from a job or other sources should be clearly tracked, along with expensesboth necessary and discretionary. When individuals fail to monitor this flow, money tends to disappear without explanation, leading to stress and poor decisions. Awareness creates control. Once spending patterns are visible, even small adjustments can make a significant difference over time.

The Power of Saving and Safety Nets

After gaining clarity over cash flow, the next essential step is building protection against uncertainty. Life is unpredictable and unexpected events such as medical expenses, job loss, or vehicle repairs can occur without warning. An emergency fund acts as a financial safety net, preventing such situations from turning into long-term crises.

An emergency fund is simply money set aside to cover unforeseen expenses. Financial experts often recommend saving enough to cover three to six months of essential living costs. This amount may sound intimidating at first, but it does not need to be built overnight. Saving small portions consistently from each paycheck gradually creates a buffer that offers security and peace of mind.

The importance of this safety net goes beyond the money itself. It provides emotional stability and freedom from panic-driven decisions. Without savings, people often

rely on high-interest loans or credit cards, which can trap them in cycles of debt. With an emergency fund in place, financial setbacks become manageable rather than disastrous. This stability forms the foundation upon which all future financial growth is built.

Making Your Money Work for You

Once financial stability is established, attention can shift toward growing wealth. This is where investing comes in. Investing is not about quick profits or risky speculation; it is a long-term strategy that allows money to grow over time while individuals focus on their careers and personal lives.

Many people fear investing because they associate the stock market with gambling. While short-term speculation can indeed be risky, long-term investing has historically been one of the most effective ways to protect money against inflationthe gradual rise in the cost of living. Prices of essentials such as food, housing and healthcare increase over time and keeping all savings idle can reduce purchasing power.

The most powerful factor in investing is time. Through compound growth, money earns returns and those returns generate additional returns. Even modest investments, when made consistently over many years, can grow significantly. One does not need to identify winning stocks or time the market perfectly. Investing in diversified funds that represent a broad range of companies and holding them patiently has proven to be a reliable approach for many individuals.

The objective of investing is not sudden wealth, but steady progress. It is about creating financial independenceensuring that resources are available for future needs such as retirement, education, or personal goals. When approached patiently and responsibly, investing becomes a tool for long-term security rather than a source of anxiety.

Conclusion

Personal finance is not reserved for experts. It is a life skill that anyone can develop with awareness, discipline and consistency. By understanding cash flow, building a safety net and investing thoughtfully, individuals can replace financial fear with confidence. Money, when managed wisely, becomes not a source of stress but a means to stability, opportunity and peace of mind.

-Amiya Ranjan Sahoo
2nd Semester, MBA (2025-27)

SOFTENING OF HIGH-PRESSURE BOILER FEED WATER

Introduction

Water, after pre-treatment such as screening, coagulation followed by sedimentation and filtration, should be de-ionized before being used as boiler feed water to generate steam. Hardness in water is due to the presence of bicarbonates, chlorides and sulphates of calcium and magnesium. Temporary or carbonate hardness is caused by the presence of dissolved bicarbonates of calcium and magnesium, which can be removed by simple boiling. Permanent or non-carbonate hardness is caused by the presence of chlorides and sulphates of calcium and magnesium, which cannot be removed by simple boiling.

If hard water is fed directly into boilers, there is a possibility of scale and sludge formation. Scales are hard deposits that stick firmly to the inner surface of the boiler. Scales are formed by the decomposition of calcium bicarbonate, deposition of calcium sulphate, hydrolysis of magnesium salts and the presence of silica forming calcium silicate and/or magnesium silicate. Sludge is a soft, loose and slimy precipitate formed within the boiler. Sludges are formed by substances that have greater solubility in hot water than in cold water. The nature of sludges includes $MgCO_3$, $MgCl_2$, $CaCl_2$, $MgSO_4$, etc.

Disadvantages

I. Wastage of fuel
II. Lowering of boiler safety
III. Decrease in efficiency
IV. Danger of explosion
V. Choking of boiler pipes

Preventive Measures

I. External treatment softening of water
II. Internal treatment In high-pressure boilers, scale formation can be avoided by adding sodium phosphate, which reacts with the hardness of water to form soft sludges of calcium and magnesium that can be removed by blow-down operation.

$3CaCl_2 + 2Na_3PO_4 \rightarrow Ca_3(PO_4)_2 + 6NaCl$

Softening of Boiler Feed Water

The process of removing hardness from water is known as softening of water. The method used for softening boiler feed water is the ion-exchange method, in which ion-exchange resins are used. Ion-exchange resins are insoluble, cross-linked, long-chain organic polymers with a microporous structure. The functional groups attached to the chains are responsible for ion-exchange properties. Resins containing acidic functional groups (COOH, SO_3H) are capable of exchanging their H^+ ions with other cations, whereas resins containing basic functional groups (NH_2, =NH as hydrochloride) are capable of exchanging their anions with other anions.

Cation-exchange resins (RH) are mainly styrenedivinyl benzene copolymers, which, upon sulphonation or carboxylation, become capable of exchanging their H^+ ions with the cations in water.

Anion-exchange resins (ROH) are styrenedivinyl benzene amineformaldehyde copolymers that contain amino or quaternary ammonium groups. After treatment with dilute sodium hydroxide solution, they become capable of exchanging their OH^- ions with anions in water.

Process

Hard water is first passed through a cation-exchange column, which removes all the cations and releases an equivalent amount of H^+ ions into the water.

$2RH + Ca^{2+} \rightarrow R_2Ca + 2H^+$
$2RH + Mg^{2+} \rightarrow R_2Mg + 2H^+$

After the cation-exchange column, the water is passed through an anion-exchange column, which removes all the anions such as SO_4^{2-} and Cl^- present in water and releases an equivalent amount of OH^- ions.

$ROH + Cl^- \rightarrow RCl + OH^-$
$2ROH + SO_4^{2-} \rightarrow R_2SO_4 + 2OH^-$

The H^+ and OH^- ions released from the cation and anion exchangers combine to produce water.

$H^+ + OH^- \rightarrow H_2O$

Water coming out from the exchangers is free from cations and anions and is known as de-ionized or de-

mineralized water. It is used as feed water in steam-generating boilers.

Regeneration

The exhausted cation-exchange column is regenerated by passing a solution of dilute HCl or dilute H_2SO_4. The column is then washed with de-ionized water and the washings are passed to the sink or drain.

$R_2Ca + 2H^+ \rightarrow 2RH + Ca^{2+}$ (washing)

The exhausted anion-exchange column is regenerated by passing a solution of dilute NaOH. The column is washed with de-ionized water and the washings are passed to the sink or drain.

$R_2SO_4 + 2OH^- \rightarrow 2ROH + SO_4^{2-}$ (washing)

The regenerated ion-exchange resins are then reused.

Conclusion

I. The process can be used to soften highly acidic or alkaline water.
II. It produces water of very low hardness.
III. The ion-exchange resins can be regenerated and reused.

Prof. Anindita Swain
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An Overview of Self-Healing Concrete Methods and Results

Concrete is one of the most extensively utilized construction materials worldwide due to the rapid expansion of infrastructure and urban development. Despite its widespread application, concrete structures are inherently susceptible to cracking caused by mechanical loading, shrinkage, thermal stresses and environmental exposure. Moreover, cement productionthe primary binder in concretereleases approximately one tonne of carbon dioxide for every tonne of cement manufactured, significantly contributing to global greenhouse gas emissions and environmental degradation. Consequently, improving the durability and service life of concrete structures while reducing cement consumption has become a critical research focus in sustainable construction practices.

Cracking in concrete facilitates the ingress of aggressive chemical species such as chlorides, sulfates and carbon dioxide, which accelerate reinforcement corrosion and compromise structural integrity. Conventional crack repair techniques typically involve the use of cementitious materials, epoxy resins or polymer-based sealants. While effective in the short term, these methods often require repeated maintenance, increase lifecycle costs and may involve environmentally hazardous substances. Therefore, the development of alternative repair strategies that enhance durability while minimizing environmental impact is essential.

Self-healing concrete has emerged as a promising innovation to address these challenges by enabling the autonomous repair of cracks without external intervention. The incorporation of self-healing mechanisms can significantly reduce maintenance requirements, improve durability and extend the service life of concrete structures. Self-healing approaches are broadly classified into autogenous and autonomous mechanisms based on their mode of action.

Autogenous self-healing occurs naturally due to the intrinsic properties of concrete, including continued hydration of unreacted cement particles and carbonation reactions. These processes result in the precipitation of calcium carbonate ($CaCO_3$) within crack spaces, leading to partial crack closure. However, extensive research indicates that autogenous self-healing is effective primarily for microcracks, typically with widths less than 0.3 mm and its performance is highly dependent on moisture availability and environmental conditions.

In contrast, autonomous self-healing systems involve the deliberate incorporation of healing agents into the concrete matrix. These agents may include encapsulated chemical compounds, mineral admixtures, expansive agents or biological components such as bacteria capable of inducing calcium carbonate precipitation. Upon crack formation, these healing agents are activated, leading to effective crack sealing and structural restoration. Autonomous self-healing techniques have demonstrated the ability to repair cracks wider than 2 mm, significantly reduce permeability and restore mechanical performance. Experimental studies have reported substantial improvements in compressive strength recovery, water tightness and resistance to chloride ingress, indicating enhanced long-term durability.

Overall, autonomous self-healing methods have shown superior performance compared to autogenous approaches in addressing large-scale cracking and durability-related issues. By effectively repairing wide cracks, improving structural integrity and reducing permeability from high to extremely low levels, self-healing concrete represents a sustainable and technologically advanced solution for future infrastructure development.

Sudesna Baliarsingh
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Electrical Engineering: The Foundation of Modern Civilization

Modern civilization is built upon the foundation of electrical engineering. From the simplest household appliances to complex national power grids, electrical systems form the backbone of contemporary life. Almost every sectorhealthcare, transportation, communication, manufacturing, education, defense and governancedepends on the continuous availability of reliable electrical power and advanced electrical technologies. Electrical engineers are responsible for designing, developing, operating and maintaining these systems, ensuring that societies function efficiently and safely.

Electricity has become as essential to human survival and progress as water and air. In the healthcare sector, uninterrupted electrical power is critical for operating life-support systems, diagnostic imaging equipment, surgical instruments and emergency care units. A momentary power failure can put lives at risk,

highlighting the vital role electrical engineers play in ensuring system reliability and safety. Advances in electrical engineering have also enabled modern medical technologies such as telemedicine, digital health records and remote patient monitoring, improving access to healthcare even in remote areas.

Industrial growth and economic development are equally dependent on electrical engineering. Modern industries rely on electrically driven machines, automated production lines, robotics and intelligent control systems to achieve high productivity, precision and efficiency. Electrical engineers contribute to the design of energy-efficient machines and automation systems that reduce operational costs while increasing output, thus supporting sustainable economic growth.

Communication and information exchangecentral to the modern worldare entirely powered by electrical and electronic systems. Mobile phones, satellites, fiber-optic networks, broadcasting systems and the internet enable instant global connectivity, shrinking distances and fostering social, cultural and economic interaction. Education systems, online learning platforms and digital governance services also rely heavily on electrical infrastructure to reach people across different regions.

Furthermore, public infrastructure such as transportation systems, traffic control, water supply management and urban lighting depends on electrical engineering for smooth operation. Without electrical engineering, modern cities would be unable to function, industries would halt, communication would collapse and essential services would fail.

Thus, electrical engineering is not merely a technical fieldit is the invisible force that sustains modern civilization and enables human progress.

Dr. Anshuman Bhuyan
HOD, Department of Electrical Engineering

When Technology Becomes the Goal, Not the Tool

When John F. Kennedy committed the United States to putting a man on the moon, the goal was clear and finite. The Apollo programme cost roughly $280bn (approximately ₹23 lakh crore) in today's money and employed 400,000 people at its peak, but once Neil Armstrong stepped onto the lunar surface, the mission was complete. A similar logic applied to nuclear weapons during the Cold War: once each side possessed enough warheads to guarantee mutual destruction, building more offered little strategic benefit.

Today, technological development no longer follows this pattern. It has become open-ended, self-justifying and detached from clearly defined goals. Microsoft, Google, Amazon and Meta collectively spent over $200bn (approximately ₹16.5 lakh crore) on AI infrastructure last year, largely without knowing what concrete problems it will solve. The justification is circular: AI is necessary because it represents the future, and it represents the future because vast sums are being invested in it. When Sam Altman suggested that artificial general intelligence (AGI) might cost $7tn (approximately ₹580 lakh crore), the figure functioned less as a precise calculation and more as a declaration of inevitability.

This marks a departure from Joseph Schumpeter's idea of "creative destruction," in which new industries replace old ones in ways that ultimately raise living standards. Destruction today is often aimless. Marc Andreessen's assertion that "software is eating the world" has been embraced as an economic strategy rather than treated as a warning. Skepticism about relentless technological escalation is dismissed as Luddism, while advocates rely on vague promises of "transformation" and "paradigm shifts" instead of clearly defined outcomes.

The same logic now dominates defence spending. In 2024, the Pentagon sought $143bn (approximately ₹11.8 lakh crore) for research and development, much of it directed toward autonomous weapons, AI-enabled warfare and hypersonic missilestechnologies whose real military value remains uncertain. China, meanwhile, spends over $230bn (approximately ₹19 lakh crore) annually on its military, investing heavily in autonomous drones and quantum technologies. Each side points to the other to justify its own spending, even though many of these capabilities cannot be verified or meaningfully measured. Unlike the Cold War, where missiles and bombers could be counted, today's arms race revolves around speculative future breakthroughs.

The result is a permanent security dilemma. States are no longer responding to concrete threats but to imagined futures in which rivals may acquire near-magical capabilities. With no clear benchmarks for sufficiency, there is no ceiling on spending.

The opportunity cost is stark. In 2022, 783 million people experienced hunger. Malaria still kills over 600,000 people a year, mostly children. The World Health Organization estimates that universal health coverage would require an additional $176bn annually (approximately ₹14.5 lakh crore)less than what is currently spent on speculative AI infrastructure. Clean water, sanitation and basic education are solvable problems, yet funding flows toward technologies that appear sophisticated rather than those that are demonstrably effective.

Technology was intended to serve human needs. Increasingly, however, humanity appears to be reorganizing itself around technological escalation rather than clearly defined human priorities. As philosopher Martin Heidegger warned, technological thinking risks reducing both nature and people into mere resources to be optimized and measured. When efficiency becomes the highest value, deeper questions about meaning, justice and human flourishing are quietly sidelined.

Progress in itself is not the problem. The problem arises when progress becomes detached from purpose. Innovation without direction does not guarantee well-being. Investment without clarity does not ensure wisdom. A society that continually accelerates without asking where it is headed may eventually discover that speed cannot substitute for direction.

If technology ceases to be a tool and becomes the goal, we risk measuring success by the scale of our infrastructure rather than the quality of our lives. The true test of innovation is not how advanced it appears but whether it meaningfully reduces suffering, expands opportunity and strengthens human dignity.

The essential question, therefore, is not how far technology can go but whether we have the discipline to decide where it should.

Dr. Bikash Ch. Pattanaik, Department of CSE

Power Electronics in Electric Vehicles: The Technology Driving the Silent Revolution

Introduction

Electric vehicles glide through city streets almost silently, promising cleaner air and a sustainable future. While batteries and motors usually take center stage, the real intelligence of an electric vehicle lies elsewhere. Hidden inside compact modules and control units is power electronicsthe technology that decides how efficiently energy is converted, controlled and delivered.

Every smooth acceleration, every instance of regenerative braking and every fast-charging event depends on power electronic converters. Without them, an electric vehicle would be neither efficient nor controllable. As EV adoption grows, power electronics has emerged as the backbone of modern electric mobility.

Power Electronics Inside an EV

An electric vehicle is essentially a network of power electronic subsystems working together. The high-voltage battery stores energy in DC form, but different parts of the vehicle require different voltage levels and even AC power. Power electronics manages this entire process.

The main subsystems include the traction inverter driving the motor, DCDC converters supplying auxiliary loads and the on-board charger connecting the vehicle to the grid. Together, these converters ensure safe, efficient and bidirectional energy flow throughout the vehicle.

Traction Inverter: Turning Energy into Motion

The traction inverter is the most critical power electronic unit in an EV. It converts DC power from the battery into three-phase AC to drive the electric motor and precisely controls speed and torque.

Advanced control techniques such as field-oriented control and space vector PWM enable smooth acceleration and high efficiency across a wide operating range. Ongoing development focuses on reducing losses, improving dynamic performance and supporting high-speed motor operation.

DCDC Converters: Supporting Vehicle Electronics

While the traction system operates at hundreds of volts, vehicle electronics such as lighting, infotainment and control units require much lower voltages. DCDC converters safely bridge this gap.

Modern EVs increasingly use bidirectional and isolated converters, allowing energy to flow both ways and improving overall system efficiency. Compact design and high efficiency under varying load conditions remain key areas of improvement.

On-Board Charger: Linking EVs to the Grid

The on-board charger allows an electric vehicle to draw power from the AC grid and charge its battery safely. It converts AC power into regulated DC while maintaining high power factor and low harmonic distortion.

Recent designs aim to make chargers smaller and more efficient. Bidirectional chargers are also gaining attention, enabling vehicle-to-grid operation where EVs can support the power grid during peak demand.

Wide Bandgap Devices: A Major Leap Forward

A breakthrough in EV power electronics is the adoption of silicon carbide (SiC) and gallium nitride (GaN) devices. Compared to traditional silicon components, these devices switch faster, generate less heat and operate at higher temperatures.

Their use results in smaller, lighter and more efficient inverters and chargers, making them a key enabler for high-voltage EV platforms and fast charging technology.

Managing Heat and Reliability

As power density increases, heat management becomes critical. Excessive temperature can reduce efficiency and shorten component life. Modern EVs employ liquid cooling and integrated power modules to handle thermal stress.

Improving thermal design directly enhances reliability, making it an important focus area for engineers and researchers.

Looking Ahead

The future of EV power electronics lies in higher voltage systems, deeper integration of subsystems and smarter control strategies. Technologies such as 800 V architectures, integrated drivecharger units and intelligent grid interaction are shaping the next generation of electric vehicles.

Conclusion

Power electronics is the silent force that makes electric vehicles practical, efficient and reliable. As EV technology continues to evolve, advancements in power electronic converters and semiconductor devices will play a decisive role in accelerating the transition to sustainable transportation.

For electrical engineers, power electronics in EVs is not just a technologyit is a field where innovation directly shapes the future of mobility.

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Between Deadlines and Dreams

Student life is often described as the best phase of life. It is filled with opportunities friendships and aspirations. Yet behind the vibrant campus environment there exists a quieter reality that many students silently navigate. Anxiety.

As an MBA student I have experienced how expectations can gradually transform into pressure. Academic deadlines presentations internships and placement preparation often overlap. Each assignment carries responsibility. Each exam feels decisive. In the pursuit of excellence the mind rarely pauses.

Anxiety does not always appear dramatically. Sometimes it arrives as overthinking before a presentation. Sometimes it feels like self-doubt after comparing achievements with peers. At other times it manifests as the fear of not being prepared enough for the future. The

competitive environment that motivates growth can also intensify stress.

I realized that student anxiety is not a sign of weakness. It is a response to ambition. We want to succeed. We want to make our families proud. We want to secure meaningful careers. These desires create internal pressure that often goes unspoken.

There were moments when I questioned my abilities. When results did not match effort I felt discouraged. When opportunities seemed limited I felt uncertain. However over time I learned that managing anxiety is part of personal development.

One important lesson I discovered was the value of balance. Productivity does not mean constant exhaustion. Taking short breaks maintaining healthy routines and engaging in conversations with friends create emotional stability. Support systems matter. Sharing concerns reduces isolation. Listening to others reveals that many students carry similar worries.

Another realization was the importance of self-compassion. We often measure ourselves only through achievements. Yet growth is also reflected in resilience adaptability and learning from setbacks. Perfection is unrealistic. Progress is realistic.

Mindfulness and time management became practical tools for me. Planning tasks realistically reduced last minute stress. Focusing on present efforts rather than distant outcomes helped calm unnecessary fears. Gradually I understood that confidence grows through preparation and patience.

Student life is a journey of transformation. Anxiety may accompany ambition but it does not define capability. Every challenge builds emotional strength. Every hurdle enhances maturity.

As I continue this academic journey I remind myself that success is not determined by flawless performance. It is shaped by perseverance and belief.

Behind deadlines there are dreams.
Behind anxiety there is potential.
And within every student there exists the strength to move forward with courage.

Harapriya Das
4th Semester (MBA)

Becoming the Leader I Aspire to Be

When I enrolled in the MBA program I carried more than textbooks and notebooks. I carried dreams. Dreams of becoming financially independent making my family proud and building a career where my decisions would matter. What I did not realize then was that the journey would transform not only my knowledge but also my mindset.

Management is often described through domains such as finance marketing operations human resources and strategy. Initially these felt like academic categories. Gradually I began to see them as stepping stones toward leadership. Each subject shaped a different strength within me.

Finance taught me discipline and clarity. Understanding budgets investments and risk analysis helped me see how responsible decisions create stability. It showed me that confidence grows when we understand the logic behind numbers.

Marketing awakened creativity within structure. It revealed how ideas become influence. Studying consumer behavior digital branding and market research made me realize that communication is power. The ability to connect with people determines the strength of any organization.

Operations management strengthened my patience and precision. Efficiency does not happen by accident. It requires planning coordination and continuous improvement. I learned that small improvements lead to significant results over time.

Human resource management inspired me the most. It emphasized empathy leadership and teamwork. Behind every successful strategy there are individuals who contribute their skills and effort. Valuing people is not optional in management. It is essential.

Strategic management brought everything together. It taught me to think beyond immediate tasks and visualize long term impact. A leader must anticipate change adapt quickly and remain grounded in values. Strategy is the art of seeing the bigger picture while managing the present responsibly.

There were moments when the workload felt overwhelming. Presentations deadlines group discussions and placements sometimes tested my confidence. Yet every challenge strengthened my resilience. I learned that growth begins where comfort ends.

Today I see managerial domains not as separate subjects but as building blocks of leadership. They are shaping me into a professional who can think analytically act ethically and lead confidently.

I aspire to become a leader who inspires others through action integrity and perseverance. My MBA journey is not just about earning a degree. It is about discovering my potential.

Step by step lesson by lesson I am becoming the leader I once imagined.

Sangita Ghadai
4th Semester (MBA)

Beyond Profit: My Journey Toward Responsible Leadership

When I joined my postgraduate management program I believed leadership was about scale. Bigger markets. Larger revenues. Faster growth. Strategy for me was numbers on spreadsheets and market share graphs on presentation slides. Technology was a competitive tool. Sustainability was a chapter in a textbook.

That perception did not last long.

During a case discussion on a multinational firm facing backlash for environmental negligence I realized something unsettling. The company had grown rapidly through technological expansion yet ignored long term ecological consequences. Profits soared. Trust declined.

Eventually regulation intervened and brand value collapsed. That day I understood that innovation without responsibility is a fragile success.

As management students we are trained to optimize resources. But optimization must now extend beyond cost efficiency. It must include carbon efficiency. It must include ethical efficiency. It must include human efficiency.

Technology is transforming every industry I aspire to work in. Artificial intelligence predicts consumer behavior. Automation enhances productivity. Digital platforms redefine customer engagement. Yet the question I constantly ask myself is simple. Who benefits from these advancements and who might be left behind.

In one of our sustainability workshops we examined the concept of stakeholder capitalism. A firm is no longer accountable only to shareholders. It is accountable to employees, communities, environment and future generations. That framework shifted my understanding of strategy. Growth that harms social fabric is not strategic. It is shortsighted.

Innovation excites me. I want to build scalable ventures. I want to lead digital transformation projects. But I also want to ensure that technological adoption does not displace people without reskilling pathways. I want supply chains that are transparent. I want business models that minimize waste rather than externalize it.

Human values are often discussed in abstract terms. Integrity. Empathy. Accountability. Yet in management they translate into concrete decisions. Do we disclose data practices clearly. Do we invest in renewable energy even if short term margins reduce. Do we create inclusive hiring systems.

These are not moral luxuries. They are leadership choices.

As I look ahead I no longer measure success only through financial indicators. I measure it through impact. A responsible manager must balance ambition with awareness. Speed with sustainability. Innovation with inclusion.

Management education has given me analytical tools. The theme of technology and sustainability has given me perspective.

If I ever lead an organization I hope it grows not only in revenue but in responsibility.

Because the future of business will not be defined by how fast we scale.

It will be defined by how wisely we lead.

-Manas Barik
2nd Semester (MBA)

Beyond the Switch: Life in the Age of Smart Power

Electricity no longer simply flows through wires. It senses, responds, analyzes and adapts. The traditional image of power as a silent utility delivered from distant power plants is rapidly transforming. We are now entering the age of smart power, where electricity is not only efficient and connected but also intelligent and sustainable.

For decades, power systems operated in a one-way model. Electricity was generated at centralized stations, transmitted through transmission lines and distributed to consumers. Feedback was minimal and monitoring was limited. Today, this model is evolving into a dynamic two-way ecosystem. Smart grids equipped with advanced sensors, automated control systems and real-time communication networks continuously monitor supply and demand. They detect faults instantly, isolate disturbances, reduce transmission losses and optimize load distribution. This intelligent coordination enhances reliability while improving flexibility and resilience.

“In the age of smart power, electricity is no longer just consumedit communicates, adapts and empowers.”

Smart power has already become an integral part of daily life. Smart meters provide precise real-time consumption data, enabling consumers to understand and manage their energy usage effectively. Homes equipped with automation systems adjust lighting, temperature and appliances based on occupancy patterns and user preferences. With the help of mobile applications, individuals can control and monitor their energy systems remotely. Consumers are no longer passive recipients of electricity. They are informed participants in energy management.

The global transition toward renewable energy has made smart power systems essential. Solar photovoltaic installations and wind turbines generate variable output depending on environmental conditions. Integrating these intermittent sources into the grid requires intelligent forecasting, energy storage systems and adaptive control mechanisms. Battery energy storage systems stabilize fluctuations while advanced power electronics ensure seamless grid integration. Electric vehicles further enhance this ecosystem by functioning not only as transportation solutions but also as distributed energy storage units capable of supporting grid stability through vehicle-to-grid technology.

For electrical engineers, the concept of smart power represents the future of the profession. It demands a multidisciplinary approach that combines core electrical engineering principles with communication systems, data analytics, automation and cybersecurity. Designing intelligent substations, developing grid protection algorithms, implementing demand response strategies and integrating renewable sources are now central challenges of modern power engineering.

Beyond technological advancement, smart power signifies a shift in lifestyle and responsibility. Efficient energy usage reduces carbon emissions, lowers operational costs and supports sustainable urban development. As cities expand and energy demand grows, intelligent power systems will play a crucial role in ensuring energy security, environmental protection and economic stability.

Smart power is not merely an upgrade of infrastructure. It is a transformation in how energy is generated, distributed and consumed. It reflects a future where innovation, sustainability and connectivity define the way we live. Moving beyond the switch means embracing a smarter, cleaner and more resilient energy era.

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AI-Driven Smart Grids and the Future of Energy Distribution

The traditional electrical power grid was designed for one-way power flow, centralized generation and predictable demand. However, with the rapid growth of renewable energy sources, electric vehicles and rising electricity consumption, conventional grids are no longer sufficient. To address these challenges, AI-driven smart grids have emerged as a transformative solution, reshaping the future of energy distribution by making power systems more intelligent, efficient and reliable.

A smart grid is an advanced electrical network that uses digital communication, sensors and automation technologies to monitor and manage electricity generation, transmission and distribution in real time. When integrated with Artificial Intelligence (AI), smart grids gain the capability to analyse large volumes of data, make autonomous decisions and optimize system performance with minimal human intervention.

One of the most significant applications of AI in smart grids is load forecasting. Accurate demand prediction is essential for maintaining grid stability. AI techniques such as machine learning, neural networks and deep learning analyse historical consumption patterns, weather data and user behavior to forecast demand with high precision. This capability enables utilities to reduce transmission losses, prevent blackouts and schedule generation more efficiently.

AI also plays a vital role in fault detection and system restoration. In conventional grids, identifying faults and restoring supply can be time-consuming, leading to prolonged outages. AI-based algorithms detect abnormal patterns in voltage, current and frequency data, identify fault locations and automatically isolate affected sections. This supports the development of self-healing grids that restore power rapidly and enhance reliability.

Another critical contribution of AI lies in the integration of renewable energy sources such as solar and wind. Since renewable generation is variable and dependent on environmental conditions, it introduces challenges in maintaining grid stability. AI systems predict renewable output, manage energy storage systems and balance supply with demand in real time. This ensures smooth integration of clean energy while maintaining operational stability.

AI-driven smart grids also strengthen demand response management. By analysing consumption trends, AI can recommend optimized usage schedules, reduce peak demand and promote energy efficiency. Smart meters and IoT-enabled devices facilitate two-way communication between utilities and consumers, enabling active participation in energy management.

Despite these advantages, AI-enabled smart grids face several challenges. High implementation costs, concerns regarding data privacy, cybersecurity risks and the shortage of skilled professionals remain significant barriers. Securing communication networks and protecting infrastructure against cyber threats are critical priorities in modern power systems.

In the coming years, AI-driven smart grids are expected to become the foundation of sustainable and resilient energy systems. With continued advancements in AI, IoT and cloud technologies, future grids will be more adaptive, autonomous and consumer-focused. AI-driven smart grids represent a vital step toward efficient energy distribution, reliable power supply and a cleaner, smarter energy future.

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Building What Lasts

When I think about technology I do not think about devices or software first. I think about permanence. I think about what will still matter ten years from now when trends fade and business models evolve. As a postgraduate management student specializing in technology and strategy I often ask myself a simple question. Are we building what lasts or are we building what trends.

The digital economy rewards speed. Startups scale in months. Platforms disrupt industries in years. Investors chase exponential growth. In classrooms we analyse unicorn valuations and aggressive expansion models. Yet beneath this excitement lies a quieter challenge. Sustainability is slower. Responsibility requires patience. Long term value rarely trends on social media.

During a field project our team worked with a mid-sized manufacturing firm attempting digital transformation. They wanted automation. They wanted predictive analytics. They wanted efficiency. On paper the solution was straightforward. Implement advanced systems reduce labour dependency increase output.

But when we interacted with their workforce we discovered a different reality. Many employees had served the company for decades. Automation without retraining would not only reduce costs. It would reduce dignity.

Our recommendation changed.

Instead of immediate workforce reduction we proposed phased automation with structured reskilling programs. Instead of focusing solely on output metrics we integrated environmental benchmarks into operational dashboards. Instead of maximizing short term margins we built a five year transformation roadmap centered on resilience.

Technology was still central. Yet its purpose shifted. It became a tool for continuity rather than disruption alone.

That experience reshaped my understanding of innovation. Real innovation is not dramatic replacement. It is thoughtful redesign. It balances ambition with accountability. It recognizes that organizations are ecosystems not machines.

As future managers we must design systems that endure volatility. Climate uncertainty supply chain disruptions and digital security threats demand strategic foresight. Investing in renewable energy infrastructure ethical data

governance and inclusive leadership is not idealism. It is risk management.

Human values are often perceived as soft elements of management. In reality they are stabilizers. Trust reduces transaction costs. Transparency strengthens brand equity. Inclusion fosters creativity. Ethical consistency attracts long term investors.

Technology gives us capability. Sustainability gives us direction. Human values give us legitimacy.

When I imagine my future role in the corporate world I do not aspire merely to lead expansion. I aspire to build institutions that withstand pressure without compromising principles.

In a world obsessed with acceleration the true managerial challenge is endurance.

Because what lasts defines leadership more than what scales.

-Ashutosh Mohapatra
2nd Semester (MBA)

Captain Cool: The Untold Story of MS Dhoni

Mahendra Singh Dhoni was born on July 7 1981 in Ranchi Bihar now Jharkhand. He is one of India's most celebrated cricketers. His rise to prominence in the early twenty-first century reached its peak when he led the Indian national team to victory in the 2011 ICC Cricket World Cup.

Dhoni made his international debut in 2004. His batting brilliance became evident when he scored 148 runs against Pakistan in only his fifth international match. Within a year he joined the Indian Test team and quickly established himself by scoring a century against Pakistan. Despite limited captaincy experience Dhoni was appointed captain of the Indian One Day International team in 2007 and soon led India to victory in the inaugural ICC T20 World Cup that same year.

Under his leadership India achieved several historic milestones including reaching the top of the ICC Test rankings for the first time in December 2009 after series victories against Australia Sri Lanka and others. Dhoni received the ICC One Day International Player of the Year award in 2008 and 2009. In the 2011 Cricket World Cup final held in Mumbai his unbeaten 91 guided India to victory against Sri Lanka ending a 28-year wait for the title. He also led India to the semifinals of the 2015 World Cup. In 2017 he stepped down as captain after leading India in 331 international matches which remains one of the highest records in cricket history. In 2020 he announced his retirement from international cricket.

Indian Premier League

The rapid rise of T20 cricket led to the formation of the Indian Premier League IPL in 2008 by the Board of Control for Cricket in India BCCI. The league follows a round-robin and knockout format and features franchises based in major Indian cities.

In the inaugural IPL season Dhoni signed with the Chennai Super Kings for 1.5 million dollars which was the highest contract at the time. Under his captaincy the team won consecutive IPL titles in 2010 and 2011. In 2016 the Chennai Super Kings faced a two-season suspension due to administrative issues and Dhoni joined the Rising Pune Supergiant during that period. He returned to Chennai in 2018 and led the team to further IPL titles in 2018 and 2021 strengthening his legacy as one of the most successful IPL captains.

The IPL has grown into one of the richest sports leagues in the world. Franchise values have increased significantly and media rights deals have reached record figures. The success of the IPL also led to the launch of the Women's Premier League in 2023 expanding opportunities in women's cricket.

Cricket World Cup and T20 Cricket

The Cricket World Cup is an international championship held every four years and remains one of the most watched sporting events globally. The first World Cup was held in England in 1975 with matches consisting of 60 overs per side. In 1987 the format was reduced to 50 overs per side.

T20 cricket introduced in 2003 revolutionized the sport by shortening the game to 20 overs per side. The format attracted new audiences and increased commercial interest in cricket. The first ICC T20 World Cup was held in 2007 in South Africa and was won by India under Dhoni's leadership.

Legacy and Inspiration

MS Dhoni is regarded as one of the greatest captains in the history of Indian cricket. His calm temperament under pressure earned him the nickname Captain Cool. Beyond statistics his leadership qualities humility and ability to make bold decisions set him apart.

Coming from the small town of Ranchi Dhoni dared to dream big. He idolized Sachin Tendulkar known as the God of Cricket and Bollywood legend Amitabh Bachchan. His journey from a ticket collector in the Indian Railways to a World Cup-winning captain continues to inspire millions.

Some of his motivational thoughts reflect his mindset:

“Face the failure until the failure fails to face you.” “The process is more important than the results. If you take care of the process you will get the results.” “A loss makes you humble.”

MS Dhoni's story is not just about cricket achievements. It is about determination discipline belief and the courage to stay calm in the face of pressure. His legacy will continue to inspire generations of aspiring cricketers and sports enthusiasts.

Rojalin Rout
MCA 1st Year

Cognitive Radio Networks

Cognitive Radio Networks (CRNs) are an advanced type of wireless communication system designed to improve spectrum utilization. In traditional wireless systems, large portions of the radio frequency (RF) spectrum remain underused because they are statically allocated to licensed users. CRNs address this limitation by allowing unlicensed users, known as secondary users (SUs), to opportunistically access unused spectrum without causing interference to licensed or primary users (PUs).

The fundamental operation of a cognitive radio network involves spectrum sensing, spectrum decision, spectrum sharing and spectrum mobility. Spectrum sensing enables secondary users to detect idle frequency bands by monitoring the activity of primary users. Once an idle band is identified, the spectrum decision process selects the most suitable channel based on factors such as signal quality and interference levels. Spectrum sharing ensures fair and coordinated access among multiple secondary users, while spectrum mobility allows the system to vacate a channel immediately when a primary user becomes active.

Spectrum sensing is the most critical function in CRNs because accurate detection of primary users is essential to prevent harmful interference. Common sensing techniques include energy detection, which is simple and widely implemented, matched filter detection, which requires prior knowledge of the primary user signal and cyclostationary feature detection, which offers higher accuracy but involves greater computational complexity. Recent research integrates machine learning and artificial intelligence techniques to enhance spectrum sensing performance and dynamic channel allocation.

Cognitive radio networks offer several advantages. They improve spectrum efficiency, reduce congestion in heavily occupied frequency bands and enable dynamic and flexible communication. CRNs also enhance connectivity in wireless sensor networks, vehicular networks and Internet of Things (IoT) applications. However, several challenges remain, including reliable sensing under low signal-to-noise ratio conditions, security vulnerabilities and effective interference management among multiple users.

In conclusion, Cognitive Radio Networks represent a transformative approach to wireless communication by enabling intelligent, adaptive and efficient utilization of the RF spectrum. With the growing demand for high-speed and reliable wireless connectivity, CRNs are expected to play a significant role in next-generation networks such as 5G, 6G and beyond by providing flexible spectrum access for diverse applications.

Prof. Madhulita Mohapatra
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CONSISTENCY AND DISCIPLINE BUILD THE LIFE YOU DREAM OF

Nobody wakes up excited to struggle. Nobody celebrates sleepless nights, uncertainty or repeated failure. Yet every extraordinary life is built on moments that felt ordinary, painful and invisible. Success is rarely dramatic at the beginning. It is quiet, repetitive and often lonely. What truly separates achievers from dreamers is not talent, luck or shortcuts. It is consistency and discipline.

Most people desire success, but very few commit to the daily grind required to earn it. Everyone wants to win on the first attempt. When they fail, they blame circumstances, timing or luck. When someone else succeeds, they call them fortunate. What we often fail to see is the unseen preparation behind visible achievement. Winners are not lucky. They are prepared.

Consider the story of MS Dhoni. Before lifting the 2011 World Cup, he was a ticket collector in the Indian Railways. He practiced relentlessly on small grounds far away from media attention. His calm leadership was not built overnight. It was forged through years of discipline, controlled emotions and continuous improvement.

Think about Dr. A. P. J. Abdul Kalam. Born into a modest family in Rameswaram, he sold newspapers as a child. Through relentless study, discipline and unwavering focus, he rose to become one of India's most respected scientists and later the President of India. His life proves that humble beginnings do not limit extraordinary futures.

In the world of business, Elon Musk faced repeated rocket failures before SpaceX succeeded. Those explosions were not signs of defeat. They were steps in a process driven by consistent experimentation and disciplined execution.

It is not always the stone we throw that breaks the mango. Some stones are thrown to test strength, direction and timing. Every effort teaches something. Every failure builds resilience. Every disciplined day compounds into progress.

If your results are poor, keep working. If you fail, keep working. If you are tired, keep working. Discipline means showing up even when motivation fades. Consistency means doing the right thing repeatedly even when no one is watching.

Greatness is rarely created in moments of excitement. It is built in quiet routines. It grows in early mornings, late nights, repeated practice and small improvements. One disciplined hour each day becomes seven hours a week. Seven hours a week become hundreds of focused hours each year. That is how ordinary effort turns into extraordinary success.

Consistency builds skill. Discipline builds character. Together, they create confidence. When you consistently act in alignment with your goals, doubt begins to shrink. When discipline replaces excuses, progress becomes inevitable.

The life you dream of is not built in a single breakthrough. It is constructed brick by brick through daily action. Dream boldly but work steadily. Let your habits speak louder than your words. Let your discipline carry you when motivation disappears.

Success does not belong to the most gifted. It belongs to those who refuse to quit. Stay consistent. Stay disciplined. The life you dream of is waiting on the other side of your daily effort.

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WorkLife Balance and Physical Fitness: Sustaining Productivity Through Preventive Health

In the contemporary professional landscape, relentless digitization has profoundly altered the nature of work. While technological advancements have enhanced efficiency and accessibility, they have simultaneously eroded the boundaries between professional obligations and personal life. This persistent imbalance has emerged as a serious concern, adversely affecting physical fitness, mental resilience and overall well-being.

Worklife balance should not be misunderstood as an equal or rigid division of time between work and leisure. Rather, it represents a sustainable equilibrium that allows individuals to meet professional responsibilities without compromising health and personal vitality. The commonly cited excuse of "busy schedules" often masks poor prioritization. In reality, time for health is not found but consciously created. Even the most demanding routines permit room for fitness when well-being is treated as essential rather than optional.

Extended working hours, continuous screen exposure and sedentary lifestyles have become normalized, particularly in academic and technology-driven professions. Over time, such practices result in physical exhaustion, cognitive fatigue and diminished efficiency. The widely accepted notion of "work now and enjoy later" is fundamentally flawed. Health neglected in productive years rarely allows enjoyment in old age and instead manifests as chronic illness and dependency.

Physical fitness plays a pivotal role in restoring balance and sustaining long-term productivity. Regular physical activity improves cardiovascular endurance, muscular strength and metabolic health while simultaneously enhancing mental clarity and emotional stability. Individuals who invest time in fitness do not lose productive hours but extend their capacity to perform effectively over a longer period. A healthy body supports a disciplined mind, enabling consistency and resilience in professional life.

The prevailing culture of hyper-productivity has fostered a dangerous mindset in which overwork is equated with dedication while rest and recovery are viewed as dispensable. This approach is neither intelligent nor sustainable. From a pragmatic perspective, it is far wiser to invest resources in nutritious food, preventive healthcare and physical fitness than to spend heavily on medications and medical interventions later in life. Prevention is not only healthier but also economically sensible.

Educational institutions and professional organizations bear significant responsibility in addressing this growing issue. Encouraging physical activity, promoting healthy work practices and integrating wellness initiatives can significantly reduce stress-related consequences. Faculty members, in particular, serve as influential role models. Their attitudes toward fitness and balance profoundly shape the values and habits of students.

At an individual level, achieving worklife balance requires disciplined self-regulation and intentional lifestyle choices. Structured work schedules, consistent physical exercise, periodic digital disengagement and adequate sleep are not indulgences but strategic investments in long-term efficiency and well-being. Physical fitness does not demand elaborate infrastructure or excessive expenditure. Consistency and commitment remain the defining factors.

In conclusion, worklife balance and physical fitness are intrinsically interconnected pillars of a healthy and productive life. In an era of escalating professional demands and constant connectivity, preserving physical health is not a luxury but a necessity. By consciously prioritizing fitness and preventive care today, individuals can ensure a future marked not by medical dependence but by vitality, independence and genuine enjoyment of life.

Prof. Rakesh Kumar Sethy
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Electric Vehicles: Driving the Future of Mobility

Electric vehicles (EVs) are redefining the future of transportation across the globe. Powered by electricity instead of fossil fuels, EVs offer a cleaner, quieter and more energy-efficient alternative to conventional internal combustion engine vehicles. As concerns over air pollution, climate change and energy security intensify, electric mobility has emerged as a strategic pathway toward sustainable development.

At the core of an electric vehicle lies a sophisticated integration of battery systems, electric motors, power electronics and intelligent control units. Modern EVs primarily rely on advanced lithium-ion battery technology, which delivers high energy density, longer life cycles and improved safety. Electrical engineers play a crucial role in optimizing motor efficiency, designing high-performance power converters, developing rapid charging systems and ensuring seamless vehicle control through embedded systems. Innovations in battery management systems, thermal regulation and regenerative braking have significantly enhanced vehicle range, reliability and overall performance.

One of the most compelling advantages of EVs is their environmental impact. Electric vehicles produce zero tailpipe emissions, which helps reduce urban air pollution and greenhouse gas emissions. When integrated with renewable energy sources such as solar and wind power, the overall carbon footprint of transportation can be substantially minimized. In

addition, EVs have lower operating and maintenance costs compared to conventional vehicles due to fewer moving parts and reduced mechanical wear.

Governments and industries worldwide are investing heavily in EV infrastructure, including fast-charging networks, battery-swapping technologies and smart grid integration. Policies such as subsidies, tax incentives and electric mobility missions are accelerating adoption. In India, initiatives like the FAME scheme and the National Electric Mobility Mission Plan are encouraging large-scale transition toward electric transportation.

The rise of electric vehicles also supports advancements in smart mobility, autonomous driving and connected transportation systems. As battery technology improves, charging times decrease and infrastructure expands, EVs are becoming increasingly practical for everyday use.

The future of mobility is not only electric but also intelligent, sustainable and interconnected. Electric vehicles represent more than a technological upgrade. They symbolize a decisive shift toward cleaner energy, smarter engineering and a more responsible approach to global transportation.

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ELECTRICAL ENERGY: "THE BACKBONE OF MODERN SOCIETY"

Introduction: Power You Cannot See but Cannot Live Without

Imagine a single day without electricityno lights, no mobile phones, no internet, no fans, no hospitals running advanced equipment and no transportation systems. Life as we know it would come to a sudden halt. Electrical energy, though invisible, is the most vital force driving modern society. It supports nearly every aspect of human activity and forms the foundation upon which civilization stands today.

Electrical energy is not merely a scientific concept taught in textbooks. It is the backbone of economic development, social progress and technological advancement. From household appliances to large industrial plants, electricity connects and powers the modern world.

The Evolution of Electrical Energy

The journey of electrical energy began with scientific discovery. Early experiments by scientists such as Benjamin Franklin, Michael Faraday and Thomas Edison transformed electricity from a mysterious phenomenon into a practical source of power. The development of generators, power stations and transmission systems enabled large-scale production and distribution.

Electricity gradually replaced traditional energy sources and became central to industrial growth. This transformation laid the groundwork for today's technologically advanced society.

Electrical Energy in Everyday Life

Electrical energy plays a vital role in daily routines. From alarm clocks and lighting to refrigerators, washing machines and televisions, electricity is constantly at work. It reduces physical labour, saves time and improves living standards in both urban and rural areas.

Access to electricity enhances safety through proper lighting and enables clean water systems, climate control and modern household conveniences.

Education and Healthcare

Education has been greatly enhanced by reliable electrical power. Schools and colleges depend on electricity for lighting, digital classrooms, computers and internet connectivity. Online learning, virtual classrooms and digital libraries are only possible through stable electrical supply.

Healthcare systems rely even more critically on electricity. Life-saving equipment such as ventilators, diagnostic machines, operation theatres and intensive care units depend on uninterrupted power. Refrigeration of vaccines, sterilization of instruments and emergency backup systems highlight how electricity directly saves lives.

Industry, Economy and Communication

Electrical energy drives industrial development and economic growth. Factories, manufacturing plants and IT industries depend on electricity to operate machinery, automate production and increase efficiency. A nation's economic strength is closely linked to its power generation and distribution capacity.

The digital age is entirely dependent on electricity. Communication networks, data centres, smartphones and internet services operate through continuous electrical supply. Online banking, digital governance and remote work all rely on stable power infrastructure.

Transportation and Sustainability

Electric trains, metros, electric vehicles, traffic systems and street lighting demonstrate the role of electricity in modern transportation and urban development. Smart cities integrate electrical energy with digital systems to enhance efficiency and sustainability.

As global energy demand rises, there is increasing focus on renewable sources such as solar, wind and hydroelectric power. Sustainable electrical energy generation is essential to reduce pollution and combat climate change.

Challenges and the Way Forward

Despite its importance, unequal access to electricity remains a challenge in many regions. Transmission losses, rising demand and environmental concerns require better planning, innovation and responsible consumption.

Conclusion: Powering Progress

Electrical energy is not just a convenience but the foundation of modern society. It powers homes, industries, healthcare, education and digital communication. As the world advances, the importance of reliable and sustainable electrical energy will continue to grow.

The future depends on how wisely we generate, distribute and conserve electrical energy. Through innovation, responsible use and renewable integration, electricity will remain the backbone of progress for generations to come.

Sahil Kumar Sahani
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Empowering Women, Healing Nations: A Nursing Perspective

"There is no force more powerful than a woman determined to rise."

Women's empowerment is not merely a social slogan. It is a fundamental human right and a cornerstone of sustainable development. It involves promoting women's sense of self-worth their ability to make independent choices and their right to influence social economic and political change. For generations many women were confined to predefined roles denied equal opportunities and excluded from decision-making spaces. Empowerment seeks to restore dignity voice and equality.

Women's empowerment is directly linked to stronger families healthier communities and more peaceful nations. According to the World Health Organization women make up nearly 70 percent of the global healthcare workforce yet hold only about 25 percent of leadership roles in health systems. This disparity reveals a significant gap between contribution and recognition.

From a nursing perspective empowerment carries profound meaning. Nursing is built on compassion resilience and service. Nurses form the backbone of healthcare delivery by providing continuous patient care supporting families during critical moments and serving as educators and advocates within communities. The COVID-19 pandemic highlighted this truth when nurses stood at the frontlines protecting lives despite physical exhaustion emotional strain and limited resources.

The women's empowerment movement has evolved through multiple historical phases. The first wave focused on voting rights and legal equality. The second wave emphasized access to education employment and reproductive rights. Yet challenges remain. The United Nations reports that one in three women globally experiences physical or sexual violence which deeply affects health dignity and well-being.

In healthcare empowerment must go beyond employment opportunities. It includes safe working environments fair compensation leadership representation mental health support and respect for professional expertise. Empowered nurses are better positioned to empower others. They educate mothers about maternal and child health advocate for reproductive rights reduce maternal mortality and expand healthcare access in underserved communities.

True empowerment is achieved when women are not only caregivers but also policymakers innovators and leaders. When women rise communities heal systems strengthen and nations progress.

As rightly said women belong in every place where decisions are made. Empowering women in nursing does not only uplift a profession. It strengthens healthcare systems and fosters a more equitable compassionate and sustainable world.

Arpita Swain
B.Sc. Nursing 1st Year

EQUALITY IN MENTAL HEALTH

The World Health Organization (WHO) defines mental health as "a state of well-being in which an individual realizes his or her own abilities, can cope with the normal stresses of life, can work productively and fruitfully and is able to make a contribution to his or her community."

All of us need mental well-being and all of us can experience mental health problems at some point in our lives. However, the risks of poor mental health are not equally distributed. As understood by the bio-psycho-social model of mental illness, the probability of developing a mental health problem is influenced by multiple factors, most importantly genetics and the environment in which we are born, live and age. People at the greatest disadvantage are often the most vulnerable to mental ill health. This unequal distribution of risk is known as mental health inequality.

Social Inequalities and Mental Health

Social inequalities are omnipresent in the society we live in. They can be overt, such as racism, poverty and discrimination based on sexual orientation, or less obvious, such as bullying, sexism and social exclusion due to disability or age. Drawing inspiration from George Orwell's *Animal Farm*, one might ponder: "All men are equal but are some men more equal than others?"

Not every individual has an equal opportunity to thrive. Many childhoods begin from a position of disadvantage and many adults find their journey toward mental and physical health obstructed by circumstances beyond their control. These circumstances may include being part of a marginalized or minority group or experiences such as abuse, discrimination and exposure to natural calamities. These negative effects accumulate over a person's lifespan and cumulative disadvantage may even be carried forward intergenerationally.

There is strong research evidence suggesting that individuals who face adverse childhood experiences (ACEs) grow up to constitute nearly one-third of adults with mental illness. Dropping out of education has been associated with substance misuse, anxiety and mood disorders along with an increased risk of suicide. Various studies have also established a link between physical disabilities such as visual or hearing impairment and the development of major depressive or anxiety disorders.

Reports examining the intersection of social factors and health status in India highlight contrasts in well-being across different social groups. Religious minorities, Scheduled Castes and Scheduled Tribes, differently abled individuals, women including single and widowed

women, workers from the unorganized sector and individuals from the LGBTQI community often fare poorly on health and development indicators. Inadequate representation of these groups contributes to bias at the level of policymaking and implementation.

The bidirectional relationship between poverty and mental health is well recognized. Poverty brings stress, debt and other social problems which increase the risk of mental illness and hinder recovery. Concepts such as social gradient and social causation suggest that the further down a person is on the social ladder the higher the risk of developing mental illness. Conversely mental illness can push individuals into lower socioeconomic positions due to decreased ability to work and discrimination in employment. Thus lower socioeconomic groups should be viewed as key targets for preventive action.

Unmet health needs lead to absenteeism from school or work, increased suffering, shorter life expectancy, increased stigma and inadequate investment in mental health services. Beyond the individual and family these unmet needs act as barriers to economic and national development, perpetuating a vicious cycle. Access to mental health care is a right and should not be treated as a luxury.

Mental health does not exist in a vacuum. It results from interaction between individuals and larger systems such as government, law enforcement agencies, educational institutions and the economy. When mental health is viewed only through an individualized lens the burden of recovery is placed solely on the person. Society, institutions and government are equal stakeholders and must share this responsibility. Although easier said than done a collective approach requires acknowledging persistent inequalities rather than ignoring them.

The WHO definition of mental health implies that to be mentally healthy an individual must cope with everyday stressors. However unless basic needs such as nutrition, education, housing and employment are fulfilled the playing field cannot be equal.

The theme of World Mental Health Day 2021 was aptly chosen as "Mental Health in an Unequal World." Job losses, insecurity, loss of lives and social isolation during the COVID-19 pandemic have further widened existing inequalities. The treatment gap for mental illnesses in India which was estimated at nearly eighty percent in the National Mental Health Survey has likely expanded further.

So What Can Be Done?

The first step is acknowledging that mental health inequalities exist. Change must then occur at multiple levels through stronger systemic measures, enhanced community resources and improved individual resilience. Mental health is not limited to disorders but includes overall well-being. The shift toward a rights-based approach and the implementation of the Mental Healthcare Act 2017 in India represent promising steps. However effective implementation remains a challenge.

Reducing mental health inequalities is a complex task and mental health service providers alone cannot address it. A collective effort involving individuals, communities, institutions and administrators is essential. Only through shared responsibility can we move toward true equality in mental health.

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Engineering the Invisible: How Mechanical Innovation Shapes a Better Society

Mechanical engineering is often noticed only when it failswhen machines break down systems overheat or infrastructure wears out. Yet in reality it is the discipline that quietly sustains modern life. From the energy that powers cities to the mechanisms that produce food transport people and support healthcare mechanical systems operate continuously in the background translating scientific principles into societal function.

At its core mechanical engineering is the science of motion energy and materials. Classical laws of thermodynamics fluid mechanics and solid mechanics still form its backbone. However the way these principles are applied today has evolved dramatically. Innovation now lies not merely in making machines faster or stronger but in making them smarter cleaner and more efficient.

One of the most visible areas of progress is energy engineering. Advances in heat transfer and thermodynamic cycle optimization have significantly improved the efficiency of power systems. Modern heat exchangers phase-change materials and advanced cooling techniques are enabling renewable energy technologies such as concentrated solar power and high-efficiency wind turbines to become more reliable and scalable. Mechanical engineers play a key role in ensuring that energy conversion losses are minimized and system performance remains stable under varying environmental conditions.

Manufacturing has also undergone a quiet revolution. Additive manufacturing commonly known as 3D printing has transformed how components are designed and produced. By building parts layer by layer engineers can reduce material waste create complex internal geometries and shorten development cycles. This is not just an industrial advantageit has societal implications. Lightweight components reduce fuel consumption in transportation while rapid prototyping accelerates innovation in medical devices and assistive technologies.

Fluid mechanics a subject often perceived as abstract by students has found renewed relevance in addressing real-world challenges. Optimized flow designs are improving water distribution networks reducing pumping energy and minimizing leakage losses. In agriculture mechanically driven irrigation systems combined with precision control

mechanisms are enhancing water-use efficiency supporting food security in resource-constrained regions.

Automation and robotics represent another frontier where mechanical engineering directly impacts society. Modern robots are no longer confined to factory floors. Mechanically compliant actuators advanced kinematic designs and energy-efficient drive systems are enabling robots to work alongside humans safely and collaboratively. In healthcare mechanical design innovations are supporting rehabilitation minimally invasive surgery and mobility assistance improving quality of life for many.

Sustainability has emerged as a defining design parameter rather than an afterthought. Mechanical engineers increasingly adopt lifecycle analysis to evaluate the environmental impact of products from raw material extraction to disposal. Design for disassembly reuse and recycling is becoming integral to engineering practice. These concepts reflect a shift from linear engineering to circular systems thinking where waste is minimized and resources are conserved.

For educators this evolving landscape demands a change in how mechanical engineering is taught. Students must not only master equations and simulations but also understand system integration real-world constraints and societal impact. Engineering education must cultivate curiosity alongside competence and responsibility alongside innovation.

From a popular-science perspective mechanical engineering remains a discipline where physics meets practicality. It converts abstract laws into tangible solutionsmachines that breathe structures that endure and systems that adapt. Its innovations may not always be visible but their influence is everywhere.

As a professor of mechanical engineering I see the future of the discipline not in isolated breakthroughs but in thoughtful application. When mechanical innovation is guided by scientific rigor environmental awareness and human need it becomes a powerful catalyst for societal betterment. In shaping the machines of tomorrow we are also shaping the world they will serve.

Adarsh Deepak
Assistant Professor
Mechanical Engineering

Man vs. Bear

The viral "Man vs. Bear" trend in which women humorously declare they would rather be with a bear than a man has taken social media by storm. While it may initially appear to be a lighthearted meme it carries a much darker and deeply troubling implication when viewed through the lens of the violence and crimes many women endure at the hands of men. For some women, especially those who have experienced or witnessed abuse, the bear represents a safer and more predictable alternative to the dangers posed by certain men.

Across the world women face acts of cruelty ranging from domestic violence to sexual assault human trafficking and murder. Statistics consistently show that women are disproportionately affected by gender-based violence in many societies. In this context the comparison between a man and a bearboth symbols of dangerbecomes a painful reflection of the trauma women experience as victims of violence.

In cases of assault or abuse some women may feel that even a wild animal driven purely by instinct could be less threatening than a human being capable of manipulation and intentional harm. The bear in this metaphor symbolizes raw power but not calculated cruelty. Its behavior is guided by survival rather than malice. For a woman who has faced harassment or violence the simplicity of that instinct may feel less terrifying than deliberate abuse.

The "Man vs. Bear" trend speaks to the fear that many women live with daily. From being followed in public spaces to facing emotional or physical abuse within their homes some women remain in a constant state of vigilance. The idea that an animal might feel safer than a human highlights the depth of that fear.

This unsettling comparison reveals more than personal anxiety. It reflects broader societal failures. When women feel more threatened by men than by wild animals it points to shortcomings in justice systems, cultural attitudes and institutional support structures. Crimes against women are often dismissed, minimized or inadequately addressed. Victims may encounter disbelief, victim blaming or insufficient protection. In some cases legal systems fail to deliver accountability which deepens distrust and fear.

Although the trend began as a meme it has evolved into a powerful metaphor. It signals an urgent need for stronger laws, effective enforcement, social accountability and cultural change. Women deserve to live without fear of violence harassment or exploitation. They deserve respect, safety and equal protection under the law.

Ultimately the "Man vs. Bear" comparison is not about choosing an animal over a person. It is an expression of desperation and a plea for safety. If societies do not actively confront violence against women these viral moments will continue to expose painful realities. The goal should not be to debate the metaphor but to ensure that no woman ever feels that a wild animal is a safer option than a fellow human being.

Ezze Afsana Santosi
MCA 1st Year

Exploring Managerial Domains in a Dynamic Business Environment

Management is not a single function. It is a coordinated integration of multiple domains that together drive organizational success. During my MBA journey I have come to appreciate how each managerial domain contributes uniquely to strategic growth and long term sustainability. Understanding these domains is essential for becoming an effective future leader.

The first and most visible domain is finance. Financial management forms the backbone of every organization. Budgeting capital allocation investment analysis and risk management determine the viability of projects and strategies. Without sound financial planning even the most innovative ideas cannot survive. Managers must interpret financial statements assess cost structures and ensure optimal utilization of resources.

Marketing is another critical domain that connects organizations with consumers. It involves market research branding consumer behavior analysis and strategic positioning. In the digital era marketing has evolved into data driven engagement through social media analytics personalized campaigns and customer relationship management systems. Effective marketing not only generates revenue but also builds long term brand equity.

Operations management focuses on efficiency and productivity. It ensures that goods and services are delivered in a timely cost effective and quality driven manner. Supply chain coordination process optimization and quality control are essential components. In a competitive environment operational excellence creates a significant advantage.

Human resource management emphasizes people centric leadership. Recruitment training performance evaluation and employee engagement shape organizational culture. Talent management has become increasingly important as companies compete for skilled professionals. Motivated employees enhance innovation collaboration and overall performance.

Information systems management integrates technology into strategic decision making. Data analytics cybersecurity digital transformation and automation influence modern business models. Managers must understand technological tools to remain competitive and adaptable.

Strategic management unites all these domains. It involves setting long term goals analyzing competitive environments and aligning internal capabilities with external opportunities. A strong strategy ensures that finance marketing operations and human resources move in the same direction.

As an MBA student I realize that specialization is valuable yet cross functional understanding is essential. Organizations operate as interconnected systems rather than isolated departments. Effective managers must think holistically anticipate risks and integrate diverse perspectives.

The managerial world is dynamic and complex. However mastering its core domains provides clarity and confidence.

By understanding finance marketing operations human resources information systems and strategy future managers can create balanced growth responsible leadership and sustainable success.

Golak Das
4th Semester (MBA)

Finance as Juridical Architecture and Engine of Innovation: Reconstituting Capital in the Twenty First Century

Finance in its classical articulation was conceived as an allocative mechanisma conduit through which surplus capital migrated toward productive enterprise. In the twenty-first century that description appears reductive. Contemporary finance constitutes an institutional architecture within which risk is priced, sovereignty is negotiated, innovation is capitalized and societal priorities are encoded into markets. It operates not in isolation but within a dense normative matrix of statutory law, regulatory oversight, contractual design and supra-national governance. To interrogate finance today is therefore to examine a tripartite convergence of capital, jurisprudence and technological transformation.

The juridical scaffolding of modern finance has been profoundly reshaped in the aftermath of systemic crises. The global financial crisis of 2008 exposed structural fragilities in leverage, opacity and incentive alignment. In response prudential regulation underwent significant recalibration. Basel III introduced enhanced capital adequacy norms, countercyclical buffers and liquidity coverage requirements compelling financial institutions to internalize systemic risk. Data from the Bank for International Settlements indicate that the aggregate Common Equity Tier 1 ratio of major international banks has nearly doubled over the past decade, stabilizing at levels exceeding thirteen percent in many jurisdictions. This is not merely a statistical adjustment but a paradigmatic shift in regulatory philosophy; law has reasserted itself as an instrument of macro-prudential equilibrium.

Simultaneously capital markets have expanded in scale and complexity. The global derivatives marketwhose notional outstanding amount runs into multiples of global GDPexemplifies the capacity of financial engineering to distribute and repackage risk across borders. Yet this architecture requires constant normative vigilance. Central clearing mandates, trade repositories and initial margin requirements have been institutionalized to mitigate counterparty risk and enhance transparency. The dialectic between innovation

and regulation persists as an enduring tension: excessive rigidity may inhibit liquidity while excessive permissiveness may incubate instability.

Technological innovation has introduced a further layer of complexity. Fintech ecosystems have redefined intermediation by compressing transaction costs and democratizing access. Digital payment volumes are projected to cross the trillion-transaction threshold annually, reflecting a structural transformation in monetary exchange. Artificial intelligencedriven credit analytics enhance underwriting precision yet simultaneously raise questions regarding algorithmic bias, data sovereignty and consumer protection. The jurisprudence of data becomes inseparable from the jurisprudence of finance.

Cryptographic assets and distributed ledger technologies represent perhaps the most philosophically disruptive development. The legal taxonomy of digital tokenswhether as securities, commodities, payment instruments or sui generis assetsdetermines the contours of investor protection, taxation and systemic oversight. More than one hundred central banks are exploring central bank digital currencies, reflecting a strategic assertion of monetary authority in an era of decentralized alternatives. The debate is not purely technical; it concerns the redefinition of trust, the locus of sovereignty and the architecture of settlement finality.

Sustainable finance has emerged as another frontier where law and capital intersect with ethical imperatives. Global assets under environmental, social and governance mandates exceed thirty trillion dollars, illustrating the integration of normative considerations into portfolio allocation. Green bonds, sustainability-linked loans and mandatory climate risk disclosures signify a jurisprudential shift wherein environmental externalities are progressively internalized within financial reporting frameworks. The Task Force on Climate-related Financial Disclosures and analogous regulatory initiatives underscore the alignment of financial stability with ecological prudence.

National fiscal policy now also reflects this alignment. The Budget of India 2026 foregrounds capital expenditure at an elevated scaleover INR 12 trilliondirected toward infrastructure, digital public infrastructure and green transitions, including expansions in renewable energy grids and climate-resilient agriculture. Tax incentives for research and development have been enhanced, underscoring the symbiotic relationship between public finance and private sector innovation. Such fiscal direction reinforces the thesis that sustainable development, supported by robust regulatory frameworks, can cohere with growth imperatives without compromising intergenerational equity.

Corporate law, insolvency regimes and securities regulation further mediate the efficiency of capital formation. Robust insolvency frameworks correlate empirically with improved recovery rates, enhanced creditor confidence and augmented foreign direct investment. Reforms that expedite resolution and reduce information asymmetry deepen capital markets and lower the cost of capital. Thus legal certainty functions as an intangible yet indispensable asset in economic development.

The intellectual responsibility of finance scholars and practitioners in this milieu extends beyond technical proficiency. We are custodians of systemic integrity. The proliferation of high-frequency trading, structured products and shadow banking entities necessitates interdisciplinary inquiry that synthesizes quantitative rigor with normative scrutiny. Finance devoid of legal consciousness risks moral hazard. Law devoid of financial literacy risks inefficacy.

In its most elevated conception finance should not merely optimize the return on capital. It should orchestrate the disciplined mobilization of resources toward sustainable value creation. The equilibrium we seek is not static but adaptivea dynamic concord between innovation and regulation, efficiency and equity, velocity and prudence.

In the final analysis finance is neither an abstract calculus nor a mechanical marketplace. It is a juridical and technological civilization in motion. Its future will depend upon our capacity to craft regulatory architectures that are intellectually rigorous, technologically responsive and ethically anchored. Only then can capital serve not as an agent of volatility but as an instrument of enduring societal progress.

- Pramit Chandra Rout
Asst. Professor, Dept. of MBA

Finding Calm in the Chaos

Campus life looks vibrant from the outside. Class discussions competitions group projects networking events and placement talks create an atmosphere of constant activity. Yet beneath this energy many students quietly struggle with anxiety. I have come to realize that student life is not just an academic journey. It is also an emotional one.

As an MBA student the pressure to perform is continuous. Every presentation feels important. Every internal assessment contributes to future opportunities. Conversations often revolve around internships certifications and career goals. While such ambition drives growth it can also create comparison. When peers achieve milestones it sometimes triggers self-doubt rather than inspiration.

Anxiety often begins subtly. It may start as restlessness before submitting an assignment. It may appear as over preparation for a class presentation. Sometimes it feels like an invisible weight during placement season when uncertainty about the future becomes overwhelming. The mind constantly calculates possibilities and outcomes.

I learned that anxiety is not a flaw. It is a reflection of responsibility. We care about our goals. We value our future. However unmanaged stress can cloud clarity and reduce confidence. Recognizing this was my first step toward balance.

I began observing my patterns. Lack of sleep increased overthinking. Poor time management amplified panic near deadlines. Comparing my progress with others

drained motivation. Gradually I introduced small changes. Structured planning reduced last minute pressure. Regular breaks refreshed focus. Open conversations with friends created reassurance.

One of the most powerful realizations was understanding that everyone carries unseen battles. The classmate who appears confident may also feel uncertain. The student who speaks fluently may also fear failure. Shared vulnerability builds collective strength.

Self-acceptance became essential. I understood that growth does not follow a uniform timeline. Each student's journey is unique. Instead of chasing perfection I began valuing consistent effort. Small achievements deserve recognition.

Student life teaches resilience. It tests emotional endurance as much as intellectual ability. Anxiety may visit during exams interviews or uncertain phases but it does not define potential.

Today I view challenges differently. They are not threats. They are opportunities to strengthen inner stability. Confidence is not the absence of fear. It is the ability to move forward despite it.

In the middle of academic chaos I have learned to find calm within myself. And that calm has become my greatest strength.

Isita Mohanty
4th Semester (MBA)

Finding My Place in the World of Management

When I first stepped into my MBA classroom the idea of managerial domains felt technical and distant. Finance operations marketing strategy and human resources sounded like structured subjects in a syllabus. Over time they began to feel personal. I realized that each domain represents not only a business function but also a way of thinking and leading.

As a woman pursuing management education I often reflect on the importance of confidence in professional spaces. Finance classes strengthened my analytical ability. Interpreting balance sheets understanding capital budgeting and evaluating investment risks taught me to make decisions based on evidence rather than assumption. Numbers are not intimidating when approached with clarity and practice. They become tools of empowerment.

Marketing opened another dimension. It revealed how understanding consumer psychology storytelling and digital engagement can shape brand identity. I learned that empathy is not a weakness in management. It is a strength. Knowing customer needs anticipating behavior and building relationships are essential skills for sustainable growth.

Operations management showed me the value of discipline and structure. Efficient processes supply chain coordination and quality control determine reliability. Behind every successful organization there is a system that functions smoothly. Attention to detail and commitment to improvement create long term efficiency.

Human resource management resonated deeply with me. It emphasizes communication motivation and inclusive leadership. Organizations thrive when employees feel respected and valued. Creating safe environments encouraging diversity and supporting professional development are not just ethical actions. They are strategic priorities.

Strategic management integrates all these domains. It requires vision courage and adaptability. Leaders must analyse external environments anticipate risks and align internal strengths with opportunities. Strategy is not rigid planning. It is dynamic thinking supported by data and insight.

Throughout my MBA journey I have learned that managerial domains are interconnected. Success in one area depends on awareness of others. Balanced leadership requires both analytical precision and emotional intelligence.

As I prepare for my professional future I aspire to lead with competence and compassion. Management is not defined by gender. It is defined by capability character and commitment.

I do not just want to participate in the corporate world. I want to contribute meaningfully to it.

Understanding managerial domains has given me the confidence to step forward with clarity purpose and determination.

Anusaya Sahoo
4th Semester (MBA)

Food as a Site of Cultural Resistance and Religious Assertion

Food is indispensable for all living beings. It is also one of the most powerful ways through which culture is expressed and diversity is represented, especially in the age of digital platforms and social media. Food is often perceived merely as a matter of taste, nutrition or tradition. Yet it is deeply intertwined with identity. In India, for instance, a person's identity is frequently perceived through caste and religion and food becomes one of the visible markers of this social positioning.

Across cultures and histories, food has functioned as a powerful site where identity, religion, power and resistance intersect. What people eat or are forbidden to eat is rarely neutral. It is regulated, moralised and politicised. In this sense, food becomes a crucial medium through which cultural resistance and religious assertion are performed, particularly by marginalised communities.

Religious systems across regions prescribe dietary laws

that define purity and pollution. Food taboos linked to caste and ritual purity are not merely spiritual disciplines. They often operate as mechanisms of social control. Food codes and consumption practices help determine who belongs, who is excluded and whose practices are considered legitimate.

Dominant religious and cultural groups frequently universalise their own food habits, presenting them as morally superior while marking others as uncivilised, impure or sinful. Literature plays a significant role in documenting these tensions. In *The Adivasi Will Not Dance*, Hansda Sowvendra Shekhar highlights the struggles of the Santhals and the way dominant cultural forces attempt to restrict their food practices and lifestyle choices. In *Six Acres and a Third* (*Chha Mana Atha Guntha*), Fakir Mohan Senapati uses culinary references to reflect social hierarchy, greed and exploitation in nineteenth century rural Odisha. When dominant ideologies privilege certain dietary patterns such as vegetarianism and label others as impure, marginal communities resist by continuing their traditional practices, thereby asserting identity rather than surrendering it.

Indigenous and marginalised narratives often foreground food not as an exotic detail but as a marker of dignity and resistance. Descriptions of cooking, hunting, sharing meals and preserving culinary traditions reclaim cultural memory and counter representations that seek to erase or ridicule these practices. Food becomes a language through which identity is preserved and resistance is articulated.

In contemporary times, debates around meat consumption, food bans and claims of "authentic" cuisine continue to reveal underlying religious and political tensions. The policing of food choices often presents itself as moral concern while reinforcing exclusion. In such contexts, the assertion of alternative food cultures becomes an act of cultural survival.

Throughout history, food has operated as far more than sustenance. It is a symbolic and material site where religion asserts authority and culture negotiates resistance. By examining food practices, one can uncover deeper structures of domination and contestation. Understanding food in this way allows us to recognise how the seemingly ordinary act of eating can become a profound expression of identity, belief and resistance.

Sunita Baral
Department: Basic Science and Humanities

From Backlogs to Breakthrough: A Journey of Resilience and Determination

I hail from a small village called Madhuban in Muzaffarpur, Bihar and belong to a humble farming family. My father, Jagarnath Ray and my elder brother have been the strongest pillars of my life. In our region, many students discontinue their education after completing the 12th standard due to financial or social constraints. However, my elder brother always believed that I deserved an opportunity to build a better future. With great difficulty and sacrifice, he arranged a loan and admitted me to G.I.E.T. Baniatangi.

My journey began during an uncertain time. Just before I could step into campus life, the COVID lockdown was imposed. My first semester was conducted entirely online. Coming from a rural background with limited exposure to digital learning, I struggled to cope. The transition was overwhelming. As a result, I failed three subjects in my first semester. In the first year itself, my total backlogs increased to five.

Those failures affected me deeply. Some people mocked me and labelled me as a "pack case," implying that engineering was not meant for me. There were moments when I doubted myself. But my brother never allowed me to give up. He told me firmly, "No matter how long it takes, you will complete your engineering." His confidence in me became my source of strength.

Another major challenge was my poor English communication skills. I could hardly frame proper sentences and presentations felt intimidating. Instead of losing hope, I started working on myself. I watched educational videos, practiced speaking daily, read newspapers and gradually improved my vocabulary and confidence. Progress was slow but steady.

I began clearing my backlogs one by one. After the third semester, I ensured that no further backlogs remained. My academic performance improved significantly and I slowly regained self-belief. What once seemed impossible started becoming achievable.

In my final year, the first company visited our campus for recruitment. Students from all B.Tech branches competed. Out of many candidates, only seven were selected. I was fortunate to be one of them. When I informed my brother, he simply said, "You have made every sacrifice worthwhile." That moment meant more to me than the job offer itself.

G.I.E.T. gave me much more than a degree. It gave me friends who became family, a junior who became like a sister and mentors who guided me throughout my journey. A teacher from the Civil Department continues to hold a special place in my heart for the encouragement and support extended during difficult times.

After completing my engineering and gaining valuable professional exposure, I chose to further strengthen my academic and managerial understanding by pursuing an MBA. Each phase of my journey has been built step by step, with patience and persistence.

My story is not about a smooth path but about overcoming setbacks. From failure to achievement, from doubt to determination, this journey has shaped my identity. I may have started from a small village, but my aspirations are limitless. Hard work, resilience and the unwavering support of family transformed my struggles into stepping stones toward success.

Randhir Kumar, 2nd Year MBA

From Field to Market: Reimagining Agribusiness

Growing up in a semi urban town I often saw the invisible gap between farmers and markets. Crops were harvested with dedication yet profits rarely matched the effort invested. As I entered my MBA program and began studying supply chain management and rural marketing I started viewing agriculture through a managerial lens. I realized that agribusiness is not just about cultivation. It is about coordination strategy and value creation.

Agriculture remains the backbone of our economy yet inefficiencies in logistics storage and pricing systems reduce its potential. Post harvest losses due to inadequate cold storage and transportation remain a major concern. Farmers frequently depend on intermediaries which limits their bargaining power. These challenges are not merely agricultural issues. They are management challenges.

Technology offers promising solutions. Digital marketplaces connect farmers directly with buyers improving price transparency. Data driven forecasting assists in demand planning reducing surplus and waste. Blockchain based traceability systems enhance trust in food supply chains. However technological adoption must be supported by training infrastructure and policy support. Without proper implementation even advanced systems remain underutilized.

Sustainability also plays a crucial role in agribusiness transformation. Climate change has intensified unpredictable rainfall and temperature variations. Efficient irrigation methods soil conservation practices and crop diversification are necessary for long term productivity. Managers in agribusiness must integrate environmental stewardship into strategic planning. Sustainable practices are not only ethical. They protect future supply stability.

Entrepreneurship in agriculture is expanding through food processing organic farming and farm to consumer models. Value addition through packaging branding and quality certification increases profitability. Rural startups supported by microfinance and digital payment systems are reshaping local economies. As future managers we must encourage inclusive growth that benefits small and marginal farmers.

My MBA journey has taught me that effective management requires contextual understanding. Strategies designed for urban industries cannot be applied directly to rural systems without adaptation. Empathy stakeholder engagement and long term thinking are essential.

Agribusiness represents a powerful opportunity to combine innovation sustainability and social impact. With proper planning investment and ethical leadership agriculture can evolve into a highly competitive sector that ensures food security and economic stability.

The transformation from field to market is not automatic. It requires thoughtful management.

And as future leaders we have the responsibility to ensure that growth in agribusiness uplifts those who nurture the land while strengthening the nation's economy.

Tanmaya Kumar Patra
4th Semester (MBA)

From Fields to Frameworks: Agribusiness and the Future of Management

As management students, we are often trained to think in terms of markets, models and metrics. Yet one of the most complex and impactful industriesagribusinessrarely fits neatly into textbook frameworks. Agriculture is not just an economic activity; it is a livelihood, a culture and the backbone of food security. As future managers, understanding agribusiness is no longer optionalit is essential. Agribusiness sits at the intersection of nature and management. Unlike many industries, it operates under conditions of uncertainty that no spreadsheet can fully predict. Weather patterns, soil health, climate change and biological cycles play as significant a role as pricing strategies or supply chains. For students like us, this challenges the traditional idea that management is purely about control. Agribusiness teaches us that management is equally about adaptation.

The future of management will demand a deeper appreciation of sustainability and agribusiness is where this lesson is most visible. Decisions made in farming, processing and distribution have long-term consequences for the environment, rural communities and food availability. As students, we are beginning to understand that profit cannot be the sole objective. Responsible management must balance productivity with conservation, efficiency with equity and innovation with inclusion.

Technology is rapidly transforming agribusiness, making it an exciting space for future managers. Precision farming, data-driven irrigation systems, AI-based crop forecasting and improved logistics are redefining how agriculture functions. However, technology alone is not enough. Effective management is required to ensure that innovations reach small farmers and are implemented in ways that are affordable and practical. This highlights the evolving role of managersnot just as decision-makers, but as facilitators of change.

From a student's viewpoint, agribusiness also reshapes how we think about leadership. Leadership in this sector demands empathy, patience and long-term thinking. Unlike fast-moving consumer markets, agricultural outcomes unfold over seasons, not quarters. This teaches us the value of strategic planning that respects time, risk and resilience.

The future of management education must therefore integrate agribusiness more seriously into its curriculum. Case studies rooted in rural markets, discussions on agricultural policy and exposure to grassroots realities can help bridge the gap between theory and practice. For students, such exposure develops a more grounded understanding of markets and society.

As future managers, we will inherit systems that must feed a growing population while preserving resources for generations to come. Agribusiness offers us a powerful lesson: management is not only about maximizing output, but about sustaining life. In learning from the fields, we prepare ourselves to lead with responsibility, adaptability and purpose.

-Pratikshya Ghadai
2nd Semester MBA (2025-27)

Guardians of the Tricolor: The Spirit of the Indian Soldier

An Indian soldier is not only a defender of borders but also a protector of dreams. While the nation sleeps in peace, the soldier stands awake, alert and ready. His uniform carries not just medals but the weight of responsibility, courage and sacrifice.

From snow-covered mountains to burning deserts, Indian soldiers serve in extreme conditions. They face freezing winds, heavy rains and constant danger without hesitation. Far away from their families, they miss festivals, birthdays and moments of joy, yet their love for the nation never fades.

The strength of the Indian Army lies in its unity. Soldiers come from different regions, languages and religions, but they fight as one. They do not see differences. They see only the Tricolor. This unity reflects the true spirit of India.

An Indian soldier's duty goes beyond war. During floods, earthquakes and national emergencies, soldiers are among the first to respond. They rescue the helpless, provide relief and stand firm when hope seems lost. Their bravery shines not only in war but also in times of peace.

Behind every brave soldier is a story of sacrifice. Some never return home, giving their lives so the nation can live freely. Their families carry silent pain along with immense pride. Their sacrifice reminds us that freedom is not gifted. It is earned through courage and blood.

Respecting soldiers means more than saluting them. It means living with honesty, responsibility and love for the nation. When we work hard, follow the law and remain united, we honor their sacrifice in the truest way.

Biswajit Rayatsingh
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History of Refrigeration

Refrigeration is one of the most significant technological developments in human history profoundly influencing food preservation public health industrial growth and modern living standards. The journey of refrigeration spans thousands of years evolving from simple natural cooling techniques to highly advanced mechanical and electronic systems used today. Understanding the history of refrigeration provides insight into humanity's continuous effort to control temperature for comfort safety and efficiency.

Early Methods of Cooling and Preservation

The earliest forms of refrigeration relied entirely on natural means. Ancient civilizations used ice snow and evaporative cooling to preserve food and cool living spaces. As early as 2000 BCE the Chinese harvested and stored ice during winter months for use in summer. Ice houses insulated storage structures were common in China and later spread to Persia Greece and Rome.

In ancient Egypt water stored in porous earthenware jars was cooled through evaporation while underground storage chambers were used to maintain lower temperatures. The Persians developed an advanced structure known as the Yakhchal a dome-shaped ice house that stored ice and perishable goods in desert climates. Similarly the Greeks and Romans used snow mixed with straw to insulate ice and cool beverages and food. These early techniques laid the foundation for future refrigeration methods.

Development of Ice Trade and Natural Ice Harvesting

The large-scale use of natural ice began in the 18th and early 19th centuries. Ice harvesting became a major commercial activity particularly in colder regions of Europe and North America. Ice was cut from frozen lakes and rivers during winter and stored in ice houses insulated with sawdust or straw.

One of the most influential figures in the ice trade was Frederick Tudor of the United States often called the “Ice King.” In the early 1800s he pioneered the commercial distribution of ice exporting it to tropical regions such as the Caribbean and India. This trade demonstrated the global demand for cooling and highlighted the limitations of relying solely on natural ice including high costs seasonal availability and sanitation concerns.

Scientific Foundations of Refrigeration

The scientific principles underlying refrigeration began to take shape during the 18th century. In 1748 William Cullen a Scottish scientist demonstrated artificial refrigeration for the first time by creating a vacuum over diethyl ether causing it to boil and absorb heat. Although this experiment had no immediate practical application it established the concept of cooling through evaporation.

In the early 19th century further progress was made when Michael Faraday discovered that gases such as ammonia could be liquefied under pressure and then evaporated to produce cooling. These discoveries provided the theoretical foundation for mechanical refrigeration systems.

Invention of Mechanical Refrigeration

The first practical refrigeration systems emerged in the mid-19th century. In 1834 Jacob Perkins developed the first closed-cycle vapor-compression refrigeration system earning him recognition as the “father of the refrigerator.” His system used ether as a refrigerant and incorporated key components still used today including a compressor condenser expansion valve and evaporator.

Later in 1851 American physician John Gorrie developed an ice-making machine intended to cool hospital rooms for patients suffering from tropical diseases. His invention marked a significant step toward the use of refrigeration for medical and comfort applications.

In the latter half of the 19th century refrigeration technology expanded rapidly. Carl von Linde a German engineer developed efficient ammonia-based refrigeration systems in the 1870s. These systems were widely adopted in breweries meatpacking plants and cold storage warehouses revolutionizing food preservation and transportation.

Refrigeration in Industry and Food Preservation

The industrial use of refrigeration transformed agriculture and food supply chains. Meat dairy products fruits and vegetables could now be stored for longer periods and transported over long distances without spoilage. Refrigerated railcars and ships enabled global trade in perishable goods significantly improving food availability and nutrition.

Refrigeration also played a crucial role in chemical processing pharmaceuticals and ice production. The ability to control temperature precisely improved product quality safety and consistency across industries.

Domestic Refrigeration and Household Use

The early 20th century marked the introduction of refrigeration into homes. Initially household refrigerators used toxic refrigerants such as ammonia sulfur dioxide and methyl chloride. While effective these substances posed serious safety risks.

The development of chlorofluorocarbons CFCs in the 1920s particularly Freon revolutionized domestic refrigeration by offering safer non-toxic and non-flammable alternatives. By the mid-20th century electric refrigerators became common household appliances replacing iceboxes and dramatically changing food storage habits and daily life.

Environmental Concerns and Modern Developments

Despite their advantages CFCs were later found to contribute to ozone layer depletion. This led to global environmental action most notably the Montreal Protocol of 1987 which phased out ozone-depleting substances. As a result newer refrigerants such as hydrofluorocarbons HFCs hydrocarbons and natural refrigerants like carbon dioxide and ammonia gained prominence.

Modern refrigeration systems emphasize energy efficiency environmental sustainability and smart technology integration. Innovations include inverter compressors magnetic refrigeration solar-powered cooling and Internet of Things IoT-enabled temperature control systems. These advancements aim to reduce energy consumption and environmental impact while meeting growing global demand.

Conclusion

The history of refrigeration reflects humanity's persistent pursuit of technological solutions to fundamental challenges of food preservation health and comfort. From ancient ice-storage methods to sophisticated modern refrigeration systems each stage of development has contributed to improved living standards and economic growth. As concerns over climate change and energy efficiency intensify the future of refrigeration lies in sustainable eco-friendly technologies that continue to serve society while protecting the environment.

Padmalochan Prusty
Assistant Professor
Mechanical Engineering

How I Found Meaning in Small Moments

When I first joined college, I thought everything would revolve around grades, competitions, certificates and placements. You know, the big things people talk about during orientation or post about on LinkedIn. I honestly believed that the more I achieved, the more "college life" I would experience.

Now that I have stepped into my second year, I am slowly realizing that the things I remember most are not the ones I thought would matter.

It was not the high marks in internals or a perfectly written lab file. It was sitting on the garden wall during free periods, talking about life with people I barely knew a semester ago. It was rushing to the canteen before it closed and sharing one ten-rupee samosa with three friends while laughing at the smallest jokes.

Our college has just one academic building, so every branch is packed under the same roof. Yet it is in the garden outside, between lectures and lab sessions, where I have found some of the most peaceful and honest moments.

One day, after a tiring set of practical sessions, I went and sat under one of the trees near the center of the garden. Nothing extraordinary was happening. Some juniors were rehearsing a street play, someone was playing music on a Bluetooth speaker and students were walking around as usual. But for some reason, that moment felt complete. The breeze, the shade and the random background noise created a sense of calm that felt real.

That was when I started noticing that meaning does not always come from loud achievements.

It often hides in unnoticed scenes:

A chai break after back-to-back lectures
A senior saying, "Don't worry, we have all been there"
Or when a classmate who rarely speaks suddenly asks, "Tu theek hai na?"

In my first year, I was so focused on adjusting and performing that I rarely paused to enjoy anything. Now, I have started collecting these small moments like bookmarks in my day.

They remind me that college is not only about what you become but also about what you feel along the way.

I am still figuring out many thingsassignments, career plans and even basic adulting. But I now understand that sometimes sitting on the edge of the garden wall, sipping overly sweet chai with friends while the sky turns orange is enough.

So, if you are constantly chasing something big, take a moment to pause. Look around. Sometimes the smallest moments leave the biggest marks.

Debraj Naik
2nd Year, EACE, B.Tech

Human Edge in the AI Age

Within a few decades, machine intelligence may surpass human intelligence. Many technologists describe this possibility as the *Singularity* a phase of technological acceleration so profound that it reshapes the fabric of human history. Just as electricity transformed the world a century ago, artificial intelligence is now transforming every sector industry, healthcare, education, governance and beyond. It is difficult to imagine any field that will remain untouched.

There is a growing belief that machines will soon perform not only repetitive tasks but also complex cognitive functions. If people trust AI to drive vehicles, diagnose diseases and manage financial systems, it is natural to assume they may trust AI to perform many human jobs. The idea that machines cannot do what humans can is increasingly being challenged. By 2035, human minds may not be able to compete with artificial intelligence in speed, memory or data processing capacity.

Yet the true question is not whether machines can think. The deeper question is whether humans continue to think. Human beings are a complex blend of instinct and conscience, logic and emotion. At the centre of every individual lies awareness the ability to question, reflect and choose purpose. No algorithm can fully replicate self-awareness, moral judgment or the search for meaning.

The value of education therefore becomes even more significant in the AI era. College education is not merely the accumulation of facts. It is the disciplined training of the mind to think critically, adapt intelligently and respond creatively. In times of change, learners inherit the earth while the learned may find themselves prepared for a world that no longer exists. Survival does not belong to the strongest or even the most intelligent but to the most adaptable.

The modern classroom has no walls. Learning is continuous, borderless and lifelong. True growth begins within. No external system can replace inner awareness. Each individual must cultivate resilience so that external change does not extinguish internal strength.

Sports offer a powerful metaphor. They teach perseverance, teamwork and emotional balance. Victory belongs to those who endure. What appears impossible today becomes achievable through discipline and persistence. The strength of the team lies in each individual member and the strength of each member lies in collective unity.

AI will accelerate change. But change itself demands responsibility. We must shift from passive consumers of technology to thoughtful custodians of its impact. Knowledge without action is incomplete. The wise recognise that insight must translate into ethical implementation.

Human existence is not merely about survival. It is about purpose. In a world of dualities success and failure, joy and struggle growth lies in balance. Long-term progress requires the ability to manage short-term realities. Adaptability, reflection and perseverance remain the enduring human edge.

Artificial intelligence may dominate computation. But meaning, conscience and intentional action remain profoundly human domains. The future will not be shaped by machines alone. It will be shaped by how wisely humans choose to guide them.

Dr. Pritinika Behera
HOD, Department of Mechanical Engineering

India in the Age of Artificial Intelligence

Artificial Intelligence AI has become one of the most transformative technologies of the modern era. It is reshaping industries such as healthcare, finance, manufacturing, education and transportation by improving efficiency, reducing costs and enabling data-driven decision making. Businesses increasingly rely on AI systems to analyse large datasets, predict trends and automate complex processes. At the same time, AI is revolutionizing education through adaptive learning platforms, intelligent tutoring systems and personalized assessments that enhance both teaching and learning experiences.

Global Leaders

In the global AI landscape, the United States and China currently dominate. The United States benefits from strong research institutions, major technology companies and a culture of innovation that encourages experimentation. China, supported by strategic government planning and large-scale investment, has rapidly advanced through companies such as Baidu, Alibaba and Tencent. Both nations demonstrate that leadership in AI requires sustained investment, infrastructure and long-term vision.

India's Position

India occupies a growing but developing position in the AI ecosystem. While it is not yet a global leader in foundational AI platforms, the country possesses significant strengths. Its large pool of engineers and data professionals contributes to global AI development and domestic startups are building solutions tailored to local needs in healthcare, agriculture, finance and governance.

However, challenges remain. Advanced AI development requires substantial computing infrastructure, deep technology investment and strong researchindustry collaboration. Compared to global leaders, India still needs to expand high-performance computing capacity and long-term research funding. Linguistic diversity also presents technical complexity, though it simultaneously

offers opportunities to build inclusive, multilingual AI systems.

Government Initiatives

Recognizing AI's strategic importance, the Government of India has launched initiatives such as the India AI Mission to strengthen computing infrastructure, support indigenous model development and improve access to data and digital resources. Plans include expanding shared computing ecosystems, promoting innovation through research institutions and encouraging collaboration between academia, industry and startups. National digital infrastructure upgrades and 5G expansion further strengthen the technological environment.

Role of Startups

India's startup ecosystem plays a crucial role in AI innovation. Emerging companies are developing solutions in language technology, healthcare diagnostics, agriculture analytics and public service platforms. Access to shared infrastructure, incubators and funding support is gradually lowering barriers for early-stage innovation. These startups are building technologies that address India's unique challenges while also holding global potential.

Conclusion

India may not yet rival the scale of the United States or China in AI leadership, but it is steadily building a strong foundation. With its talent base, expanding digital infrastructure and policy support, India has the potential to become a major contributor to global AI development. The future will depend on sustained investment, inclusive innovation and the ability to balance technological progress with ethical responsibility.

India's AI journey is still unfolding, but its trajectory suggests growing ambition and capability in shaping the intelligent systems of tomorrow.

Digvijay Kumar Singh
Branch : CSE (3rd year)

Indian Woman: Culture or Conditioning?

One evening I asked my mother, "Why do I have to leave this house after marriage?" She smiled. "Because that is our culture."

I asked again, "Why must I wear bangles, sindoor and mangalsutra for him? Why don't men wear symbols to prove they are married?"

She had tradition. I had questions.

Conditioning is repetition so deep that it begins to feel sacred. It is when something is accepted not because it is understood but because it is never examined.

Simone de Beauvoir wrote, "One is not born but rather becomes a woman." A body is born female. A "woman" is carefully constructed. The training begins early. When a baby girl is born someone comments on her skinfair or dark. Her nose sharp or blunt. Her features. Her worth begins with appearance. Soon she learns to sit properly speak softly smile gently. Beauty becomes her first qualification. Approval becomes currency. She begins to see herself through the eyes of others.

From childhood she hears, "This is not your real home." Marriage is presented as her new beginning. Yet often it is only a transferfrom one structure of authority to another. From guarding her father's honour to preserving her husband's prestige. Different house. Same cage.

Patriarchy does not arrive as a man shouting orders. It arrives quietly often through women. It is mothers grandmothers and mothers-in-law who sometimes teach daughters:
"Stay within limits."
"Serve your husband."
"Sacrifice silently."

Patriarchy is not merely designed by men. It is often preserved by women who were conditioned before us. A "sanskariladki" is praised for silence and sacrifice. If she questions she is rebellious. If she chooses herself she is selfish. If she steps outside the line she becomes characterless. Is character blind obedience?

John Stuart Mill warned that what we call women's "nature" is often shaped by controlled upbringing. The Upanishads declare: *Tat Tvam Asi*You are That. Not body. Not gender. Pure consciousness. If our highest wisdom speaks of freedom why does society reduce a woman to a mere body?

Then who benefits when a woman is reduced to skin symbols and silence? Perhaps the real conditioning was never about culture. Perhaps it was about control. And perhaps the real revolution is not loud rebellion but a quiet awakening.

The day a woman stops fearing society's opinion. The day she sees herself not as a role but as awareness itselfthat day tradition will have to answer her uncomfortable questions.

Until then we must keep asking: Is this culture? Or have we simply normalized fear?

Nandini Mahapatra
Assistant Professor
Department of BSH

Innovation as a Management Practice: A Student's Journey

He entered the management programme with a keen interest in innovation, not as a buzzword, but as a structured process of problem-solving. From the outset, he recognized that innovation was not confined to technological breakthroughs; rather, it emerged from the systematic identification of inefficiencies and unmet needs within existing systems.

As a student, he developed the habit of observation. Campus operations, student services and administrative processes became informal case studies. He noted how minor delays escalated into operational inefficiencies and how the absence of coordination often undermined otherwise capable systems. These observations reinforced a fundamental management principle: innovation begins with understanding processes before attempting to redesign them.

Academic exposure further refined his thinking. Concepts such as process mapping, resource optimization and strategic alignment enabled him to convert abstract ideas into feasible proposals. Classroom frameworkswhen applied criticallyallowed him to evaluate risk, scalability and sustainability. Innovation, he learned, requires discipline as much as creativity.

Project-based learning played a crucial role in this transformation. Early initiatives revealed gaps between conceptualization and execution. Some proposals failed due to inadequate stakeholder analysis; others suffered from poor implementation planning. These experiences underscored the importance of managerial rigor. Innovation, without governance mechanisms and performance metrics, proved difficult to sustain.

Collaboration emerged as a defining aspect of his academic development. Leading and participating in team projects exposed him to diverse perspectives and operational constraints. Managing interpersonal dynamics became as critical as managing ideas. Through this process, he recognized that effective leadership in innovation-driven environments depends on communication, adaptability and ethical responsibility.

By the later stages of his programme, his approach to innovation matured. Novelty was no longer the primary objective. Instead, he prioritized relevance, impact and feasibility. His academic work increasingly reflected an integrated perspectivecombining strategic analysis, operational planning and social consideration.

From an academic standpoint, his journey illustrates a broader insight into management education. Innovation is not an isolated function; it is a continuous managerial practice embedded in planning, organizing, leading and controlling. When approached systematically, it becomes a tool for sustainable value creation rather than short-term experimentation.

As he prepares to transition from student to professional, his understanding of innovation is grounded in structure and purpose. Management, in this context, provides the framework through which ideas are tested, refined and implemented. Innovation gains meaning not through originality alone, but through its capacity to endure and deliver measurable outcomes.

-Kousik Patra
2nd Semester MBA (2025-27)

Innovation with Integrity

Innovation is often described as disruption. New ideas replace old systems. Emerging technologies redefine industries. Startups challenge established giants. Yet as I progress through my MBA journey I have realized that innovation without integrity is incomplete. True progress lies in balancing creativity with conscience.

In the modern business environment technology is the primary catalyst for change. Artificial intelligence enhances forecasting. Automation improves efficiency. Digital platforms expand global reach. These advancements create immense opportunities for organizations to grow and compete. However they also introduce ethical questions related to data privacy employment displacement and environmental impact. Managers must address these concerns with thoughtful leadership.

One of the most important aspects of innovation in management is responsible decision making. Every strategic move influences multiple stakeholders. Introducing automation may reduce operational costs yet it also affects livelihoods. Expanding digital operations increases convenience yet raises concerns about cybersecurity. Sustainable innovation requires evaluating both benefits and consequences.

Environmental responsibility has become central to corporate strategy. Climate awareness consumer activism and regulatory frameworks compel organizations to adopt greener practices. Renewable energy investment waste reduction and sustainable sourcing are no longer peripheral initiatives. They are strategic commitments. Managers who integrate sustainability into business models create resilience and long term credibility.

Equally important are human values within organizational culture. Transparent communication inclusive leadership and respect for diversity foster trust. Innovation thrives in environments where employees feel secure to share ideas and experiment. Ethical governance ensures that creativity does not compromise fairness.

During my MBA studies I have learned that effective leadership requires adaptability. Markets evolve rapidly. Consumer expectations shift. Technological trends emerge unexpectedly. Continuous learning and openness to change are essential qualities of modern managers. Yet adaptability must be guided by principles. Integrity anchors innovation to purpose.

Collaboration is another driving force of meaningful progress. Cross functional teams partnerships with research institutions and engagement with communities expand the scope of innovation. Shared knowledge leads to sustainable solutions that benefit broader society.

As I envision my future career I aspire to lead initiatives that combine technology with empathy strategy with sustainability and ambition with accountability. Organizations that innovate with integrity will not only achieve financial success but also earn enduring trust.

Innovation shapes the future. Integrity ensures that the future remains inclusive responsible and humane.

Seema Behera
4th Semester (MBA)

Learning Fast, Learning Right

I have always been curious. Not the quiet kind that sits still, but the kind that wants to take things apart just to see how they work. As a student, that curiosity sometimes got me into troubletoo many questions, too many ideas, too much excitement. For a long time, I thought enthusiasm was something I needed to control.

I was wrong.

Enthusiasm, I've learned, is not a weakness. It is raw energy. What matters is how you direct it.

In my first year of college, I joined everything I couldclubs, events, competitions, workshops. I wanted to experience it all. Some days were thrilling; others were exhausting. I made mistakes, overcommitted and occasionally disappointed people. But every experience taught me something textbooks never could.

What surprised me most was how much learning happens outside the classroom. Late-night brainstorming sessions, last-minute problem-solving before competitions and casual conversations with seniors shaped my thinking more than I expected. Enthusiasm pushed me to show up, even when I wasn't sure I belonged yet.

Over time, I realized that passion without discipline burns out quickly. I began learning how to prioritizehow to say yes with intention and no without guilt. That balance changed everything. My energy became focused rather than scattered.

I also learned the importance of teamwork. Being enthusiastic does not mean leading every conversation or pushing every idea. Sometimes, it means listening, supporting and knowing when to step back. True leadership, I discovered, is not about being the most energetic person in the room, but about channeling energy toward a shared goal.

Failure played its part too. Not every idea worked. Not every effort paid off. At first, that frustrated me. Later, it motivated me. Each failure sharpened my understanding of preparation, patience and persistence.

Today, I am still enthusiastic. I still get excited about new challenges and opportunities. But now, that excitement is guided by reflection. I understand that growth is not about speed aloneit is about direction.

As a student, I am learning that enthusiasm is a gift when paired with purpose. When managed well, it becomes momentum. And momentum, when sustained, becomes progress.

I am still learning fast.

But more importantly, I am learning right.

-Swadhin Sundaray
2nd Semester MBA (2025-27)

Learning to Stay

He had always been called quiet, but that word never quite fit. Quiet suggested emptiness. His mind was anything but empty. From childhood, his thoughts moved faster than his voice. While others reacted instantly, he paused. While others spoke freely, he calculated outcomes. It was not fear that kept him silent. It was possibilitytoo many versions of how things could unfold.

As a child, he felt closer to the sky than to people. At night, he would lie on the roof, staring upward. The sky felt honest. No manipulation. No favouritism. Just order. That was where his first dream began. He wanted to be an astronaut. Not for prestige but for escape. Space felt clean. Structured. Meaningful.

The internet later became his second sky. He studied rockets, missions, orbits and failures. While others argued about sports, he filled notebooks with spacecraft sketches. Space was not just ambition. It was order in chaos.

Reality arrived gradually. He saw unfair systems, influence overpowering merit and convenience replacing justice. One evening, he watched a political convoy overturn a street vendor's cart and continue without pause. That night, the sky felt distant. The astronaut dream did not break. It dissolved.

If the world was broken, escaping it felt weak.

A second dream formed. He wanted power to correct injustice. But over time, he learned that power did not live in speeches. It lived in ownership. In money. In leverage.

He shifted again.

He would become a businessman.

Friendships shaped him along the way. Some faded without conflict. Some ended in misunderstanding. Some disappeared when convenience did. Each departure left quiet lessons. Not all bonds stay. Not all connections mean permanence.

Then came Rudra.

No dramatic entrance. No promises. Just presence. Through disagreements, silence and stress, he stayed. For the first time, he understood that stability is not intensity. It is consistency. Rudra did not change him. He structured him. He grounded spirals and organized scattered ambition.

College brought clarity about careers. Jobs offered safety but also dependence. Ownership offered leverage. He did not reject employment blindly, but his direction became clearer. If systems were flawed, building new ones made more sense than submitting to them.

Now, at the edge of adulthood, he still overthinks. But his thoughts have direction. He still dreams. But his dreams have structure.

He no longer wants to escape the world.
He no longer wants to rule it.
He wants to participate in it intelligently.

And with one steady brother beside him,
his overthinking no longer destroys beauty.

It builds it.

Shreyas Satapathy
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Branch: Electronics and Communication Engineering

Leading Change in a Digital World

The world of management is transforming at a pace never witnessed before. Digital platforms artificial intelligence and global connectivity have reshaped how organizations operate and compete. As an MBA student I believe the true challenge is not simply adapting to change but leading it with responsibility and vision.

Technology has made decision making faster and more precise. Real time analytics guide marketing strategies. Automation improves operational efficiency. Cloud systems enable seamless collaboration across geographical boundaries. Yet the success of these tools depends on managerial wisdom. Technology without direction creates confusion. Technology with strategy creates value.

One of the most significant lessons I have learned is that innovation must be aligned with organizational purpose. A company may adopt advanced systems yet fail if its workforce is not prepared for transformation. Change management therefore becomes crucial. Transparent communication continuous training and inclusive participation reduce resistance and build collective ownership of progress.

Sustainability is another dimension shaping modern management. Businesses are now accountable not only for profits but also for environmental and social impact. Sustainable supply chains responsible sourcing and energy efficient processes are no longer optional initiatives. They define corporate credibility. Leaders must integrate environmental considerations into financial planning and risk assessment. Long term growth depends on balancing economic objectives with ecological responsibility.

Human values remain the foundation of effective leadership. In a technology driven environment empathy integrity and accountability distinguish strong managers from average ones. Employees seek purpose beyond paychecks. Customers demand transparency. Investors evaluate ethical governance. A leader who understands these expectations builds trust that cannot be replicated by algorithms.

Innovation in management also involves fostering creativity within teams. Encouraging open dialogue cross functional collaboration and problem solving workshops nurtures new ideas. When employees feel valued they contribute beyond assigned tasks. Organizational culture therefore becomes a strategic asset.

As future managers we must embrace continuous learning. The skills relevant today may evolve tomorrow. Adaptability critical thinking and ethical awareness are essential qualities in a digital economy. Leadership is no longer about authority alone. It is about influence built on competence and character.

The future belongs to organizations that combine technological advancement with sustainable thinking and human centric values. As I prepare to step into the professional world I aspire to lead change not with haste but with clarity.

Progress should not only be measured in revenue growth. It should also be reflected in positive impact on people and the planet.

Tanisha Priyadarshini Khatua
4th Semester (MBA)

The Lunar Virtue: Preserving Essence in a World of Echoes

We are constantly persuaded to believe that survival depends on adaptability. The modern doctrine suggests that intelligence lies in assimilationthat to endure one must mirror the surroundings and reflect everything while projecting nothing. Yet there is a quiet danger in such camouflage. If a rose strives to resemble the briar and suppresses its fragrance, it does not merely adapt. It disappears. To surrender one's essence for the sake of acceptance is not evolution. It is erasure.

Ideology is not a garment to be changed with the weather. It forms the architecture of perception itself. Reality is not a fixed monument but a structure shaped by values. To dilute one's inner lens in order to appease the collective is to lose sight of one's own truth.

We often mistake influence for volume. We assume that leadership must be loud. The Sun dominates through combustion and blinding brilliance. The Moon, however, governs tides through quiet reflection. The solar temperament burns. The lunar spirit guides. A force need not be fiery to be powerful. Cool steadiness can illuminate more gently and more lastingly than heat ever could.

Creation was not designed in monochrome. Each life carries a distinct choreography. There is no shortage of roles in this vast theatre of existence. There is only hesitation to embody one's own. When we chase another's spotlight, we disrupt the harmony meant for us. We become echoes instead of origins.

The world ultimately values us according to the worth we assign ourselves. If existence appears dim, it is because we have not lit our own lantern. Darkness is often the absence of self-belief rather than the absence of opportunity.

Do not dissolve into imitation. In a garden filled with mirrors, the rarest bloom is the one that refuses to reflect and chooses instead to radiate.

By Monalisha Besayee
Dept. of ECE

Managing Growth in the Agri Value Chain

When we discuss high growth industries conversations often revolve around technology finance or manufacturing. Yet one of the most dynamic sectors with immense untapped potential is agribusiness. As an MBA student I have come to understand that agriculture is no longer confined to cultivation. It is an integrated value chain that demands strategic management innovation and sustainability.

Agriculture today operates within a complex ecosystem. Input suppliers farmers aggregators processors distributors retailers and consumers are interconnected. A disruption at any stage affects the entire chain. Weather volatility transportation bottlenecks price fluctuations and demand uncertainty create continuous challenges. Managing this ecosystem requires analytical thinking and coordination rather than traditional practices alone.

One major issue in agribusiness is post-harvest loss. Inefficient storage inadequate cold chain infrastructure and fragmented logistics reduce profitability. From a management perspective these are operational inefficiencies that can be addressed through better planning and investment. Technology enabled inventory management real time tracking systems and decentralized storage solutions can significantly improve supply chain efficiency.

Market access is another critical dimension. Farmers often lack transparent pricing information and bargaining power. Digital platforms and e marketplaces have begun bridging this gap. However technology adoption must be accompanied by financial literacy training and institutional support. Sustainable growth depends on empowering primary producers rather than replacing them.

Environmental sustainability remains central to agribusiness strategy. Soil degradation excessive chemical usage and water scarcity threaten long term productivity. Managers must promote resource efficient practices such as precision farming drip irrigation and organic cultivation models. Sustainable practices enhance brand value especially as consumers increasingly prefer ethically sourced products.

Value addition offers another promising avenue. Processing packaging branding and direct to consumer distribution can transform agricultural produce into premium products. Agri entrepreneurship supported by startups and cooperatives creates employment opportunities while strengthening rural economies.

My MBA education has helped me see agriculture through a strategic lens. Data driven forecasting financial planning risk assessment and stakeholder collaboration are essential tools for modern agribusiness leaders. The sector requires managers who can balance profitability with responsibility innovation with tradition and expansion with environmental care.

Agriculture feeds the nation. Agribusiness sustains its economy.

As future managers we must design systems that ensure fair returns for farmers efficient supply chains for markets and sustainable practices for the planet. Only then can growth in agribusiness become inclusive resilient and enduring.

Ashish Kumar Nayak
4th Semester (MBA)

Managing the Frame: What Photography Has Taught Me About Leadership

I am a management student and I am obsessed with photography.

For a long time, I believed these two identities lived in separate worldsone analytical, structured and strategic; the other emotional, visual and instinctive. Over time, I have realized they inform each other more than I ever expected.

My interest in photography began with self-photos. At first, it was curiosityhow light reshapes a face, how angles change perception, how an image can express confidence or vulnerability without words. Some saw it as self-obsession. For me, it became a study in self-awareness. Before learning how to manage people or organizations, I was learning how to observe myself.

Photography taught me attention, one of the most underestimated skills in leadership. When I frame a shot, I am forced to slow down, eliminate distractions and focus on what truly matters within the frame. In management, I am learning that leadership demands the same disciplinefiltering noise, identifying priorities and making intentional choices.

As I moved beyond self-photos, my lens shifted outward. I began photographing classmates, campus spaces, streets and everyday moments. Each image reminded me that context shapes meaning. In management studies, we often analyze decisions without fully acknowledging context. Photography trained me to respect itto understand that no action, no person, exists in isolation.

Being deeply invested in photography also taught me patience. Good photographs are rarely accidental. They require timing, repetition and the willingness to fail. I have taken hundreds of unusable shots to capture one meaningful frame. That process mirrors management learningcase studies, simulations, presentations and failures that quietly prepare us for real leadership.

Self-photography, in particular, reshaped my idea of confidence. Early on, I sought validation through reactions and feedback. Over time, I learned to ask a more important question: *Does this image reflect what I intended?* That shiftfrom external approval to internal clarityis the same shift every leader must eventually make.

As a management student, I now see photography as a form of leadership practice. A photograph directs attention. It tells a story. It decides what deserves focus and what remains unseen. Leadership works the same way. Managers frame narratives, set direction and influence perceptionnot through control alone, but through clarity.

I am still obsessed with photography. I still take self-photos. But today, that obsession feels purposeful. Through the lens, I am learning strategy, discipline, empathy and self-management.

Before managing organizations, I am learning to manage perspective.

And before leading others, I am learning to lead myselfone frame at a time.

-Pramit Bindhani
2nd Semester MBA (2025-27)

Maybe, On Another Page

It was another year in college and Linkon found himself standing exactly where he had been before, carrying quiet failures no one else could see. Not the kind printed on marksheets but the kind that settle inside the chest and refuse to leave. He was not arrogant or distant. He was afraidafraid of awkward silences, of choosing the wrong words, of being judged before being understood.

He had never learned how to talk to girls. Over time, silence became comfort and loneliness became routine. While others laughed, flirted and fell in love, Linkon lived like a background character in his own story.

Friends encouraged him to try socializing online. After resisting for months, he finally gave in. Small, careful messages turned into small replies. Nothing dramatic happened, yet he felt less invisible.

In June, his birthday month, a notification appeared. No greeting. Just a picture of a hand decorated with fresh mehndi. A friend jokingly replied with a playful Bollywood line. She responded, laughing. That was the beginning.

Texts became conversations. Conversations became late-night calls. For the first time, someone spoke to him without judgment. He realized sincerity mattered more than perfection.

They decided to meet. She lived only fifty kilometres away.

On 13 July 2025, they met for the first time. He carried a chocolate in his pocket and a racing heart in his chest. She was quietly beautiful and just as nervous. The day passed like a dream.

Three days later, they met again near a dam. She slipped from her scooty and got injured. Without thinking, he rushed her to a hospital on his bike. It was the first time a girl other than his mother had sat behind himnot in romance but in urgency. That evening, he understood something had changed. Her pain felt personal.

They met once more at a hilltop temple. They prayed, took pictures and shared a soft, trembling closeness. Later that night, she deactivated her social media. She confessed she had never been so close to a boy before and feared what her parents would think.

She was preparing for NEET. Her dreams were larger than romance. Guilt began to sit heavily on Linkon's heart. He did not want to become a distraction.

On 1 August, he told her everything. He cared deeply but stepping away felt right. They said goodbye without anger. Only heaviness.

They tried talking again later, but something had changed. The warmth was missing. Conversations slowly faded without drama.

Months passed, yet she never left his thoughts. Some people do not exit loudly. They stay quietly inside you, becoming memory.

Linkon learned that not all stories are meant to end together. Some exist to change you. Some exist to teach you how deeply you can feel.

He still believes in destiny. He believes that if two souls are meant to meet, they will meet again no matter how many pages life turns.

Maybe on another page.

For now, he lets time write.

And hopes next year he will begin a new chapter.

Tanmay Dash
2301326362
Electrical Engineering (3rd Year)

Mechanical Engineering in Society 2025: Trends, Tech and Transformative Impact

Mechanical engineering has long been a cornerstone of technological progress shaping industries and societies alike. From the earliest steam engines to modern aerospace systems and advanced manufacturing mechanical engineers have consistently transformed ideas into practical solutions. Today in 2025 the field is evolving at an unprecedented pace driven by digital technologies sustainability and societal needs making mechanical engineering more relevant than ever.

One of the most transformative trends is the integration of artificial intelligence AI and machine learning into mechanical systems. AI is enhancing design simulation and maintenance processes by enabling predictive maintenance optimizing component designs and creating intelligent manufacturing lines. Machines now monitor their own performance detect potential failures before they occur and adapt operations in real time. This reduces downtime cuts costs and ensures higher reliability directly benefiting society by improving efficiency and safety in industrial and public systems.

Robotics and automation are also reshaping industries and daily life. Collaborative robots or co-bots work safely alongside humans in factories performing repetitive or dangerous tasks with precision. Autonomous vehicles and drones depend on advanced mechanical designs for stability and energy efficiency revolutionizing transportation and delivery systems. In healthcare robotic-assisted surgery enables minimally invasive procedures improving patient outcomes and recovery times. These innovations highlight the social impact of mechanical engineering demonstrating how machines enhance human capability rather than replace it.

Sustainability is another driving force in modern mechanical engineering. Engineers are designing

energy-efficient systems renewable energy solutions and eco-friendly materials to reduce environmental impact. Wind turbines solar trackers and high-performance engines are optimized for efficiency and longevity contributing to cleaner energy production and lower carbon emissions. By prioritizing sustainable design mechanical engineers are addressing climate challenges while improving the quality of everyday life.

Additive manufacturing or 3D printing has revolutionized production by enabling rapid prototyping and custom manufacturing. Aerospace and automotive industries now use 3D-printed components for lightweight high-performance designs while medical applications allow personalized prosthetics and implants. Coupled with advanced materials and nanotechnology such as lightweight composites and high-strength alloys engineers can develop durable efficient and resilient systems across transportation infrastructure and healthcare.

Mechanical engineering's societal impact goes beyond technological advancements. It enables safer transportation networks resilient infrastructure sustainable energy solutions and improved healthcare devices. Engineers are addressing challenges from urban mobility to disaster preparedness demonstrating that mechanical systems are deeply intertwined with human welfare.

Looking forward mechanical engineers must combine classical principles with expertise in AI robotics sustainability and advanced materials. The discipline is evolving from building machines to creating holistic solutions that balance efficiency innovation and societal benefit. In 2025 mechanical engineering is not just about technologyit is about improving human life protecting the environment and driving sustainable progress. By integrating innovation with purpose mechanical engineers continue to transform society making the discipline essential for a better safer and more sustainable future.

Bhagyananda Pradhan
Assistant Professor
Mechanical Engineering

Mistakes I Made I Hope You Don't
An Open Letter from a Final Year B.Tech Student to Juniors

When I entered college as a B.Tech student, I was filled with excitement and curiosity. Four years felt like a lifetime. I thought I had plenty of time to figure everything out. But now, standing in my final year, I realize how quickly those years passed and how a few wrong decisions and misunderstandings almost broke me.

This is not advice from a topper or a perfect student. It is a reflection from someone who learned lessons the hard way. I hope you learn them earlier than I did.

1. I Wasted Time in the Beginning

In my first and second year, I spent more time on distractions than development. Reels, games, random scrolling and endless chilling with friends became routine. I kept telling myself, "Next semester I will start seriously." But that next semester kept shifting until the final year suddenly arrived.

Lesson: Every day matters. Do not delay growth. Start small but stay consistent. Even thirty minutes daily spent on skill development can create powerful results over time.

2. I Focused on Passing Rather Than Learning

My goal was simple: pass exams. I memorized what was necessary and moved on. Concepts, practical exposure and real-world understanding felt secondary. I now understand that marks may help you clear a semester but skills help you build a future.

Lesson: College is not just about clearing subjects. Build skills. Whether it is coding, editing, communication, design or any field that interests you, focus on learning deeply rather than scoring temporarily.

3. I Hid My Talent Instead of Showing It

I have always been passionate about photography and video editing. I had experience even before college. Yet for four years, I kept it to myself. I did not join creative clubs. I did not volunteer for events. I did not showcase my work. Perhaps it was fear. Perhaps it was overthinking.

Looking back, I realize college was the safest place to experiment.

Lesson: If you have a talent, nurture it. Use it. Share it. These four years are meant for exploration. Do not hide your abilities. A small passion can open unexpected doors.

4. I Let One Incident Break My Confidence

There was a time when I made a mistake. It was not intentional but it was misunderstood. The situation escalated. I was insulted publicly and punished harshly. That day, I sat alone questioning my worth.

Someone said to me:

"You will never succeed in life."

Those words hurt more than anything else. For weeks, I felt defeated. I doubted myself constantly. But eventually, I realized I had two choices: stay broken or rise stronger.

I chose to rise.

Lesson: Life will test you. People will misjudge you. Even those you respect may doubt you. But your future is not written by someone else's opinion. It is written by your response.

If I could go back to my first year, I would not change everything. Mistakes taught me maturity. Failure taught me resilience. Pain taught me perspective.

To every junior reading this:

Do not wait for the final year to realize your potential. Do not let one bad moment define your identity. Do not waste time thinking you have plenty of it.

Your future is not decided by what others say. It is shaped by what you choose to do today.

Linkan Sahu
4th Year, EACE, B.Tech

Modern Technology in Lifestyle

From the Stone Age to the digital age, technology has continuously shaped human life. It is not merely a change in time periods but a transformation in the way humans think solve problems and improve their living conditions. The saying "necessity is the mother of invention" perfectly explains this journey. Early humans invented basic tools for hunting and protection. Over centuries these simple innovations evolved into machines computers satellites and now Artificial Intelligence systems that can analyse data diagnose diseases and even assist in scientific discoveries.

Today we belong to a generation that is deeply connected with technology. From waking up to an alarm on a smartphone to ending the day by scrolling through social media, technology surrounds us. Students attend online classes submit assignments digitally and use educational apps to clarify doubts. Information that once required hours of searching in libraries is now available within seconds through search engines. Communication has become faster and more efficient. Instant messaging video calls and social networking platforms have reduced geographical barriers and connected people across the globe.

Artificial Intelligence is one of the most significant achievements of modern technology. AI systems can learn from data recognize patterns make predictions and support decision making. In healthcare AI assists doctors in detecting diseases at an early stage. In agriculture it helps farmers monitor soil conditions predict rainfall and improve crop yield. In banking and business AI improves security detects fraud and manages large scale transactions. Smart homes electric vehicles automation and robotics are also transforming industries and daily life.

Technology has also expanded human curiosity beyond Earth. Advanced rockets satellites and space probes allow scientists to explore space study distant planets and understand the mysteries of the universe. These achievements show how technology reflects human ambition creativity and determination.

However modern technology also brings challenges. Excessive use of digital devices can reduce physical activity and weaken direct social interaction. Issues like data privacy cybercrime and unemployment due to automation are serious concerns. Environmental problems such as electronic waste and increased energy consumption must also be addressed responsibly.

In the twenty first century technology is not just a tool but a powerful force shaping lifestyle culture and economy. It improves comfort increases productivity and opens new opportunities for learning and innovation. At the same time it requires careful and ethical use. If guided by responsibility and human values modern technology can continue to enhance quality of life and contribute to a balanced and sustainable future.

Jigyasa Tripathy
+2 2nd Year Science

More Than Style: What Fashion Teaches us About Management and Leadership

As students of management, we are trained to analyze markets, organizations and strategies. Fashion, at first glance, may seem distant from these concernsassociated more with trends and aesthetics than with analytics. Yet when viewed closely, fashion emerges as one of the most dynamic industries for understanding leadership, innovation and decision-making in the modern economy.

Fashion is a business built on change. Trends shift rapidly, consumer preferences evolve quickly and cultural influences reshape demand almost overnight. Indian brands such as Fabindia and Biba demonstrate how leaders balance tradition with adaptation. Fabindia's ability to modernize handcrafted products while preserving artisan communities reflects strategic leadership rooted in long-term vision rather than short-term profit.

Behind every successful fashion brand lies strong management. The Indian fashion ecosystemfrom sourcing textiles to retail distributionis complex and highly interdependent. Brands like Raymond have mastered this complexity by building integrated supply chains and strong brand identity over decades. For management students, this highlights the importance of operational discipline, consistency and trust in leadership.

Fashion also teaches the power of storytelling. Consumers do not buy garments alone; they buy meaning, confidence and identity. Indian designers and brands such as Sabyasachi and Anita Dongre exemplify this principle. Their leadership lies not only in design excellence but in crafting narratives around heritage, sustainability and cultural pride. This ability to communicate a clear vision is a critical leadership skill across all industries.

Sustainability has become one of the defining challenges in fashion management. Fast fashion models have raised concerns about environmental impact and labor practices. Indian brands like Anavila and Okhai offer alternative approaches by promoting handloom, ethical sourcing and community-based production. For students, these examples show that responsible leadership can align profitability with social and environmental responsibility.

Inclusivity is another lesson fashion offers future managers. Brands such as Zivame have redefined marketing and leadership by openly addressing body positivity and consumer comforttopics once ignored in mainstream Indian fashion. This shift demonstrates how leadership that listens to consumers can reshape markets and challenge outdated norms.

Perhaps the most personal lesson fashion offers is confidence. Leadership, like fashion, is about presencehow ideas are presented and decisions are carried forward. Indian fashion entrepreneurs have shown that authenticity and clarity of purpose can build lasting brands even in competitive markets.

From a student's perspective, fashion reveals that management is not merely technical; it is deeply human. It requires creativity guided by structure, innovation supported by ethics and leadership expressed through vision. By observing how Indian fashion brands navigate change, build trust and remain culturally relevant, management students gain insights that extend well beyond the classroom.

In the end, fashion teaches us that leadership is not about following trends blindly, but about shaping them responsibly. And for future managers, that is a lesson worth wearing with confidence.

-Archita Garnayak
2nd Semester MBA (2025-27)

MOTIVATION TIME TO FACE FEARS

Fear is just a four-letter word. Yet, when it catches hold of us, it creates havoc in our minds, which then spreads through every inch of our body. It makes us shiver and takes away our ability to think rationally. In many cases, fear ruins bright lives far more than we imagine. Each of us faces different kinds of fearfear of not getting a good job, fear of failing in an interview, fear of uncertainty about the future and many more.

By virtue of being human, each of us carries the potential to lead and achieve great things that elevate not only ourselves but also those around us. Yet, the constant chatter of fear in our minds stops us from playing big. It drains our energy, weakens our dreams and pulls us back into our comfort zones the moment we try to expand our possibilities.

Why does fear behave this way? Most of our fears are creations of our imagination. They are like dreams that appear real but are entirely fictional. Our suffering often arises from things that do not exist in reality but exist only in our minds. If we were truly rooted in the present moment, there would be very little space for fear.

Fear is almost always about what might happen next. Will I succeed in life? Will I fail? Will people appreciate me? We constantly suffer either because of what happened yesterday or because of what may happen tomorrow. In this cycle of past and future, we forget to live today.

Today arrives with beauty, hope and opportunity. It is a gift that we often fail to appreciate. The fact that we are alive today is itself a blessing. It is something to celebrate and cherish. Imagine how life would feel if we lived each day as if it were our last. If we worked with gratitude as though returning a gift to life for the precious gift of today.

We must ask ourselves a simple question: Have we come here to experience life or to avoid it?

Let us step forward and face our fears. Let us promise to approach our work with enthusiasm and our relationships with sincerity. Let us embrace every experience that life offers even when it includes failure. Failure is not the end. It is a stepping stone toward growth.

Jaan Hai To Jahaan Hai.

As Nelson Mandela wisely said:

“The brave man is not he who does not feel afraid but he who conquers that fear.”

So, let us go out and face our fears.

Prof. Subrat Kumar Pattnaik
Dept. of BSH

Sleepless Nights, Big Ideas and Breakthroughs: My Hackathon Journey

Success comes quickly for some, but for others it is built step by step through perseverance and learning. I am proud to be someone who grew through struggle.

My hackathon journey began in my first semester at InnovateX 4.0, a national-level event held at Gandhi Institute for Education & Technology, Baniatangi. I was excited and confident. But I did not win. A close friend did.

At first, I felt disappointed. Then I realized losing is not failure unless we stop trying. I told myself,
“This loss is not my ending, it is my beginning.”
That moment changed my mindset.

Soon after, I participated in the Internal Smart India Hackathon on Telemedicine Access in Rural Areas. Our team built a solution to improve medical access in villages. We qualified for the online round and I was honored on Engineers' Day. Though we did not win the final, I gained something more valuable confidence. I learned that
“Not every success comes with a trophy; some come with growth.”

Hackathons became a significant part of my life. They demanded sleepless nights, constant debugging and countless revisions. Code failed at the last moment. Ideas had to be rebuilt from scratch. There were times I wanted to quit. But I reminded myself,
“When you feel like quitting, remember why you started.”

My journey extended beyond campus. I reached the final round of the IEEE GRSS Hackathon at IIIT Bhubaneswar. Competing with students from other institutions expanded my perspective on teamwork and innovation. Later, at BPUT Hackathon 2025, my team Edunex built an AI-Driven Personalized Learning Assistant. We ranked among the top five teams. That achievement reinforced a powerful lesson:
“Hard work never wastes it always returns as success.”

The biggest breakthrough came at CyberHack 2025 organized by Odisha Police and IIT Bhubaneswar. After intense competition across multiple rounds, we secured First Runners Up and won ₹30,000. More than the prize, it was proof of growth. I realized,
“Every failure was preparing me for this moment.”

Even after that, I continued participating in events like Shrusti Tech Hack 2.0, because the journey is not about a single win it is about continuous improvement.

What Hackathons Taught Me

Hackathons taught me patience, collaboration, critical thinking, resilience and self-belief. They strengthened me academically and personally. I learned that
“Every challenge you face makes you stronger than before.”

Message to Students

Do not fear failure. Participate in competitions. Explore. Experiment. These experiences build real-world skills and reveal your true potential. Remember,
“Success belongs to those who keep trying.”
and
“Small steps every day lead to big dreams.”

Final Reflection

My journey began with disappointment, but it continues with determination. Sleepless nights led to stronger ideas. Stronger ideas led to confidence.

I firmly believe,
“Believe in yourself your future is built by what you do today.”

Subham Pradhan
B.Tech CSE, 2nd Year

A Day Without Electricity: Can the World Survive?

Imagine a day without electricityno lights, no mobile phones, no internet and no power supply. What seems impossible today would instantly disrupt life across the globe. Electricity is not merely a convenience. It is the backbone of modern civilization, supporting everything from simple household tasks to highly complex industrial systems.

In homes, daily routines would come to a standstill. Water pumps would stop functioning. Refrigerators would fail, causing food to spoil. Fans, air conditioners and electronic devices would become useless. Even basic communication within families would become difficult.

In cities, chaos would unfold rapidly. Traffic signals would fail, leading to congestion and accidents. Metro systems would halt. Railway signalling would be disrupted. Offices, schools and businesses would shut down, resulting in severe economic losses. Digital payment platforms and banking networks would freeze, creating uncertainty in financial markets.

The most critical impact would be seen in hospitals. Life-saving equipment such as ventilators, cardiac monitors, dialysis machines and diagnostic systems depends entirely on continuous power supply. Although backup generators are available, they cannot sustain all operations for extended durations. A prolonged outage could endanger countless lives.

In the Indian context, the consequences would be even more significant due to the scale and complexity of the national grid. India operates one of the largest synchronized power grids in the world with an installed generation capacity exceeding 400 gigawatts. The grid integrates thermal, hydro, nuclear, solar and wind power sources across vast geographical regions. Power flows through an extensive transmission network managed by Power Grid Corporation of India Limited under the supervision of regional and national load dispatch centres.

A nationwide outage would affect agriculture, industries, IT hubs, transport corridors and rural electrification systems simultaneously. States heavily dependent on irrigation pumps would face immediate agricultural disruption. Data centres in cities such as Mumbai, Hyderabad, Bengaluru and Chennai would suffer operational failures. Even temporary grid instability can cause frequency deviations, which may trigger cascading failures across interconnected regions.

India experienced a major grid collapse in July 2012, which affected more than 600 million people. That event highlighted the vulnerability of interconnected systems and led to significant reforms in grid management, real-time monitoring and frequency control mechanisms. Today, advanced SCADA systems, smart metering and renewable integration technologies have strengthened grid reliability, but uninterrupted supply still demands constant vigilance.

Communication networks would collapse without power. Mobile towers, internet servers and broadcasting systems would stop functioning, making coordination of emergency services extremely difficult. Industries and manufacturing plants would face heavy losses due to halted production and equipment damage.

A single day without electricity would expose how deeply modern society depends on stable power infrastructure. While humanity might survive physically for twenty-four hours, the normal functioning of governance, healthcare, transport, finance and daily life would be severely compromised.

This scenario emphasizes the importance of resilient grid architecture, renewable integration, energy storage solutions and smart grid technologies. It also highlights the crucial responsibility of electrical engineers, grid operators, policy makers and energy planners in ensuring reliability, sustainability and security.

Electricity is invisible yet indispensable. Without it, the world may not collapse immediately but it certainly cannot function as we know it.

Saiprakash Khatua
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Li-Fi: When Light Becomes the Internet

Li-Fi, which stands for Light Fidelity, is an emerging wireless communication technology that uses visible light to transmit data instead of radio waves. It is considered one of the most promising solutions for next-generation high-speed communication because it utilizes LED lighting infrastructure that already exists in homes, offices, streets, industries and public spaces. The core principle of Li-Fi is simple yet revolutionary. LED lights can switch on and off at extremely high speeds that are invisible to the human eye and this rapid modulation can encode digital information.

The concept gained global recognition in 2011 when Professor Harald Haas introduced Li-Fi during a TED Talk demonstration. He showed that a standard LED lamp could transmit video by flickering at high frequency. This demonstration addressed a critical issue in modern communication systems, which is the overcrowding of the radio frequency spectrum. Today, Wi-Fi networks operate within limited RF bands and the exponential growth of smartphones, IoT devices and smart systems has led to congestion, reduced speeds, interference and latency. In contrast, the visible light spectrum is nearly ten thousand times larger than the entire radio spectrum, which provides immense untapped bandwidth.

One of the most remarkable advantages of Li-Fi is speed. In controlled laboratory environments, Li-Fi systems have demonstrated multi-gigabit per second data rates, surpassing conventional Wi-Fi performance. Beyond speed, Li-Fi also offers enhanced security. Since visible light cannot penetrate walls, communication remains confined within a physical

space, which significantly reduces the risk of external hacking and unauthorized access.

Li-Fi also performs efficiently in environments where radio frequency communication is restricted or sensitive. In hospitals, RF signals may interfere with medical equipment, whereas Li-Fi provides a safer alternative. In aircraft cabins, Li-Fi can deliver internet connectivity through overhead lighting systems without RF interference concerns. Underwater communication is another promising application because radio waves attenuate quickly in water, while visible light can transmit data over useful distances.

Despite its advantages, Li-Fi still faces technical challenges. Since it depends on illumination, the LED source must remain operational during communication. Although dimming techniques are available, complete absence of light disrupts transmission. Line-of-sight limitations can also affect performance if the optical path is blocked. Strong ambient sunlight may introduce noise in outdoor conditions. Furthermore, most commercial smartphones, laptops and networking devices currently lack integrated Li-Fi photodetectors, which necessitates additional hardware modules.

Ongoing research is addressing these limitations through hybrid Li-Fi and Wi-Fi systems, adaptive modulation techniques, optical filtering and improved receiver sensitivity. As solid-state lighting continues to evolve, Li-Fi has the potential to integrate seamlessly into smart buildings, smart cities, industrial automation and next-generation 6G communication frameworks.

Li-Fi represents more than an alternative to Wi-Fi. It symbolizes a shift toward spectrum diversification, energy efficiency and intelligent communication infrastructure. When light becomes the medium of connectivity, the future of wireless communication becomes faster, safer and more sustainable.

Niranjan Soy
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On the Nature of Quiet Voices

There are some who enter classrooms without announcing themselves. They take their seats, open their notebooks and listen. Their silence is often misunderstoodmistaken for absence, hesitation, or lack of thought. Yet silence, in many cases, is not emptiness. It is attention.

Such individuals observe the movement of words before contributing their own. They learn the rhythm of discussion, the weight of pauses and the difference between speaking to be heard and speaking to be understood. While louder voices rush forward, the quiet ones remainabsorbing, reflecting, assembling meaning.

Modern spaces often reward immediacy. Quick responses are praised, visibility is mistaken for confidence and expression is valued over understanding. In this landscape, the quiet voice appears fragile. But philosophy has long reminded us that depth rarely reveals itself at once.

Silence, when chosen, becomes a discipline. It teaches patience. It allows ideas to mature rather than escape prematurely. The quiet observer learns to recognize patternsto see how conversations unfold, how certainty disguises fear and how truth often arrives unannounced.

When such a voice finally enters the conversation, it does not interruptit clarifies. It does not competeit connects. Its strength lies not in volume, but in precision. What has been withheld gains weight through restraint.

There is a quiet courage in this form of expression. It does not seek dominance, nor does it rush toward approval. It waits for alignmentbetween thought, intention and moment. And when alignment arrives, the voice speaks not out of impulse, but out of responsibility.

Philosophically, this challenges the assumption that leadership is loud. Ancient wisdom across cultures has often associated insight with stillness. The listener, not the speaker, is often the first to understand. The one who watches learns the terrain before choosing a direction.

In education, in society and in leadership, such voices are essential. They slow haste. They introduce clarity. They remind us that not all strength is assertive and not all confidence demands attention.

The quiet voice does not disappear.

It gathers itself.

And when it speaks, it does so not to fill silence, but to give it meaning.

-Swatishree Karan
2nd Semester MBA (2025-27)

Plant Green, Donate Red and Save Blue

The colours of life carry profound meaning red for blood, green for trees and blue for water. These three elements sustain human existence. Without them, life as we know it would not be possible. “Plant Green, Donate Red and Save Blue” is not merely a slogan. It is a call to conscious living.

Plant Green

India was once celebrated for its dense forests and rich biodiversity. Today, rapid urbanization, industrial expansion and unchecked deforestation are disturbing the delicate ecological balance. Forests are disappearing, air quality is declining and climate patterns are becoming increasingly unpredictable. When trees vanish, oxygen reduces, soil erodes and wildlife loses its habitat.

Planting trees is one of the simplest yet most powerful acts of environmental restoration. A single tree absorbs carbon dioxide, releases oxygen, regulates temperature and supports countless life forms. Beyond environmental

benefits, greenery also improves mental well-being and community health. By planting and protecting trees, we are not only beautifying our surroundings we are securing the future of our planet. Spreading green is a commitment to sustainability.

Donate Red

Blood is life. In hospitals across the world, countless patients depend on voluntary blood donors every day. One unit of donated blood can save up to three lives when separated into red cells, platelets and plasma. It can support cancer patients undergoing chemotherapy, individuals with chronic blood disorders, mothers during childbirth and victims of accidents.

What makes blood donation extraordinary is its simplicity. The human body naturally replenishes donated blood within a short period. A small act of generosity can transform into a life-saving miracle for someone in need. Donating blood is not merely a medical act it is a humanitarian responsibility that strengthens the bond of compassion within society.

Save Blue

Water is the silent foundation of civilization. Every ecosystem, every agricultural system and every human body depends on it. Yet freshwater resources are under severe stress due to pollution, over-extraction and careless consumption. Rivers are contaminated, groundwater levels are declining and climate change intensifies water scarcity.

Saving blue means practicing mindful usage. It means preventing wastage, protecting water bodies from pollution and promoting rainwater harvesting and conservation practices. Water security is directly linked to food security, public health and economic stability. Preserving water today ensures dignity and survival tomorrow.

A Responsible Way of Living

Green sustains the air we breathe. Red sustains the life within us. Blue sustains the planet itself. Together, they form the foundation of a balanced and compassionate society.

“Plant Green, Donate Red and Save Blue” invites us to live with awareness. It reminds us that sustainability and humanity are interconnected. By nurturing nature, supporting one another and conserving resources, we build not only a healthier environment but also a more humane world.

Abinash Pany
Assistant Professor
Department of EE

The Power of a Positive Attitude

When discussing student success, we often emphasize intelligence, grades and technical skills. However, decades of psychological research suggest that one of the strongest predictors of long-term achievement is not talent alone but attitude. A positive attitude influences how individuals interpret challenges, respond to failure and build relationships. It shapes not only academic performance but emotional resilience and overall well-being.

Psychologist Dr. Carol Dweck from Stanford University introduced the concept of the growth mindset. Her research demonstrates that students who believe abilities can be developed through effort perform significantly better than those who believe intelligence is fixed. A positive attitude nurtures this growth mindset. When children view mistakes as opportunities for learning rather than proof of inadequacy, they become more persistent and confident.

Similarly, Dr. Martin Seligman's work on positive psychology highlights the importance of learned optimism. Students who practice optimistic thinking patterns show higher motivation, lower stress levels and improved academic outcomes. Optimism does not mean ignoring difficulties. It means interpreting setbacks as temporary and controllable rather than permanent and personal.

A positive attitude acts as a psychological buffer.

(i) It strengthens resilience during academic pressure and personal setbacks.
(ii) It fosters empathy and prosocial behavior, which enhances teamwork and leadership skills.
(iii) It encourages solution-focused thinking rather than problem fixation.
(iv) It builds self-efficacy, which psychologist Albert Bandura describes as the belief in one's capability to succeed.

Real-life examples reinforce this truth. Dr. A. P. J. Abdul Kalam faced multiple failures during his early scientific career, yet his optimistic outlook and commitment to learning eventually made him one of India's most respected scientists and leaders. Thomas Edison conducted thousands of unsuccessful experiments before inventing the electric bulb. His perspective was simple. He had not failed. He had discovered thousands of ways that did not work.

Children closely observe adults. When teachers and parents model calm problem-solving, gratitude and perseverance, they silently teach emotional regulation and constructive thinking. Neuroscientific studies suggest that repeated positive reinforcement strengthens neural pathways associated with confidence and adaptive behavior. In simple terms, attitude reshapes the brain.

Instead of celebrating only high grades and visible achievements, we must also celebrate effort, persistence and courage. When students feel discouraged, they need guidance, not criticism. Encouraging reflective thinking and constructive feedback helps them internalize the belief that growth is always possible.

A positive attitude is not a naive denial of hardship. It is a disciplined choice to respond with strength, hope and responsibility. When nurtured early, it becomes a lifelong asset.

In shaping young minds, we are not merely teaching subjects. We are shaping perspectives. And a strong positive attitude may be the most valuable lesson of all.

Prof. Mahesh Prasad Sahoo
Department of ECE

Understanding Teenagers: A Sensitive Phase of Life

A teenager is generally a person between the ages of 13 and 19. The term comes from the numbers that end in "teen." Adolescence is the stage between childhood and adulthood, and it is one of the most important phases of life. During this period, the brain continues to develop, especially the areas responsible for decision-making, emotions and impulse control.

The teenage years are often marked by rapid physical, emotional and psychological changes. Hormonal shifts can cause sudden mood swings. At one moment, a teenager may feel extremely happy over small things and at another moment feel sad or irritated without a clear reason. This phase can feel confusing for both teenagers and parents.

Sometimes, when parents scold them, teenagers may feel unloved or misunderstood. However, they often forget that guidance and discipline usually come from care and concern. During adolescence, young people explore new interests, build friendships and try to understand their identity. This search for independence sometimes makes them appear rebellious or distant.

Teen Mental Health

Many teenagers experience stress, anxiety or depression. Academic pressure, social comparison, relationship issues and personal insecurities can deeply affect their mental well-being. In severe cases, depression may lead to self-harm or suicidal thoughts. It is important to remember that suicide is never a solution. Emotional pain can be treated and support is always available.

Common signs of teenage depression include:

Unusual irritability or frequent anger
Fatigue and low energy
Body aches or unexplained stomach problems
Loss of interest in friends or activities
Falling grades or lack of focus in school
Negative self-talk
Talking about death or suicide

Mood swings are normal during adolescence. However, sudden and extreme behavioral changes may indicate a deeper issue that needs attention.

How Parents Can Help

1. Ask and Listen

Choose a quiet and comfortable time to talk. Approach the conversation calmly and without accusation.

For example:

"I have noticed you are spending less time with your friends. Is everything okay?"

"I am worried because you seem upset lately."

Ask open-ended questions and give them space to respond. Practice active listening. Avoid interrupting. Make eye contact. Show that you truly care about what they are saying.

2. Seek Professional Support

While parental support is essential, professional help such as counseling or therapy can be highly effective. Mental health professionals provide structured guidance and coping strategies. Medication may be recommended in severe cases, but therapy and lifestyle changes are also important treatment options.

3. Improve Family Lifestyle

Healthy routines can significantly improve mental health.

Encourage regular physical activity
Provide balanced and nutritious meals
Ensure adequate sunlight exposure
Maintain consistent sleep schedules

Teenagers need around eight to ten hours of sleep each night. Simple family activities such as evening walks, cooking together or spending quality time can strengthen emotional bonds.

4. Encourage Positive Relationships

Support healthy friendships. Social connection plays a vital role in emotional stability. Encourage participation in sports, hobbies or creative activities.

Things to Avoid

Excessive criticism or harsh punishment
Judging self-harming behaviors
Taking their mood swings personally
Comparing them with others

Teenagers are emotionally sensitive. They may appear strong but internally they are still learning to manage complex emotions. Handle them gently and patiently.

Final Thought

Teenagers are like soft cotton. They require understanding, care and guidance. Instead of being only strict guardians, try to become their trusted friend. When they feel safe, they will share their thoughts, fears and mistakes openly.

Once you become their friend, you can guide them in the right direction and help them grow into confident and responsible adults.

Pragyansa Patra
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Quantum Communication: The Next Revolution

Introduction

In today's digital era, communication has become faster and more advanced. At the same time, cyber threats and data breaches have increased significantly. Traditional communication security primarily relies on mathematical encryption, which may become vulnerable with the advancement of quantum computing. As quantum computers continue to develop, the risk of breaking current encryption methods becomes increasingly serious.

To address this challenge, a new technology known as Quantum Communication is being developed. It utilizes the fundamental laws of quantum physics to transmit information in an extremely secure manner. Due to its physics-based security model, it is considered one of the most promising technologies for next-generation communication systems.

Quantum Communication vs Classical Cryptography

A major technical advantage of quantum communication lies in its provision of information-theoretic security rather than computational security. Classical encryption algorithms such as AES, RSA and ECC rely on the assumption that certain mathematical problems are computationally difficult to solve. However, quantum algorithms such as Shor's algorithm can efficiently break RSA and ECC once large-scale quantum computers become practical.

Quantum communication, particularly through Quantum Key Distribution (QKD), eliminates this vulnerability because its security is guaranteed by the laws of quantum mechanics rather than by computational complexity.

Why Quantum Communication Is a Revolution

Quantum communication represents a technological revolution because its security is rooted in physical principles rather than mathematical assumptions. If an unauthorized entity attempts to intercept quantum information, the quantum state is automatically disturbed. This disturbance can be detected immediately by the communicating parties.

This intrinsic detection capability makes quantum communication significantly more secure than traditional encryption methods. Technologies such as QKD allow two users to share encryption keys securely without the risk of undetected interception. These characteristics make quantum communication highly suitable for critical applications in defense, banking and government networks.

Role of Photons and Optical Networks

Quantum communication primarily employs single photons transmitted through optical fibers or free-space optical links. Photons are ideal carriers because they interact weakly with the environment and can encode quantum information using polarization, phase or time-bin encoding techniques.

Optical fiber infrastructure plays a crucial role in enabling quantum communication networks. However, photon loss and decoherence remain major technical challenges in long-distance transmission.

Quantum Repeaters and Long-Distance Transmission

One of the primary limitations of quantum communication is transmission distance. In optical fibers, quantum signals suffer from attenuation and cannot be amplified using classical repeaters since amplification would destroy the quantum state.

Quantum repeaters are proposed as a solution to this limitation. They function using entanglement distribution, entanglement swapping and quantum memory to extend communication range without violating quantum mechanical principles. The development of efficient and scalable quantum repeaters is essential for constructing large-scale quantum communication networks.

Future Advancements

The future of quantum communication is highly promising. Researchers are working to enhance performance, scalability and practical deployment. Advancements in quantum repeaters are expected to significantly increase communication distances by mitigating signal loss.

Satellite-based quantum communication systems are also under active development to enable secure communication across countries and continents. Additionally, the concept of a quantum internet is gaining attention, where quantum networks will facilitate ultra-secure information exchange on a global scale.

As technology matures and becomes more cost-effective, quantum communication is expected to play a central role in future secure communication infrastructures.

Conclusion

Quantum communication represents one of the most transformative advancements in communication engineering. By leveraging quantum phenomena such as superposition, entanglement and measurement disturbance, it ensures secure key distribution and real-time intrusion detection.

Although challenges such as high implementation cost, limited transmission range and the absence of fully practical quantum repeaters remain, ongoing research is steadily overcoming these barriers. With progress in satellite-based systems, quantum repeater technology and quantum internet development, quantum communication is poised to become a cornerstone of next-generation secure communication systems.

By: Ritwick Rana
Department: ECE
Year: 3rd B.Tech

Redefining Management Through Innovation

Innovation in management is no longer limited to launching new products or adopting new software. It is about rethinking how organizations think decide and grow. As an MBA student I see innovation as a mindset that challenges routine practices and transforms them into sustainable systems of value creation.

Traditional management focused heavily on hierarchy control and efficiency. While these elements remain important the modern business environment demands agility adaptability and continuous learning. Markets shift rapidly due to technological disruption changing consumer expectations and global competition. In such an environment static management models cannot survive.

One of the most powerful innovations in management today is data driven decision making. Leaders are no longer dependent only on intuition. Analytics dashboards real time performance indicators and predictive models enable informed strategic planning. Yet innovation does not stop at using data. It extends to how data is interpreted ethically and responsibly. Managers must ensure transparency accountability and fairness in digital

processes.

Another significant shift is the move from rigid structures to collaborative ecosystems. Cross functional teams design thinking workshops and agile frameworks are replacing traditional top down models. This change empowers employees encourages creativity and reduces resistance to change. Innovation in management therefore becomes a cultural transformation rather than a technical upgrade.

Sustainability has also redefined managerial priorities. Earlier environmental responsibility was treated as a separate initiative. Today it is integrated into core strategy. Green supply chain management renewable energy adoption and circular business models are examples of managerial innovation that balance profitability with responsibility. Organizations that embed sustainability into their operational design gain long term resilience and stakeholder trust.

Human centric leadership is another area where innovation is visible. Employee wellbeing inclusive policies and continuous skill development are no longer optional benefits. They are strategic necessities. In a knowledge driven economy human capital determines competitive advantage. Managers who invest in learning platforms mentorship systems and flexible work structures build organizations that thrive in uncertainty.

As future leaders we must recognize that innovation in management is not about complexity. It is about clarity of purpose. It requires questioning outdated assumptions and designing systems that align technology sustainability and human values.

The future of management will belong to those who can integrate strategy with empathy efficiency with ethics and ambition with responsibility. Innovation is not a destination. It is a continuous process of improvement guided by vision and integrity.

Through innovative management practices organizations can create growth that is not only rapid but meaningful.

Ananya Sutar
4th Semester (MBA)

REDUCTION OF CARBON FOOTPRINT EMBRACING A SUSTAINABLE LIFESTYLE

The temperature on Mars can drop to -140°C while Venus reaches nearly 460°C. This extreme difference is largely due to the amount of carbon dioxide (CO_2) in their atmospheres. Venus, with its dense CO_2 atmosphere, traps heat intensely, whereas Mars lacks sufficient atmospheric density to retain warmth. Earth maintains a delicate balance with just the right amount of CO_2 to sustain life. However, this balance is now under threat.

The greenhouse effect occurs when carbon dioxide and other greenhouse gases trap heat in the atmosphere. CO_2, with an atmospheric lifetime of around 120 years, is the most significant anthropogenic greenhouse gas. Over the past decade, its concentration has been increasing at approximately 1.9 parts per million annually.

The safe atmospheric concentration of CO_2 is considered to be 350 ppm. Currently, it stands at about 414 ppm, compared to 280 ppm before industrialization. Historical records show that CO_2 levels fluctuated between 180 and 280 ppm over the past 800,000 years. At the present growth rate of about 2 ppm annually, reaching 450 ppm within the next three decades is highly probable.

Carbon dioxide contributes nearly 61% to global warming among greenhouse gases. Methane accounts for 15%, CFC-12 for 7% and nitrous oxide for 4%. Once released, these gases remain in the atmosphere for decades, intensifying the warming effect.

Over the past century, global temperatures have risen by approximately 0.56 K, a phenomenon known as global warming or climate change. Since 2001, atmospheric CO_2 levels have risen sharply. Natural carbon sinks such as forests and oceans are showing reduced absorption efficiency. Studies indicate that ocean uptake in 2023 was about 10% lower than expected due to record surface temperatures and weak winds. In 2020, the global surface ocean CO_2 absorption capacity declined by 13% compared to 1992.

Antarctic ice loss projections suggest that by 2100, Antarctica could shrink by 33%, leading to a sea level rise of about 1.4 meters. While volcanoes emit between 130 and 230 million tons of CO_2 annually, human activities such as fossil fuel burning and deforestation have increased atmospheric CO_2 by approximately 35% since the industrial revolution. Burning one litre of gasoline releases about 2.32 kg of CO_2.

As physicist Myles Allen emphasizes, solving the climate crisis requires eliminating net CO_2 emissions entirely. Current emissions must decrease by 2 to 2.5 percent annually to mitigate severe consequences.

Earth Day, observed every April 22 since 1970, promotes environmental awareness and policy action. The 2025 theme, “Our Power Our Planet,” emphasizes collective responsibility. The message is clear: the planet's future lies not only with leaders and scientists but with every individual.

Reducing our carbon footprint demands conscious daily action. By adopting sustainable practices and embracing an Earth Day mindset, we can protect the environment and secure a safer future for generations to come.

Dr. Sruti Ranjan Mishra
Professor in Chem. Dept. of BSH

Role of Current Affairs in Students' Education

Current affairs refer to significant events and developments taking place in our country state and across the world. Staying informed about these events is essential for every student. Awareness of current affairs sharpens observation broadens perspective and strengthens critical thinking. It enables students to understand society governance and global dynamics more clearly.

In today's rapidly evolving world education extends far beyond textbooks. India is progressing steadily in digital education through online learning platforms smart classrooms and advanced teaching tools. Students who stay updated with these changes can better connect theoretical knowledge with practical application. They learn to relate classroom concepts to real-world developments.

India is also advancing rapidly in science and technology. Innovations in artificial intelligence telemedicine digital health records biotechnology and medical devices are transforming healthcare systems. For nursing students awareness of these advancements is especially important because healthcare practice is constantly evolving. Digital monitoring systems online consultations and electronic medical records are becoming integral to modern clinical environments.

Healthcare-related current affairs hold special relevance in nursing education. The COVID-19 pandemic demonstrated the importance of public health awareness vaccination campaigns infection control measures and mental health support. Government initiatives such as Ayushman Bharat the National Health Mission and expanded immunization programs have strengthened healthcare accessibility. Understanding these policies helps nursing students comprehend the structure of healthcare delivery and the responsibilities of healthcare professionals.

Issues such as antimicrobial resistance lifestyle diseases mental health maternal and child health and emergency preparedness are regularly discussed at national and international levels. A nursing student who follows these developments becomes more informed empathetic and professionally prepared.

Environmental concerns also directly influence public health. Air pollution contaminated water climate change and improper waste disposal contribute to various diseases. By staying informed students can promote preventive healthcare awareness and advocate for healthier communities.

Furthermore knowledge of current affairs enhances communication skills improves performance in competitive examinations and builds confidence during interviews. In healthcare professions awareness of recent medical research public health policies and global health trends is essential for effective practice.

In conclusion awareness of current affairs helps students become responsible knowledgeable and socially conscious individuals. For nursing students it is not only about general awareness but about understanding healthcare systems policies and patient needs. Developing the habit of reading newspapers following credible health bulletins and staying updated with national and global developments is therefore an essential part of holistic education.

Sanjana Rout
BSc Nursing 1st Year

Artificial Intelligence in Education: Research Perspectives and Roadmap for Indian Higher Education

Artificial Intelligence (AI) is transforming global educational paradigms by enabling data-driven personalization, intelligent tutoring and research acceleration. In essence, AI applies algorithmsparticularly machine learning (ML) and natural language processing (NLP)to model complex educational data and provide actionable insights for effective teaching and learning (Luckin et al., 2016). Recent advances such as ChatGPT and adaptive Learning Management Systems demonstrate the feasibility of AI at scale, promising a new era of intelligent, inclusive and efficient education.

AI in Learning and Teaching: Evidence from Research

AI-enabled tools facilitate adaptive learning, where instructional content dynamically adjusts to each learner's profile. Studies show that adaptive systems improve learning outcomes by tailoring feedback and pacing (Tsai et al., 2019). For instance, adaptive LMS platforms use learner interaction data to recommend concept reinforcement or extension activities, thus supporting differentiated learning (Kerr, 2021).

Generative AI systems like ChatGPT represent a notable advancement in educational AI. By leveraging large-scale language models, these systems assist students in concept clarification, automated summarization and idea synthesis (Zhou et al., 2023). In research contexts, generative AI expedites the literature review process and suggests hypothesis frameworks, enabling researchers to focus on higher-order analytical tasks.

Learning analytics, another key AI application, involves mining large datasetsattendance logs, assignment submissions and quiz performanceto identify performance patterns. Predictive models trained on this data can anticipate academic risk, enabling early interventions (Siemens & Long, 2011). These insights empower faculty to design targeted instructional strategies, thereby enhancing retention and academic

success.

AI for Faculty Development and Research

AI not only influences student learning but also augments faculty productivity. Automated assessment tools reduce time spent on grading, freeing faculty for course design and mentorship. Additionally, AI-driven research platforms facilitate advanced data modeling, simulation and visualizationcritical in areas like smart grids, biomedical signal processing and behavioral analytics.

Research evidence indicates that AI integration in higher education fosters interdisciplinary research. For example, collaborations between AI and domain experts in engineering, healthcare and environmental sciences have led to high-impact publications and innovative prototypes, demonstrating the catalytic role of AI in scholarly output.

Challenges and Ethical Considerations

Despite its promise, AI in education raises concerns related to data privacy, algorithmic fairness and academic integrity (Williamson & Eynon, 2020). Ethical frameworks are essential to ensure that AI systems respect student autonomy and do not inadvertently reinforce biases in content recommendation or assessment outcomes.

Responsible adoption requires transparent AI architectures, clear data governance policies and ongoing faculty training. Incorporating AI literacy into curricula empowers students to critically engage with intelligent systems, preventing misuse and fostering ethical innovation.

Future Roadmap for AI in Indian Higher Education

India's higher education landscape is uniquely positioned for AI transformation, given its demographic dividend and expansion of digital infrastructure (Government of India, National Education Policy, 2020). A phased roadmap can include:

1. Capacity Building (Short-Term: 12 years):
Integrate AI literacy modules into undergraduate and postgraduate curricula.
Conduct faculty development programs (FDPs) on AI tools for teaching and research.
Deploy adaptive LMS and learning analytics pilots in select departments.

2. Institutional Integration (Mid-Term: 35 years):
Establish AI Resource Centres to support pedagogical integration and research computing.
Incentivise interdisciplinary AI research with seed grants and partnerships.
Develop institutional datasets (anonymized) for localized predictive modelling of student success.

3. Policy and Governance (Long-Term: 5+ years):
Formulate institutional AI ethics frameworks, encompassing data use, student consent and algorithmic transparency.
Collaborate with national research networks to share best practices and benchmarks.
Align with regulatory frameworks such as AI in Education guidelines by UGC/AICTE to ensure compliance and quality assurance.

Conclusion

AI is not just a technological augmentation; it represents a paradigm shift toward intelligent, personalized and research-driven education. Embracing AI responsibly can elevate the educational experience for learners and educators alike, enabling Indian institutions to produce globally competitive graduates and innovative research outputs. By aligning technological capability with ethical practice and institutional strategy, we can shape a future where AI empowers every learner and researcher to achieve their highest potential.

Prof. Sasanka Sekhar Dalai
Head of the Department, Electrical & Computer Engineering
Coordinator, R&D Cell
Gandhi Institute for Education and Technology (GIET), Baniatangi

Small Town, Big Dreams

Success is often associated with metropolitan cities, prestigious institutions and privileged backgrounds. Yet beyond the bright lights of big cities, in the quiet lanes of small towns, dreams are born with equal intensity sometimes even greater. I come from such a place, where opportunities may be limited but determination knows no limits.

Growing up in a small town teaches lessons that no textbook can offer. It teaches resilience. It teaches patience. It teaches the value of every small opportunity. In an environment where resources are scarce, ambition becomes stronger. When facilities are limited, creativity expands. And when competition feels intimidating, courage quietly grows within.

The journey from a small town to a professional academic environment is not just a change of location; it is a transformation of mindset. Entering college, I encountered students from diverse backgrounds, many with greater exposure and confidence. Initially, self-doubt raised difficult questions: Am I capable enough? Can I compete at this level?

Over time, however, I realized something profound. True capability is not determined by geography; it is shaped by perseverance. Confidence is not inherited from surroundings; it is built through consistent effort and belief.

Coming from a modest background instils a deep sense of responsibility. Behind every small-town student stands a family that has invested not just money but trust, sacrifice and hope. Their silent struggles become our motivation. Their belief becomes our strength. Success, therefore, is not merely a personal milestone; it becomes a shared achievement.

There were challenges along the way. Adjusting to a competitive academic culture required effort. Strengthening communication skills, adapting to new systems and overcoming hesitation demanded patience. Yet every obstacle became proof that progress, though gradual, is powerful.

One of the most valuable lessons I have learned is that comparison limits growth, while self-improvement fuels it. Instead of measuring my journey against others, I began focusing on becoming better than I was yesterday. Discipline replaced doubt. Consistency replaced fear. Gradually, confidence replaced hesitation.

In today's interconnected world, knowledge is no longer confined by location. The digital age has reduced geographical barriers, making opportunities accessible to those who are willing to learn. What truly distinguishes individuals is not where they come from but how committed they are to growth. A small town does not restrict potential; it strengthens character.

"Small Town, Big Dreams" is not merely a phrase; it is a philosophy. It represents the courage to aim high despite humble beginnings. It reflects the determination to rise beyond circumstances. It embodies the belief that origin does not define destiny.

I believe that the true measure of success is not how far we rise but how strongly we hold onto our values while rising. My journey is still unfolding and there is much more to achieve. However, one truth remains constant: my beginnings will always be my strength, not my limitation.

If my story inspires even one student to believe in their potential, then it serves its purpose. Because dreams do not ask where you are from; they only ask how badly you want them. And I want mine with unwavering determination.

In the end, it is not where you begin that defines you; it is how courageously you choose to move forward.

Saurav Kumar
B.Tech, CSE (3rd Year)

Seeds of Strategy

I was not raised in a boardroom. I was raised in fields where the first lesson in management was patience. Agriculture does not respond to urgency. It responds to planning. Seasons follow their own calendar. Soil demands care before it gives return. As I pursue my MBA today I realize that agribusiness carries some of the most powerful lessons for future managers.

When I was younger I watched farmers make decisions without spreadsheets or dashboards. They observed weather patterns studied soil texture calculated risk in their minds and diversified crops to reduce uncertainty. That was strategy. That was risk management. That was supply chain planning in its most practical form.

Today agriculture is no longer limited to traditional practices. Technology has entered the fields. Precision farming uses data analytics to monitor soil health. Drones assist in crop surveillance. Digital platforms connect farmers directly to markets reducing middle layers. Cold chain logistics enhance shelf life and reduce waste. Agribusiness has become a dynamic intersection of technology sustainability and management.

However the sector also faces complex challenges. Climate variability affects production cycles. Price volatility creates income uncertainty. Fragmented landholdings limit scalability. As future managers we must design systems that empower farmers rather than marginalize them.

One solution lies in cooperative models and farmer producer organizations. Collective bargaining increases market strength. Access to digital financial services improves transparency. Sustainable irrigation systems conserve resources while enhancing productivity. Innovation in agribusiness must align profitability with ecological responsibility.

Sustainability is not optional in agriculture. Soil degradation water scarcity and excessive chemical usage threaten long term food security. Managers entering the agribusiness domain must integrate environmental stewardship into operational strategy. Regenerative farming practices efficient supply chains and value addition at local levels can create inclusive growth.

I believe agribusiness represents an opportunity to blend tradition with transformation. Rural entrepreneurship Agri tech startups and farm to fork models are reshaping the sector. With strategic planning and responsible leadership agriculture can evolve from subsistence activity to competitive enterprise.

My journey as an MBA student has strengthened my conviction that management is not confined to corporate towers. It exists in rural landscapes where livelihoods depend on informed decisions and resilient systems.

The future of business is not only digital. It is agricultural.

And the seeds of tomorrow's leadership are already planted in our fields waiting for thoughtful managers to nurture them into sustainable growth.

Satya Prakash Chand
4th Semester (MBA)

Where Physics Meets the Human Heart

The universe moves in rhythm. Stars ignite and collapse. Waves rise and retreat. Energy travels endlessly through space in forms we can measure and forms we are still learning to understand. Inside the human heart, emotions move with a similar cadence. Joy radiates like light. Sadness pulls like gravity. Love binds hearts with a force no instrument can quantify.

Physics explains the motion of the cosmos. Emotions reveal the motion within us. When we look closely, we begin to see that the laws governing galaxies are quietly mirrored in human experience.

1. Energy: The Core of Everything

Modern physics tells us that everything is energy in different states. Matter is condensed energy. Light is radiant energy. Even empty space holds quantum fluctuations.

Human beings are also dynamic energy systems. The brain communicates through electrical impulses. Neurons fire in complex circuits, generating thoughts, memories and emotions. Hormones alter internal chemistry, creating shifts in mood and perception.

When we feel inspired, our internal energy rises. When we feel grief, it contracts. Just as energy in physics transforms from kinetic to potential, from heat to motion, emotional energy also changes form. Anger can transform into courage. Fear can transform into awareness. Love can transform into resilience.

Energy never disappears. It only changes state. The same is true for our emotional lives.

2. Vibrations and Feelings

At the microscopic level, atoms vibrate continuously. Sound travels as oscillations in air. Light behaves as a wave. Even the fabric of spacetime can ripple as gravitational waves. The universe is not static. It vibrates.

Emotions resemble this subtle oscillation. A joyful presence lifts the atmosphere of a room. Anxiety spreads tension. Compassion softens space between people. Though these vibrations are not captured by spectrometers, they are deeply felt.

Human interaction can be understood as resonance. When two frequencies align, they amplify each other. Likewise, when two individuals share understanding, their emotional states synchronize. Harmony is not accidental. It is alignment.

3. Attraction: The Invisible Pull

Gravity binds planets to stars. Electromagnetism shapes atoms and molecules. Without attractive forces, matter itself would not exist.

Human relationships mirror this phenomenon. We feel drawn toward certain individuals as if guided by an invisible vector. Shared values, common dreams and complementary strengths create social gravity.

Just as magnets align according to polarity, people connect through patterns of similarity and contrast. Attraction is not merely emotional. It is structural. It organizes our social universe much like gravity organizes the cosmos.

4. Action and Reaction

Newton's third law states that for every action, there is an equal and opposite reaction. In emotional life, this principle appears daily. Kindness often returns as kindness. Anger generates resistance. Encouragement produces confidence.

Our words and behaviours create forces within the social field. Emotional energy does not remain isolated. It propagates. A single compassionate act can initiate a chain reaction extending far beyond its origin.

Human systems obey feedback loops just as physical systems do.

5. Balance and Stability

Physics teaches equilibrium. Structures remain stable when forces are balanced. Excessive pressure causes fracture.

Similarly, emotional equilibrium determines psychological resilience. Chronic stress creates internal strain much like mechanical stress in materials. Emotional regulation functions as a stabilizing force, allowing individuals to withstand external turbulence.

Balance is not the absence of force. It is the intelligent distribution of it.

Physics shows us how the universe moves. Emotions reveal why that motion matters. We are not separate from cosmic law. We are expressions of it.

To understand gravity is to understand attachment. To understand energy is to understand transformation. To understand equilibrium is to understand peace.

In every heartbeat, the universe echoes.

Shaktiman Tripathy
Assistant Professor
Department of BSH

The Importance of Studying Spectroscopy

Spectroscopy is one of the most powerful analytical tools in modern science. It is the study of the interaction between matter and electromagnetic radiation. By examining how substances absorb, emit or scatter light, spectroscopy allows scientists to understand the structure, composition and behaviour of matter at atomic and molecular levels. It serves as a bridge between theoretical science and practical application.

One of the primary reasons for studying spectroscopy is substance identification. Every element and compound possesses a unique spectral signature, similar to a fingerprint. By analysing these spectral patterns, scientists can accurately identify unknown materials. This capability is essential in chemical laboratories,

forensic investigations, environmental monitoring and even in the detection of elements in distant celestial bodies.

In chemistry, spectroscopy plays a central role in structural determination and chemical analysis. It provides information about molecular geometry, bonding patterns, functional groups and reaction mechanisms. Techniques such as UVVisible spectroscopy, Infrared spectroscopy, Nuclear Magnetic Resonance and Mass Spectrometry are indispensable in confirming molecular structures and ensuring compound purity. Without spectroscopic methods, modern chemical research, pharmaceutical development and industrial quality control would be extremely challenging.

In physics, spectroscopy contributes significantly to understanding atomic structure and energy transitions. Spectral lines provide direct evidence for quantized energy levels and electron transitions, which form the foundation of quantum mechanics. Many fundamental principles of atomic theory have been experimentally validated through spectroscopic measurements.

The importance of spectroscopy extends into medicine and biology. In medical diagnostics, techniques based on spectroscopic principles such as MRI enable non-invasive imaging of internal organs with high precision. In biochemistry, spectroscopy is used to study proteins, enzymes, nucleic acids and metabolic pathways. These applications are vital for drug development, disease diagnosis and understanding cellular processes.

Environmental science also relies heavily on spectroscopic techniques. Spectroscopy is used to detect trace pollutants in air, water and soil. It enables precise measurement of harmful substances, ensuring compliance with environmental regulations and promoting sustainable practices.

In astronomy, spectroscopy is indispensable. By analysing the spectra of stars and galaxies, astronomers can determine their chemical composition, temperature, motion and distance. This has helped scientists understand stellar evolution, galactic formation and the expanding universe. Spectroscopy allows us to study objects that are millions of light-years away without physically reaching them.

In conclusion, studying spectroscopy is essential because it unlocks the invisible world of atoms and molecules. It connects theoretical concepts with real-world applications across chemistry, physics, biology, medicine, environmental science and astronomy. For students and researchers, spectroscopy is not merely a subject but a fundamental tool that expands our ability to analyse matter, innovate technology and deepen our understanding of the universe.

Sipramayee Sathpathy
Assistant Professor
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Smart Grid: The Future of Energy

A Smart Grid is an advanced power system that integrates traditional electricity networks with digital communication, automation and data analytics technologies. Unlike conventional power systems, which operate in a one-way flow from generation to consumers, Smart Grids enable two-way communication between utilities and users, creating a more intelligent, responsive and efficient energy infrastructure.

Through the deployment of smart meters, advanced sensors, phasor measurement units and intelligent control devices, Smart Grids provide real-time monitoring of power flow, voltage stability and equipment health. This continuous monitoring allows faster fault detection, automated isolation of faulty sections and self-healing capabilities, which significantly reduce power outages and improve reliability.

One of the most important features of a Smart Grid is its ability to integrate renewable energy sources such as solar and wind power on a large scale. Renewable sources are inherently variable and unpredictable. Smart Grids use advanced forecasting, load balancing and energy management systems to maintain grid stability while accommodating this variability. This makes the transition toward clean energy more feasible and sustainable.

Smart Grids also enable demand-side management, where consumers actively participate in energy optimization. Through dynamic pricing, real-time consumption data and tomated load control systems, users can adjust their electricity usage during peak hours. This reduces strain on the grid, lowers operational costs and enhances overall efficiency.

Energy storage systems, electric vehicles, distributed generation, microgrids and smart city infrastructure further strengthen the Smart Grid ecosystem. These technologies allow decentralized power generation, improved energy resilience and enhanced grid flexibility.

By reducing transmission losses, improving billing accuracy and optimizing energy flow, Smart Grids contribute to a cleaner, more reliable and economically efficient energy future. In countries like India, initiatives under the National Smart Grid Mission aim to modernize the power infrastructure through digital substations, advanced metering infrastructure and grid automation projects.

In conclusion, the Smart Grid represents a transformative shift from conventional power systems to an intelligent, adaptive and sustainable energy network. With capabilities such as real-time monitoring, automated fault management, renewable integration and consumer participation, Smart Grids are essential for meeting future energy demands.

For electrical and automation engineers, this field offers immense career opportunities in grid analytics, cybersecurity, renewable integration, smart metering systems and energy management solutions. As global energy demand continues to grow, Smart Grid technology will play a central role in building a resilient and sustainable power ecosystem.

Rajkishor Kumar
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Smart Laptop Startup Alert System
A Practical Cybersecurity Innovation Using Python and IP-Based Geolocation

In the modern digital era laptops have become personal vaults. They store academic projects research data professional documents financial information and private communications. While passwords and antivirus software provide a basic level of protection they are often insufficient when a device is physically stolen or accessed without permission. Recognizing this vulnerability the Smart Laptop Startup Alert System was developed as a simple yet effective security enhancement using Python and IP-based geolocation tracking.

The Core Idea

The primary objective of this system is straightforward: whenever the laptop is powered on an automatic email alert is sent to the registered owner. This notification provides immediate awareness that the device has been accessed.

The alert email includes:

- Exact date and time of startup
- Public IP address of the device
- City state and country information
- Latitude and longitude coordinates
- A direct Google Maps link for quick visualization

This feature transforms a passive device into an active self-reporting security system.

System Architecture and Working Mechanism

The system operates through a Python script configured to run automatically at system startup. Once triggered the script performs the following sequence:

1. Internet Connectivity Check
The script confirms network availability to ensure successful data retrieval and email transmission.
2. IP and Location Retrieval
Using the ipinfo.io API the system fetches the device's public IP address and corresponding geographic information.
3. Data Processing
The API response is parsed to extract city region country and coordinate values.
4. Google Maps Link Generation
A clickable map URL is created using the latitude and longitude values for convenient location tracking.
5. Email Notification
The system uses Python's smtplib and email.message modules to securely send the alert via Gmail SMTP over SSL encryption.

The entire process executes within seconds ensuring near real-time notification.

Technologies Utilized

The project integrates multiple technologies to create a cohesive solution:

- Python Programming Language
- requests library for API communication
- smtplib and email.message for email automation
- ipinfo.io API for geolocation services
- Gmail SMTP server for secure email delivery

This combination demonstrates how networking automation and cybersecurity concepts can be practically implemented using accessible tools.

Practical Relevance

The Smart Laptop Startup Alert System addresses a common security concern in academic and professional environments. In case of theft or unauthorized access the owner receives immediate evidence of system activation. Even though IP-based location tracking provides approximate positioning rather than exact GPS precision it significantly increases the chances of identifying suspicious activity.

For students especially those in electronics communication and computer science disciplines this project bridges theoretical learning with real-world application. It integrates programming networking and security fundamentals into a functional product.

Advantages

- Instant startup monitoring
- Lightweight implementation with minimal resource usage
- Easy configuration and deployment
- Cost-effective compared to commercial tracking software
- Enhances digital security awareness

Limitations

- Location accuracy depends on IP geolocation which may not be exact
- Requires active internet connectivity
- Email alerts may fail if SMTP credentials are misconfigured

Despite these constraints the system remains a valuable preventive and monitoring tool.

Future Enhancements

The project has significant scope for expansion including:

- Automatic webcam image capture at startup
- SMS alert integration using Twilio API
- Cloud-based event logging for multiple devices
- GPS module integration for higher precision
- Two-factor startup authentication

Such upgrades could transform the system into a comprehensive anti-theft and monitoring framework.

Conclusion

The Smart Laptop Startup Alert System illustrates how a relatively simple software solution can meaningfully enhance device security. By combining Python automation networking APIs and secure communication protocols the project demonstrates innovation grounded in practicality.

In an age where data is more valuable than hardware proactive security mechanisms like this are no longer optional but essential. This initiative reflects how engineering knowledge when applied creatively can address everyday cybersecurity challenges effectively and efficiently.

Rahul Kumar
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Department of ECE

SOFT SKILLS

Soft skills are often described as “people skills.” The term refers to personal attributes that reflect a high level of emotional intelligence. Unlike hard skills, which represent technical knowledge and the ability to perform specific tasks, soft skills are broadly applicable across job roles, industries and professions.

Soft skills include character traits, interpersonal abilities, communication competence, social awareness, emotional intelligence and professional behavior. They define how individuals interact, collaborate and build relationships with others. In essence, soft skills shape the quality of our professional and personal engagements.

This raises an important questionwhy are soft skills so important?

In today's dynamic world, individuals must interact with diverse groups of people across various environments. The ability to work harmoniously with others while maintaining a positive attitude is essential for long-term success. However, the importance of soft skills is often underestimated and formal training in these areas remains limited. Yet employers consistently emphasize qualities such as effective communication, conflict resolution, teamwork, customer orientation and ethical work behavior.

Developing strong soft skills enhances employability and workplace compatibility. For a competency to be considered a soft skill, it generally possesses three key characteristics:

1. No fixed rules: Soft skills are context dependent. They vary according to emotional states, cultural backgrounds, situational factors and interpersonal dynamics.
2. Portability: Soft skills are transferable across professions and industries. As long as a career involves human interaction, these skills remain valuable.
3. Continuous development: Mastery of soft skills is an ongoing process. New experiences, new teams and new challenges constantly test and refine them.

Major areas of soft skills development include:

Emotional Intelligence
Problem Solving
Presentation Skills
Time Management
Interpersonal Skills
Leadership and Management
Business Etiquette
Communication Skills

Among these, communication, teamwork, problem solving, leadership and strong work ethic are consistently ranked as the most in-demand competencies.

Unlike technical abilities, soft skills are difficult to quantify. Hard skills can be assessed through examinations or certifications. Soft skills, however, are demonstrated through behavior, attitude and response. It is easy to measure mathematical ability but far more challenging to measure creativity, empathy, diplomacy or adaptability.

In the era of automation and artificial intelligence, technical tasks can increasingly be systemized. Soft skills remain uniquely human. They define leadership, innovation, resilience and collaboration.

Let us therefore commit ourselves to continuous improvement in these areas. The world today demands not only knowledgeable individuals but emotionally intelligent and socially competent professionals.

Communication SkillsThe Foundation of All Soft Skills

Communication is the cornerstone of every other soft skill. It builds confidence, fosters relationships and creates opportunities. Step out of your comfort zone, break the ice and strengthen your ability to express ideas clearly and respectfully.

Success in this challenging world depends not only on what you know but also on how effectively you connect.

Prof. Jagannath Pradhan
Dept. of BSH

The Spark of Success

Arjun stood before the towering electrical control panel in the campus workshop, his reflection faintly visible on its metallic surface. As a Diploma student in Electrical Engineering, he had learned that electricity is invisible yet immensely powerful. It does not forgive carelessness. It demands knowledge, discipline and respect.

Today was his final practical examination. His task was to wire and commission a three-phase motor control circuit from scratch. No shortcuts. No second chances.

Spread across the workbench were red, blue and yellow conductors, contactors, overload relays, push buttons, timers and terminal blocks. To an outsider, it looked like confusion. To Arjun, it was a system governed by logic, sequence and flow. Every component had a purpose. Every connection carried responsibility.

With the wiring diagram fixed in his mind, he began methodically. He measured conductor lengths, stripped insulation with precision, crimped lugs firmly and tightened terminal screws to proper torque. Phase lines were connected carefully. Control wiring was separated neatly from the power circuit. He ensured proper earthing and checked alignment twice before proceeding.

When the moment of testing arrived, he pressed the green Start push button.

Pop.

The fuse blew instantly.

A sharp silence filled the workshop. His heartbeat grew louder than the noise of the failure. A short circuit in the final exam could mean failure. For a second, doubt tried to enter his mind.

But engineering is not about avoiding problems. It is about solving them.

Arjun picked up his digital multimeter and began systematic troubleshooting. He checked supply continuity. He verified the control circuit loop. He tested insulation resistance. He traced each conductor carefully, following the logical sequence of current flow from source to load.

Minutes felt like hours.

Then he found it.

Behind the main switch, two stripped conductors were making unintended contact. A small oversight. A big consequence. He corrected the wiring, separated the conductors, insulated them properly and rechecked all terminal tightness. This time, nothing was left to chance.

He reset the breaker.
Took a steady breath.
Pressed the Start button again.

Whirrr.

The motor came alive. Smooth rotation. No vibration. No abnormal sound. The overload relay indicator remained stable. The green pilot lamp glowed confidently. The circuit was functioning exactly as designed.

His instructor walked over, examined the panel wiring layout and testing procedure. He nodded approvingly.

"Excellent troubleshooting and clean execution," he said.

In that moment, Arjun understood something deeper.

Success is not the absence of failure. It is the ability to remain calm when systems collapse. It is the discipline to diagnose before reacting. It is the courage to trust your training when pressure rises.

He had not just wired a motor control circuit. He had mastered the flow of energy through logic, precision and patience.

The real spark of success was not in the glowing indicator lamp.

It was in the confidence that now flowed within him.

Soumya Ranjan Dash
Diploma, 2nd Year, EE

FROM CLASSROOM TO STARTUP: THE ENTREPRENEURIAL JOURNEY OF GIET STUDENTS

"₹47. That's all I had left on the 20th of the month."

I stared at my UPI balance in the college canteen as friends laughed, ordered snacks and enjoyed the moment. I was stuck in a familiar patternspending without awareness and regretting without change.

That evening in May 2025, something shifted. I did not feel unlucky. I felt responsible. Not for having less money but for never learning how to manage it.

That realization became the seed of NidhiSetu.

The Problem Every Student Knows

College life swings between comfort and constraint. At the beginning of the month, money feels like freedom. By the end, every expense demands calculation.

When I asked friends:

"Do you want to save money?" Yes.
"Are you saving consistently?" No.

The problem was not income. It was behaviour. Students did not need complex tools. They needed structure and simplicitya system built for student life.

NidhiSetu was created to help students build saving habits through small consistent actions.

From Idea to Validation

On 8 October 2025, I circulated a Google Form about student financial habits. Over 150 responses came inhonest and practical.

Students were not careless. They were unsupported.

Not everyone believed in the idea. Some dismissed it. Some said saving was not urgent. Rejections forced me to question myself. Fear was realfear of failure, of wasting time, of being wrong.

Then my co-founder joined. I focused on validation and vision while he built the technical foundation. Progress was slow. Features failed. Systems broke. Many days showed no visible success.

But we continued.

When Theory Became Reality

A month ago, we tested our MVPthe Minimum Viable Product.

It worked.

Not perfectly but meaningfully. Students began saving consciously. Behaviour started shifting.

Some users left after one attempt. That was our lessonwe had to build more value. We were not just building software. We were building trust.

Officially Registered

Recently, NidhiSetu was officially registered as a company.

Registration was not an achievement alone. It was responsibility. It marked commitmentto solve a real problem and to build something sustainable.

What Entrepreneurship Truly Teaches

Entrepreneurship teaches what classrooms cannotownership, uncertainty and resilience.

It teaches persistence when nothing works.
It teaches clarity amid doubt.
It teaches that action matters more than perfection.

The right co-founder made all the difference. Startups are built on shared belief.

From Student to Builder

I still attend classes and submit assignments. I am still a student.

But now, I am also a builder.

NidhiSetu began not with funding or experience but with awareness and decision.

Entrepreneurship does not wait for readiness. It begins when someone chooses to start.

What started with ₹47 and a moment of realization is now a registered startup built by students for students.

And this journey has only begun.

Subhankar Gaen
B.Tech, 2nd Year, CSE

Sustainability and Environmental Responsibility in Modern Management

Sustainability and environmental responsibility are no longer optional discussions limited to global forums. They have become central to business strategy governance and long term organizational survival. As an MBA student I view sustainability not merely as an environmental concern but as a strategic responsibility that determines the future relevance of organizations.

The environment forms the foundation of economic activity. Natural resources energy water and raw materials drive production systems across industries. However excessive consumption unsustainable extraction and inefficient waste management have placed immense pressure on ecological balance. Climate change rising temperatures and resource scarcity clearly indicate that development without responsibility leads to long term instability.

Modern management must therefore adopt a forward looking perspective. Short term profit maximization cannot justify environmental degradation. Sustainable business models integrate environmental considerations into core decision making processes. Energy efficient operations renewable energy adoption and carbon emission reduction should be treated as strategic investments rather than additional expenses. These initiatives enhance resilience strengthen brand reputation and reduce regulatory risk.

Technology plays a transformative role in advancing environmental sustainability. Data analytics can monitor resource utilization with precision. Smart supply chains improve transparency and minimize wastage. Green innovations such as biodegradable packaging and circular production systems significantly reduce ecological impact. However the effectiveness of these technological tools depends on strong leadership commitment and ethical governance.

Corporate responsibility also extends beyond internal operations. Organizations influence communities consumers and industry standards. Sustainable sourcing fair trade practices and responsible waste disposal systems contribute to broader environmental protection. When companies prioritize ecological balance they build trust with stakeholders and strengthen long term credibility.

Environmental sustainability is closely linked with social responsibility. Pollution and climate change often affect vulnerable communities disproportionately. Resource scarcity can intensify inequality and economic instability. Managers must therefore consider environmental justice while designing policies and strategies. Inclusive growth requires protecting both people and the planet.

During my MBA journey I have realized that sustainability demands a shift in managerial mindset. It requires collaboration innovation accountability and continuous improvement. Businesses must transition from linear models of production and consumption to regenerative systems that restore rather than deplete natural resources.

Protecting the environment is not a limitation on growth. It is a pathway to stable and responsible development. As future leaders we must ensure that progress today does not compromise opportunities for tomorrow.

Jeevan Kumar Sethy
4th Semester (MBA)

Sustainable Strategies for Tomorrow's Organizations

The concept of success in management is evolving. Earlier it was measured primarily through revenue growth market expansion and competitive dominance. Today success carries a broader meaning. It includes sustainability ethical governance and long term stakeholder value. As an MBA student I have come to understand that sustainable strategy is not an alternative approach. It is the future of management.

Organizations operate within complex ecosystems. Every decision influences employees customers communities and the environment. Strategic planning therefore requires systems thinking. A production increase may improve short term profits yet also increase resource consumption. A marketing campaign may expand reach yet influence societal behavior. Responsible managers evaluate these interconnected

impacts before implementation.

Sustainability in management extends beyond environmental protection. It involves building resilient business models capable of adapting to uncertainty. Climate change supply chain disruptions and technological volatility demand proactive planning. Integrating renewable energy adopting efficient resource utilization and reducing waste are strategic measures that enhance operational stability.

Technology plays a critical role in enabling sustainable practices. Data analytics monitor energy consumption. Digital supply chains enhance transparency. Automation reduces material wastage. However managerial oversight ensures these technologies are aligned with ethical standards. Data privacy cybersecurity and fair access must remain central to digital transformation efforts.

Leadership grounded in human values strengthens sustainable strategy. Employees are more engaged when organizations demonstrate social responsibility. Inclusive policies promote diverse perspectives which lead to innovative solutions. Transparent governance builds investor confidence. Trust becomes a competitive advantage that supports long term growth.

One important lesson I have learned during my MBA journey is that sustainability requires collaboration. Partnerships with local communities research institutions and industry networks create shared value. Collective innovation often produces solutions that individual entities cannot achieve alone.

Financial performance and sustainability are not opposing forces. When integrated effectively they reinforce each other. Energy efficient processes reduce costs. Ethical branding enhances customer loyalty. Responsible investment attracts global capital. Sustainable management therefore represents strategic intelligence rather than moral obligation alone.

As I prepare for my professional career I aspire to contribute to organizations that balance ambition with accountability. The future demands leaders who can analyse data anticipate risks and make decisions guided by integrity.

True progress lies not only in scaling operations but in creating impact that endures. Sustainable strategies ensure that growth today does not compromise opportunity tomorrow.

Preeti Patra
4th Semester (MBA)

Technology and Smart Materials for Smart Structures in the Future

The future of civil engineering lies in the development of smart structuressystems that do more than simply resist loads. These next-generation structures are designed to sense, analyse and respond to their environment in real time. By integrating advanced materials with digital technologies, we are moving from passive infrastructure to intelligent adaptive systems.

Traditional buildings and bridges were designed primarily to withstand static and dynamic loads. Their role was resistance. In contrast, smart structures possess an embedded "nervous system" composed of sensors, actuators, control units and communication networks. This integrated system enables continuous monitoring of stress, temperature, vibration, strain and damage. The structure does not merely endure forces. It perceives them, evaluates them and reacts accordingly.

At the core of this transformation are smart materials. These materials respond actively to external stimuli such as stress, temperature, electric fields or magnetic fields.

Self-sensing concrete is one example. By incorporating conductive fibres or nanomaterials, it can detect its own cracks and structural degradation. Shape memory alloys can return to their original form after deformation, making them highly effective in seismic-resistant construction and morphing aerospace structures. Piezoelectric materials convert mechanical energy into electrical signals, allowing real-time structural health monitoring and vibration control. Magnetorheological fluids change viscosity under magnetic fields, providing adaptive damping in bridges and high-rise buildings. Self-healing polymers and bio-inspired concrete extend service life by autonomously repairing microcracks.

When these materials are integrated with sensor networks, Internet of Things platforms, edge computing and artificial intelligence, the result is a responsive ecosystem. Real-time data acquisition allows predictive maintenance rather than reactive repair. Building Information Modelling further enhances lifecycle management by integrating material performance data with digital structural models.

Smart structures are already being applied in earthquake-resistant buildings, adaptive bridges, high-performance aerospace systems and critical infrastructure networks. Their ability to reduce structural failure risk, improve durability and optimize maintenance schedules significantly enhances long-term safety and economic efficiency.

Despite their advantages, challenges remain. High initial costs, technological complexity and the need for interdisciplinary expertise limit widespread adoption. However, ongoing research in nanotechnology, computational intelligence and sustainable materials is steadily reducing these barriers. As urbanization intensifies and environmental risks increase, resilient adaptive infrastructure will become not a luxury but a necessity.

The promise of smart structures is profound. They represent a shift from designing systems that merely withstand forces to systems that understand and respond to them. By combining smart materials, digital intelligence and advanced engineering principles, we are building infrastructure that is safer, more sustainable and more resilient.

The future of civil engineering will not be defined only by strength but by intelligence. Smart structures will reshape how we design, construct and maintain the built environment, transforming cities into responsive living systems prepared for the challenges of tomorrow.

Dr. Chitaranjan Dalai
Head, Department of Civil Engineering

The Day Data Spoke Back

I used to believe management was about control. Control over costs. Control over processes. Control over outcomes. Then I chose technology management as my specialization and realized something uncomfortable. In the digital age control is an illusion. What truly matters is interpretation.

It happened during a live analytics simulation in our lab. We were given real time consumer data from a retail platform and asked to make strategic decisions within limited time. Dashboards flashed trends. Heat maps shifted every few seconds. Customer sentiment scores fluctuated unpredictably.

For the first time I felt data speaking back.

Our team initially focused only on revenue optimization. We pushed dynamic pricing recommendations and targeted premium segments. Sales improved momentarily. Then churn rates increased. Social media sentiment declined. Complaints about unfair pricing patterns began appearing in the dataset.

Technology had executed our strategy perfectly. The flaw was not in the system. It was in our perspective.

That day I understood that technology amplifies managerial intent. If the intent is short term profit the system scales short term consequences. If the intent includes fairness transparency and sustainability the system scales trust.

As postgraduate management students we stand at an unusual intersection. We are not pure technologists nor traditional administrators. We are translators between systems and society. We interpret technological capability through the lens of ethics strategy and long term value creation.

Digital tools offer extraordinary power. Artificial intelligence predicts demand with precision. Automation reduces operational inefficiencies. Blockchain ensures traceability across supply chains. Yet each tool carries embedded assumptions shaped by the people who deploy them.

Sustainability adds another layer of responsibility. Rapid digital expansion increases energy consumption and electronic waste. Platform economies reshape labour markets. If managed carelessly innovation can intensify inequality. If guided thoughtfully it can enhance inclusion and resilience.

What fascinates me about technology management is not the hardware or the code. It is the decision architecture behind them. Who designs the algorithm. What metrics define success. Which stakeholders are prioritized in optimization models.

Human values must be embedded in key performance indicators. Employee wellbeing should be tracked alongside productivity. Carbon footprint should appear next to revenue growth. Customer trust should be measured as carefully as market share.

In that analytics lab I learned a lesson no textbook could fully convey. Technology does not remove responsibility from managers. It increases it.

Data will always speak.

The real leadership test is whether we are willing to listen beyond numbers and hear the human story within them.

-Dipanjaya Tripathy
2nd Semester (MBA)

The Day I Froze on Stage

The college campus buzzed with energy on that bright winter morning. The inter-department debate competition was about to begin and for the first time my name was on the list of participants. I was going to speak in front of friends seniors and professors. The thought alone made my heart race.

I had prepared for days. I structured my arguments timed my speech and practiced in front of the mirror until I could almost deliver it without thinking. On my way to the auditorium I whispered the lines under my breath like a secret mantra. I believed I was ready.

But preparation feels different when you are standing backstage waiting for your name to be called.

My palms were damp. My throat felt dry. My legs trembled slightly. Still I told myself again and again you can do this.

Then my name echoed through the hall.

I walked onto the stage forcing a small smile gripping the microphone the way confident speakers do. I looked at the audience.

And everything blurred.

My mind emptied itself in an instant. The carefully memorized introduction vanished. The powerful opening line disappeared. I opened my mouth but only silence came out. A faint shaky breath followed. I managed a few broken sentences but my voice cracked and the words felt disconnected from thought.

I froze.

After what felt like an eternity I stepped away from the microphone and returned to my seat. I had not finished. I had not even begun properly. The weight of disappointment settled heavily on my chest.

But what happened next changed everything.

One of the judges approached me with a calm reassuring smile. “It's alright,” she said gently. “Standing on that stage takes courage. Many never even try. You did. That itself matters. Next time take a deep breath and try again.”

Other teachers nodded in encouragement. A few offered soft applause. My friends patted my back and reminded me that bravery is not the absence of fear but the decision to face it.

That moment of support meant more than any trophy.

I did not win the debate that day. But I gained something far more valuable. I learned that failure is not falling short. It is refusing to rise again.

That day did not define me as someone who froze. It shaped me into someone who will return stronger.

Now I know I will stand on stage again. My voice may tremble. My hands may shake. But I will not walk away from fear. Because sometimes the greatest victory is not speaking perfectly. It is speaking again.

Adity Kumari
Diploma 3rd Year
Mechanical Engineering

The Day I Learned to Speak Without Apology

I used to rehearse my thoughts long before I spoke them. In classrooms, meetings and group discussions, my ideas waited patiently in my notebook while louder voices filled the air. It was not that I lacked opinions; I simply feared taking up space. Somewhere along the way, I learned that silence was safer than being wrong.

That changed during a group presentation in my second year.

We were assigned roles and without much discussion, I was given the task of designing the slides. It felt familiarimportant, yet invisible. When I suggested a different structure for the presentation, the room went quiet for a moment before someone said, “Let's stick to what usually works.” I nodded, even though I knew the idea could improve our work.

That evening, I stayed back in the library, staring at my notes. I realized that my hesitation was not humility; it was habit. I had been managing my presence rather than my potential.

The next day, something shifted.

When our presentation began to drift, I raised my hand. My voice trembled, but it did not break. I explained my perspective calmly, supported it with logic and waited. This time, the silence felt different. It was not dismissalit was attention.

To my surprise, the group listened.

We adjusted our approach. The presentation improved. More importantly, I felt something settle inside mea quiet confidence that did not demand approval. I had not spoken to prove myself. I had spoken because the idea mattered.

Since then, I have learned that leadership does not always arrive with certainty. Sometimes it begins with discomfort. Confidence grows not when fear disappears, but when we decide it will not decide for us.

As a student, I am still learning. I still hesitate. But I no longer apologize for having a voice. I understand now that speaking up is not about dominance; it is about responsibility. If I do not share what I know, I am withholding valuenot just from others, but from myself.

That day did not make me fearless.

It made me honest.

And that, I have learned, is where growth truly begins.

-Suhasi Parida
2nd Semester MBA (2025-27)

The Divine Evolution of the Obstacle-Remover (2.23.1)

“We invoke You O Ganapati the leader of hosts the seer among seers the most renowned lord of wisdom. O Brahmanaspati hear us and dwell in our consciousness.”

In the vast continuum of Indian spiritual thought Lord Ganesha stands as one of the most loved and philosophically profound deities. Recognizable by his elephant head serene expression and rounded form he is worshipped as Vighnaharta the remover of obstacles and the lord of auspicious beginnings. Behind this familiar image lies a deep historical evolution that stretches from the Vedas to modern devotional practice.

Vedic Ganapati: The Cosmic Principle

Long before the Puranic narratives shaped the elephant-headed form Ganapati appears in the Rigveda as a divine principle associated with Brahmanaspati also known as Brihaspati. In this early context Ganapati is not depicted visually but invoked as the leader of groups the master of sacred speech and the organizing intelligence behind ritual order. He embodies clarity disciplined articulation and spiritual authority.

The Vedic Ganapati represents leadership at a metaphysical level. He governs collective consciousness harmonizes energies and presides over sacred invocations. His presence in the earliest scriptures shows that the essence of Ganesha is rooted in philosophical abstraction rather than mythology alone.

Transformation in the Epic and Puranic Age

As Hindu thought evolved narrative imagination enriched philosophical symbolism. During the Mahabharata era Ganesha emerges as the divine scribe chosen by Sage Vyasa to record the epic. When his stylus broke he broke his own tusk to continue writing. This act symbolizes intellectual sacrifice discipline and commitment to knowledge.

By the Gupta period his iconography had crystallized. Temple carvings depict the elephant head single tusk large ears and pot belly establishing a form that merged Vedic abstraction with devotional accessibility. Thus the subtle Vedic Ganapati gradually became the Puranic Ganesha without losing philosophical depth.

Decoding the Symbolism

Every feature of Ganesha's form carries meaning. His elephant head represents expansive wisdom and perceptive intelligence. Large ears teach attentive listening. Small focused eyes signify concentration. The curved trunk demonstrates adaptability able to handle complexity and delicacy alike.

The mouse as his vehicle symbolizes restless human desire. By riding it Ganesha signifies mastery over impulses. His rounded belly reflects contentment and the ability to digest pleasure and adversity with balance. The

broken tusk stands for sacrifice in service of dharma and higher purpose.

Ganesha becomes not merely an object of devotion but a philosophical guide from instinct to intellect and from ego to enlightenment.

Spiritual Anatomy and Vedic Insight

In every Hindu ritual Ganesha is invoked first. He presides over the Muladhara Chakra the root energy centre associated with grounding stability and survival instinct. Without grounding there can be no ascent toward higher awareness. Invoking Ganapati symbolizes aligning foundational energy before action.

Modern science recognizes the gut-brain axis as central to emotional regulation and instinctive intelligence. Ancient Vedic thought linking Ganesha with the root centre reflects a profound intuitive understanding of stability as the base of clarity.

Cultural Renaissance and Modern Relevance

In the nineteenth century Bal Gangadhar Tilak transformed Ganesh Chaturthi into a public celebration that united communities during colonial rule. The festival became a vehicle for social cohesion and cultural awakening. Today it embraces eco-friendly practices and environmental awareness.

In an age of rapid change Ganesha's message of grounding wisdom adaptability and humility remains relevant. He reminds society that progress without inner stability leads to imbalance.

Ganapati Beyond the Idol

From Vedic invocation to epic narrative from temple sculpture to public festival Ganesha's journey illustrates the dynamic evolution of spiritual symbolism. He represents the intelligence that initiates action the clarity that removes confusion and the humility that sustains growth.

To invoke Ganapati is to awaken the remover of obstacles within oneself and to cultivate balance before ambition wisdom before power and compassion before success.

Om Ganeshaya Namah.

Dr. Laxman Kumar Sahoo
Dept. of Mechanical Engineering

The Four Noble Truths

In a world obsessed with progress and productivity, suffering often feels like a personal failure rather than a shared human condition. Academic pressure teaches us to relate worth with achievement, career anxiety ties identity to stability we can't fully control, and social expectations quietly dictate how success, love, and happiness should look. Against that backdrop, suffering isn't just painful—it's confusing. Why am I struggling when I'm doing what I'm supposed to do? Over 2,500 years ago, Siddhartha Gautama, known as the Buddha, confronted these same questions and offered a framework that remains deeply practical today: The Four Noble Truths. Rather than religious dogma, these truths function as a philosophical and psychological guide to understanding life, suffering, and freedom.

1. The Truth of Suffering (Dukkha)

The first Noble Truth acknowledges a simple but uncomfortable fact: life involves suffering. The Buddha used the word dukkha, often translated as suffering, but its meaning is broader. It includes obvious painsuch as illness, aging, loss and deathbut also subtle dissatisfaction. Even moments of happiness carry an underlying unease, because they are temporary.

Pleasure fades, relationships change, achievements lose their thrill and nothing remains fixed. This temporariness creates a sense of incompleteness. Importantly, Buddhism does not claim life is only suffering; rather, it points out that ordinary happiness alone cannot provide lasting fulfillment. Recognizing this truth is not pessimisticit is honest. Only by seeing the problem clearly can we begin to address it.

2. The Truth of the Cause of Suffering (Samudaya)

The second Noble Truth explores why suffering exists. According to the Buddha, the primary cause is craving (tanha): the constant desire for pleasure, success, recognition, permanence, or escape from pain.

Craving appears in three main forms:

- Desire for sensory pleasure
- Desire for existence or identity ("I must become something")
- Desire for non-existence or escape ("I want everything to stop")

Underlying these cravings are greed, anger and ignoranceespecially ignorance about the nature of reality and the self. We tend to see ourselves as separate, fixed and more important than others. This distorted self-view fuels attachment and frustration. When reality does not match our expectations, suffering follows.

Buddhism explains suffering not as divine punishment or fate, but as a natural result of mental habitsmuch like cause and effect in physics.

3. The Truth of the Cessation of Suffering (Nirodha)

The third Noble Truth offers hope: suffering can end. If suffering arises from craving and confusion, then eliminating these causes leads to freedom. This state of freedom is called Nirvananot a place, but a condition of deep peace, clarity and liberation from mental suffering.

Nirvana is achieved when craving, ignorance and attachment are extinguished. It represents the end of the endless cycle of dissatisfaction. Unlike temporary happiness, this freedom is stable and lasting. The Buddha emphasized that liberation is not a matter of belief, but of direct understanding and inner transformation.

4. The Truth of the Path (Magga)

The fourth Noble Truth outlines how suffering can be

ended. Known as the Noble Eightfold Path, it represents the "Middle Way," avoiding extremes of indulgence and self-denial. The path is divided into three areas: wisdom, ethical conduct and mental discipline.

The Eightfold Path includes:

1. Right View understanding reality and the Four Noble Truths
2. Right Intention cultivating thoughts of kindness and non-harm
3. Right Speech speaking truthfully and compassionately
4. Right Action behaving ethically
5. Right Livelihood earning a living without causing harm
6. Right Effort developing positive mental states
7. Right Mindfulness awareness of body, feelings and thoughts
8. Right Concentration deep focus through meditation

This path is practical and gradual. It encourages self-awareness, ethical living and mental clarityskills especially valuable in modern life.

Why the Four Noble Truths Matter Today

What makes the Four Noble Truths timeless is their relevance to everyday experience. Stress, comparison, anxiety and dissatisfaction are common among students and professionals alike. Buddhism does not ask us to reject life, but to understand it more clearly. By recognizing impermanence, questioning unhealthy desires and cultivating awareness and compassion, we reduce unnecessary suffering.

Ultimately, the Four Noble Truths invite us to look inward. They remind us that while we cannot control everything around us, we can transform how we understand and respond to life. In doing so, they offer not just a philosophy, but a path toward clarity, balance and inner freedom.

Inspired by articles on Buddhism……..

Dr.Animesh Chhotray
Dean Academics

The Girl Who Studied Under a Streetlight

Not all classrooms have walls,

and not all light comes from inside homes.

Sometimes, success begins under a streetlight

with a child who refuses to give up.

Every night at ten o'clock, when most of the neighbourhood surrendered to darkness, one light refused to go out.

It did not glow behind a window or rest beneath a roof.

It stood at the edge of a narrow streeta tall, aging streetlight, flickering yet faithful, humming softly against the silence of the night.

Beneath it sat Anaya.

Her home was smallone room, a tin roof and electricity that arrived and disappeared without warning. When the power failed, the house dissolved into shadow. But Anaya's exams were near and dreams, she believed, did not wait for comfort. So she carried a plastic chair, her schoolbooks and a bottle of water outside. Night after night, while the world slept, she studied beneath the pale yellow glow of that streetlight.

The street watched her grow.

People noticed too.

Some shook their heads with pity.

"Poor girl," they whispered.

Others laughed openly.

"A streetlight won't make you a doctor," a boy once said.

Anaya smiled, adjusted her notebook and continued solving equations. The numbers did not mock her. They listened.

Her mother returned late from washing dishes in other people's homes. She would pause at the doorway, watching her daughter from a distance. She could not explain algebra or biology, but she could offer faith. Silently, she placed a cup of warm tea beside Anaya and went back inside. Love, she knew, did not always need words.

Years passed.

The streetlight became more than metal and wires. It became a classroom without walls, a library without shelves, a witness to quiet courage. It saw tired eyes refuse to close, heard whispered revisions carried by the breeze and stood firm as doubt visited and left.

Then one summer afternoon, a white car stopped on that familiar street. Curious neighbours peered through half-open doors as a man in a formal suit stepped out and asked, "Does Anaya live here?"

He had come from a medical college.

Anaya had secured the highest rank in the district.

The same street that once echoed with laughter now rang with applause. Sweets were shared, smiles widened and pride filled the air. Yet Anaya walked past the gathering and stopped beneath the streetlight.

She placed her hand gently on its warm metal pole and whispered, "Thank you."

Because success did not begin with a result sheet.

It began every night she chose effort over excuse, hope over darkness and belief over doubt.

Bhagyashree Sahoo
2nd Semester MBA (2025-27)

The Golden Chapter: Student Life

Student life is often described as the most transformative phase of one's journey. It is a period of exploration, energy and possibilitya foundation upon which both career and character are shaped. For me this chapter has extended far beyond classrooms and examinations. It has been a journey of self-discovery, resilience and purposeful growth.

At Gandhi Institute for Education and Technology my experience as a student has been a dynamic blend of challenge and achievement. Every lecture assignment and project has sharpened my technical understanding while nurturing analytical thinking. Yet the true richness of student life lies beyond academic boundaries. It lives in conversations after class collaborative learning, shared ambitions and moments of collective struggle that quietly shape maturity.

Student life is where aspirations begin to take form. It is during late-night study sessions, spirited college events and group discussions that we learn discipline, time management and the value of persistence. These years teach us balancebetween ambition and well-being, independence and responsibility between dreams and practicality.

Of course the journey is not without obstacles. Tight deadlines, academic pressure and uncertainty about the future test both confidence and patience. However these very challenges become the training ground for resilience. Each setback teaches adaptability. Each failure refines perspective. Through such moments I discovered that growth rarely happens in comfortit is forged in perseverance.

A significant part of my student life has been exploring passions beyond academics. Engaging with technology while simultaneously developing creative skills such as digital design has reinforced the importance of holistic development. Equally meaningful has been my commitment to fitness which constantly reminds me that mental clarity and physical strength go hand in hand.

At its core student life is about transformation. It is about evolving into a more capable, confident and self-aware individual while cherishing the friendships and memories that accompany the journey. GIET has provided an environment that encourages learning experimentation and ambition.

To every student walking this path remember that these years are not merely about earning a degree. They are about shaping identity building character and preparing for life beyond campus. Embrace every challenge. Celebrate each small victory. Continue learning with curiosity and courage.

For in these golden years we do not just prepare for the futurewe create it.

Raja Behera
MCA 2nd Year

The Kind of Confidence I Am Learning to Build

For a long time, I believed leadership looked a certain way. I thought it belonged to the loudest voice in the room, the quickest decision-maker, or the person who always appeared certain. As a student, I assumed confidence had to be visiblespoken boldly, displayed publicly and affirmed by others. Over time, that idea has slowly changed.

I am beginning to understand that leadership often starts quietly. It begins before titles are given or roles are assigned. I see it in preparation, in consistency and in the willingness to take responsibility even when outcomes are uncertain. For me, confidence is no longer about speaking first; it is about knowing *why* I choose to speak at all.

Some of the strongest leaders I have encountered are not those who dominate conversations, but those who listen carefully. They take time to understand different perspectives before responding. Their confidence does not demand attentionit earns trust. Observing them has taught me that leadership rooted in understanding lasts longer than leadership driven by urgency.

In my academic life, I have realized that confidence often grows in silence. It develops during moments when no one is watchingwhen I choose discipline over distraction, effort over excuses and curiosity over fear. These moments may not bring immediate recognition, but they shape the kind of person I am becoming.

Failure has also played an important role in shaping my confidence. I have made mistakes, missed opportunities and faced outcomes I did not expect. What I am learning is that confidence is not about avoiding failure, but about responding to it honestly. Each setback has forced me to reflect, adapt and move forward without losing belief in myself.

I have also come to see courage differently. It is not always dramatic or visible. Sometimes, it is the courage to admit uncertainty, to disagree respectfully, or to choose integrity when shortcuts are tempting. These choices are quiet, but they leave a lasting impact on character.

As a student preparing to step into a complex and demanding world, I am learning that leadership is not about control, but coherencealigning my values with my actions. Confidence grows when I know where I stand, even as I remain open to growth and learning.

I no longer believe leadership requires constant visibility. I believe it requires reliability. And the confidence I am learning to build is not the kind that announces itself, but the kind others can depend on.

Deepak Kumar Sahoo
2nd Semester MBA (2025-27)

The Long Road to the Classroom

Every morning, before the city fully woke, she was already on her way.

The bus stop stood at the edge of her village, a small patch of road where mist lingered longer than it should. She arrived there with a backpack held close, eyes still heavy with sleep, waiting among strangers who never noticed her. The journey to college took nearly two hourstwo hours of changing roads, shifting crowds and quiet endurance.

She was shy.

Not because she lacked confidence, but because new spaces required time.

In the beginning, college felt overwhelming. The classrooms were larger, the voices louder, the pace faster than anything she had known. Students laughed easily, debated freely and moved through corridors as if they already belonged. She walked carefully, measuring her steps, afraid of being in the way.

During lectures, she sat near the window. She listened more than she spoke, writing everything down, not wanting to miss a single word. When attendance was called, her voice arrived softly, almost as if it were asking permission to exist.

The long journey home gave her time to think. As the bus rattled through highways and villages, she replayed the day in her mindwhat she understood, what she didn't and what she wished she had said. The road became her reflection space, where doubts and hopes traveled together.

Slowly, things began to change.

She learned which bus arrived on time, which seat near the window caught the best light, which classmates smiled back. She asked questionsquietly at first, after class, when the crowd had thinned. Teachers noticed her sincerity. Friends noticed her reliability.

One day, during a group activity, someone asked her to explain a concept. She hesitated, then spoke. Her voice was steady, her explanation clear. The room listened.

No applause followed. No dramatic moment occurred.

But something shifted inside her.

She realized that distance had taught her discipline and silence had sharpened her understanding. Every mile she traveled each day had quietly prepared her to stand her ground.

She still wakes early.

She still takes the long road.

She is still shy.

But now, she carries something else with her on that journeybelonging.

Not because she arrived loudly,

but because she arrived consistently.

And sometimes, that is enough.

-Namrata Sahoo
2nd Semester MBA (2025-27)

The Meeting That Changed My Perspective

The boardroom was silent except for the soft hum of the projector. It was only a classroom simulation yet the tension felt real. Our professor had assigned us roles in a mock crisis management scenario. I was appointed as the operations head of a company facing declining profits rising employee dissatisfaction and environmental compliance issues.

At first I focused only on the numbers. Revenue had dropped by twelve percent. Production costs were increasing. Competitors were gaining market share. My instinct was straightforward. Reduce expenses streamline operations and improve output efficiency.

But as the simulation progressed new information emerged. Employee surveys revealed low morale due to excessive workload. Environmental audits highlighted waste disposal irregularities. Customer feedback reflected declining trust. The crisis was not just financial. It was structural and ethical.

That moment shifted my understanding of management.

As future managers we often assume that leadership is about control and authority. Yet I realized that effective management requires listening analysis and empathy. A decision that improves short term profitability might weaken long term credibility. Cost cutting without employee engagement could increase attrition. Ignoring sustainability could damage brand reputation permanently.

In the simulation I proposed a balanced strategy. Instead of immediate layoffs we recommended process optimization through technology integration. Instead of ignoring compliance costs we invested in sustainable waste management systems. We initiated transparent communication sessions with employees to rebuild trust.

The results within the scenario were encouraging. Productivity improved gradually. Employee engagement scores increased. Customer perception stabilized. Profit margins recovered more sustainably.

When the session ended I carried the lesson with me. Management is not merely about managing resources. It is about managing relationships expectations and responsibilities.

The world we will enter as MBA graduates is complex and unpredictable. Digital transformation climate concerns and global competition demand adaptability. However

technical knowledge alone is not enough. Ethical awareness emotional intelligence and long term vision define strong leadership.

Future managers must balance ambition with accountability. We must embrace innovation while protecting human values. We must pursue growth without compromising sustainability.

That classroom meeting lasted only two hours. Yet it reshaped how I see my future.

Leadership is not about sitting at the head of the table. It is about ensuring everyone at the table moves forward together.

And as I prepare for my professional journey I aspire to become a manager who leads with clarity courage and conscience.

Sonali Swain
4th Semester (MBA)

The Power of Integrated Management

During the early days of my MBA I viewed managerial domains as separate subjects. Finance meant numbers. Marketing meant creativity. Human resources meant people management. Operations meant efficiency. Strategy meant long term planning. Each discipline appeared independent with its own frameworks and tools. Over time I realized that true managerial effectiveness lies in integration rather than isolation.

Consider a new product launch. Marketing may design an attractive campaign to create demand. Finance must allocate funds and evaluate expected returns. Operations ensures production capacity and quality control. Human resources recruits and trains the workforce required for execution. Information systems provide data analytics to monitor performance. Strategy aligns all these functions with the organization's vision. If anyone domain fails the entire initiative weakens.

Financial management remains fundamental because every decision has cost implications. Capital budgeting risk assessment and cash flow management influence stability. However finance cannot operate without understanding market demand and operational capability. A financially sound decision must also be strategically feasible.

Marketing has evolved significantly in the digital era. Consumer engagement is driven by data personalization and brand storytelling. Yet effective marketing strategies require operational readiness and financial sustainability. Promising rapid delivery without supply chain efficiency damages credibility. Offering discounts without financial planning reduces profitability.

Operations management ensures process reliability. Lean systems quality assurance and supply chain coordination create efficiency. However operational success must adapt to marketing trends and financial constraints. Flexibility and innovation become essential in dynamic markets.

Human resource management is equally critical. Skilled and motivated employees drive performance across all departments. Leadership communication and training influence productivity and morale. Without strong human capital even the most sophisticated strategies cannot succeed.

Information systems management integrates technology across domains. Real time dashboards predictive analytics and cybersecurity frameworks enhance informed decision making. Digital transformation is no longer a technical upgrade. It is a strategic necessity.

Strategic management binds these domains together. It evaluates external environments competitive forces and internal strengths. A well-defined strategy ensures alignment between objectives and execution.

Through my MBA journey I have learned that managerial domains function like parts of a single organism. Each domain contributes uniquely yet their interdependence determines organizational health.

Future managers must develop cross functional awareness adaptability and systems thinking. Success will not depend solely on expertise in one area but on the ability to harmonize multiple domains toward a unified purpose.

SatyabrataPalai
4th Semester (MBA)

The Role of Yoga in Promoting a Healthy Life

Yoga is increasingly recognized as an effective complementary approach for managing lifestyle-related disorders such as stress obesity diabetes hypertension and cardiovascular diseases. Scientific studies indicate that yogic practices including asanas pranayama and meditation contribute significantly to physical mental and emotional well-being. Beyond physical exercise yoga represents a holistic system that integrates ethical discipline self-regulation and spiritual awareness. This article reviews the importance of yoga as a sustainable lifestyle practice for promoting overall health.

Introduction

Originating in India over two millennia ago yoga has evolved into a globally accepted system of health and wellness. It is based on the classical eight-limb framework described in ancient texts: Yama Niyama Asana Pranayama Pratyahara Dharana Dhyana and

Samadhi. While modern practice often emphasizes postures and breathing techniques the traditional philosophy of yoga extends to mental discipline ethical living and spiritual growth.

The global acceptance of yoga was reaffirmed when the United Nations declared 21 June as International Yoga Day in 2014 highlighting its universal relevance.

Importance of Yoga in Health

Health is not merely the absence of disease but a state of physical mental and social well-being. Yoga supports this comprehensive definition by enhancing immunity reducing stress and improving emotional stability. Regular practice strengthens muscular endurance improves flexibility and supports cardiovascular function. At the psychological level yoga enhances concentration promotes calmness and fosters resilience against anxiety and depression.

In educational settings yoga contributes to improved focus self-discipline and emotional balance among students. As a preventive and therapeutic tool yoga offers a non-pharmaceutical method to manage chronic conditions and lifestyle disorders.

Conclusion

Current evidence suggests that yoga is a safe and effective practice for individuals across age groups. It promotes holistic well-being by integrating physical fitness mental clarity and emotional harmony. In an era marked by stress and lifestyle-related diseases yoga serves as a valuable and sustainable approach to achieving long-term health and balance.

Dharmapada Sahu
B.Tech 2nd Year
Mechanical Engineering

The Startup That Almost Failed

When our MBA batch was assigned a live entrepreneurship project my team decided to build a tech enabled waste management startup. The idea sounded impressive. A mobile application connecting households with local recycling partners. Real time tracking. Digital payments. Data dashboards. It looked perfect on paper.

We were confident. Market research showed increasing environmental awareness. Urban households were willing to segregate waste. Local recyclers needed structured supply. Technology would bridge the gap.

We focused heavily on the app interface investor pitch deck and revenue projections. We calculated subscription models estimated operational costs and forecasted growth for three years. Everything aligned logically.

Then reality intervened.

During pilot testing we visited residential areas expecting quick adoption. Instead we encountered hesitation. Many residents were confused about segregation categories. Some were unwilling to pay a monthly fee. Local collectors were sceptical about digital tracking systems. They feared income transparency might reduce their flexibility.

Our well designed technology was not the problem. Our assumptions were.

We had designed a solution around efficiency not around people.

That moment became the turning point. Instead of refining only the app we redesigned the model. We organized awareness sessions in housing societies. We simplified segregation guidelines. We shifted from a subscription model to a partnership model with housing associations. For waste collectors we introduced digital literacy workshops and incentive based tracking rather than rigid monitoring.

Gradually adoption improved. Data started flowing meaningfully. Recycling rates increased in pilot zones. The business model evolved from a purely profit driven approach to a shared value framework. Environmental impact became our core metric alongside revenue.

Through this journey I learned that innovation in management is not about complex technology. It is about understanding stakeholder psychology. It is about aligning incentives. It is about patience.

Sustainability requires behavioural change and behavioural change requires trust. As future managers we must recognize that spreadsheets cannot capture emotions resistance or community dynamics. Strategy must integrate empathy with analytics.

Our startup project did not become a unicorn idea. But it became something more valuable. It became a lesson in responsible leadership.

Technology can enable systems.
Strategy can structure models.
But only human understanding can make innovation sustainable.

That project changed how I view management.

Success is not defined by how impressive the idea looks in a presentation.
It is defined by how effectively it works in the real world.

Sambit Soumya Chhotray
4th Semester (MBA)

TECHNOLOGY AND GADGETS

Technology has become the backbone of modern civilization transforming nearly every aspect of human life. From communication and education to healthcare and transportation technological advancements have reshaped the way society functions. Gadgets as practical tools derived from technology have made daily activities more convenient efficient and interconnected.

Among the most influential gadgets of our time are smartphones. These compact devices serve as communication hubs learning platforms entertainment centres and financial tools. With features such as internet access video conferencing digital payments and social networking smartphones have redefined connectivity. Similarly laptops and tablets have become essential for students and professionals enabling research remote work coding design and online collaboration.

Wearable technologies such as smartwatches and fitness bands represent another significant development. These devices monitor heart rate physical activity sleep patterns and other health indicators encouraging individuals to maintain healthier lifestyles. In the healthcare sector advanced diagnostic equipment robotic surgical systems and telemedicine platforms demonstrate how technology directly contributes to improved patient care and medical accuracy.

Education has also undergone a digital transformation. Online learning platforms virtual classrooms smart boards and e-books have made knowledge more accessible and flexible. In transportation GPS systems electric vehicles and smart traffic management technologies have enhanced efficiency and safety.

Despite these benefits excessive dependence on gadgets may lead to challenges such as digital addiction reduced physical activity eye strain and weakened interpersonal relationships. Therefore responsible and balanced use of technology is essential to maximize its advantages while minimizing its drawbacks.

Looking ahead emerging technologies such as artificial intelligence the Internet of Things and smart automation promise even greater innovation. If guided by ethical and sustainable practices technology and gadgets will continue to improve quality of life and contribute to a smarter and more connected future.

Smaranika Mahapatra
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Branch: Electrical Engineering
Semester: 6th Year: 3rd

Managing the Digital Shift: A Manager's Perspective on Technology and Value

When I entered my postgraduate management program I was fascinated by technology not as a coder but as a strategist. I was never the one writing algorithms yet I was deeply interested in how technology reshapes industries, consumer behavior and competitive advantage. For me technology management is not about building software. It is about building systems that create sustainable value.

The modern organization operates in a digital ecosystem. Data flows faster than decisions. Markets evolve before strategies are fully implemented. In such an environment managers cannot afford to treat technology as a support function. It is a strategic driver.

During our course on digital transformation we analysed how traditional firms failed not because they lacked resources but because they resisted technological adaptation. Companies that once dominated their industries collapsed when they underestimated platform economies and data driven models. This reinforced my belief that management today must be technologically literate. A leader does not need to code yet must understand how artificial intelligence influences forecasting how blockchain enhances transparency and how cloud computing improves scalability.

However digital transformation is not simply about adoption. It is about alignment. Technology must align with organizational culture strategic objectives and sustainability goals. Investing in automation without reskilling employees creates resistance. Implementing analytics without ethical governance creates risk. Deploying digital marketing without data protection policies creates distrust.

One concept that shaped my thinking is digital sustainability. Data centres consume significant energy. E commerce increases packaging waste. Rapid device turnover intensifies electronic waste. As future managers we must evaluate the environmental footprint of technological expansion. Green IT practices efficient infrastructure and circular technology models must become integral to strategic planning rather than afterthoughts.

Innovation management also demands calculated risk taking. Emerging technologies offer opportunities yet carry uncertainty. Scenario planning real time dashboards and agile methodologies help reduce risk while maintaining flexibility. A technology manager must balance experimentation with accountability.

What excites me most is the intersection of analytics and human values. Predictive models can improve healthcare access. Fintech platforms can enhance financial inclusion. Edtech solutions can democratize learning. Technology managed responsibly can bridge gaps rather than widen them.

As a management student I now view technology as a strategic asset that requires governance vision and ethical direction. The real challenge is not acquiring the latest tool. It is designing frameworks that ensure tools serve long term stakeholder interests.

In the coming decade organizations will compete not only on innovation speed but on innovation integrity. The leaders who succeed will be those who combine technological awareness with sustainable thinking and human centric decision making.

Technology will continue to evolve.

The real question is whether our management philosophy evolves with it.

-Pramod Giri
2nd Semester (MBA)

Two Coasts One Vision

Arjun had always believed that geography shapes identity. Born and raised in Tamil Nadu he grew up surrounded by ancient temples classical music and a thriving industrial landscape. When he moved to Odisha for his MBA he expected everything to feel unfamiliar. What he did not expect was to find a shared rhythm between two culturally rich states separated by distance yet connected by vision.

His first impression of Odisha was its quiet resilience. The coastline was vast and beautiful much like Marina Beach back home. Fishing communities in both states depended on the sea for livelihood. Cyclones had tested both regions over the years yet strong disaster management systems had strengthened community coordination. Arjun saw how governance innovation and local participation worked together to protect lives and rebuild economies.

In Tamil Nadu he had witnessed rapid industrialization especially in automobile manufacturing textiles and information technology. Chennai was often called the Detroit of India. When he explored Odisha he discovered a different but equally powerful economic engine. The state had emerged as a leader in steel production mining and port development. Both states had leveraged their geographical strengths to build sustainable economic models.

Culturally the similarities surprised him even more. Tamil Nadu preserved Bharatanatyam Carnatic music and Dravidian architecture with pride. Odisha celebrated Odissi dance classical temple architecture and intricate handicrafts. Though languages differed the devotion to tradition was equally strong. Festivals in both regions blended spirituality with community bonding.

During a sustainability seminar Arjun worked with a local Odia student named Swayam. They compared renewable energy initiatives in their states. Tamil Nadu was a pioneer in wind energy generation while Odisha had made significant progress in solar expansion and coastal ecosystem protection. Their discussion moved beyond statistics. It became a realization that development could respect both nature and heritage.

What inspired Arjun most was the emphasis both states placed on education and social welfare. Tamil Nadu had long invested in public health and mid-day meal schemes. Odisha had strengthened rural development programs skill training initiatives and women empowerment missions. Each state had unique challenges yet both were striving toward inclusive growth.

By the end of the semester Arjun no longer saw Tamil Nadu and Odisha as contrasts. He saw them as complements. One represented industrial maturity and technological advancement. The other symbolized resource driven growth and cultural depth. Both demonstrated resilience innovation and pride in identity.

Standing on the shores of Puri during a study tour Arjun felt a sense of belonging. The waves were different yet the spirit felt the same.

Two coasts.
Two cultures.
One shared vision of progress rooted in tradition and powered by determination.

Greeshma G. Nair
MBA 4th Semester

Walking the Path of Wisdom: Leadership as a Sacred Trust

The Upanishads do not instruct in haste. They counsel with quiet certainty, reminding the seeker that wisdom is not acquiredit is cultivated. The words of the Taittirīya Upaniṣad arrive not as commandments, but as orientation. Truth, discipline, self-study and righteous conduct are not episodic virtues; they are lifelong practices. In these four imperatives lies an entire philosophy of leadership.

Ancient Indian knowledge systems never separated education from character. Vidya was meaningful only when anchored in satyatruthfulness of thought, speech and intent. To speak truth was not merely to avoid falsehood, but to act with clarity and courage. In leadership and governance, this clarity becomes vision; in management, it becomes trustthe most fragile yet essential institutional asset.

"Dharmaṃ cara"walk the path of dharmaextends learning into action. The Upanishadic seers understood that knowledge which does not translate into conduct is incomplete. Dharma here is not rigid morality, but contextual responsibility: the wisdom to decide rightly amidst complexity. Modern policy dilemmas echo this ancient concerngrowth versus sustainability, efficiency versus equity, innovation versus inclusion. Dharma becomes the balancing force that prevents progress from becoming predatory.shads suggest, demands lifelong learning and introspection. A leader who ceases to learn stagnates; a manager who ceases to reflect loses discernment. In contemporary terms, svādhyāya is adaptability rooted in self-awarenessa quality essential for navigating uncertainty and transformation.

The Upanishadic vision resonates deeply with later governance philosophy. The Bhagavad Gītā elaborates this path through niṣkāma karmaaction without attachment to reward. Leadership becomes duty-driven rather than ego-driven. Decisions are made with steadiness, not agitation. Success does not intoxicate; failure does not diminish resolve. Such inner balance is as vital in boardrooms and policy

chambers as it was on the battlefield of Kurukṣetra.
The Arthaśāstra, often viewed as pragmatic statecraft, quietly aligns with this ethical foundation. Kautilya's emphasis on discipline, foresight and welfare reflects an understanding that governance without moral anchoring collapses under its own weight. Economic policy, taxation and administration were instrumentsnot ends. Their legitimacy flowed from public good and long-term stability.
Education in the ancient Indian tradition prepared individuals not merely to compete, but to contribute. The gurukula emphasized restraint before authority, humility before power and service before privilege. These values are urgently relevant today, when leadership is often measured by speed and scale rather than depth and direction.
For future leadersstudents of management, policy and governancethe Upanishads offer no technical manuals. Instead, they offer something more enduring: orientation. They remind us that systems are sustained by values and institutions by people who embody them. Strategy gains strength when guided by ethics; policy gains legitimacy when informed by compassion.
To walk the Upanishadic path is not to reject modernity, but to humanize it. It is to ensure that analytical rigor is matched by moral clarity and ambition tempered by responsibility. Leadership, in this light, becomes a sacred trustheld not for personal gain, but for collective well-being.
The Upanishads close their counsel with quiet insistence: do not stray. Not from the truth. Not from learning. Not from dharma. In a world of accelerating change, this ancient reminder remains profoundly contemporary. For when leaders walk this path, knowledge becomes wisdom, power becomes service and progress becomes enduring.

-Pramit Chandra Rout
Asst. Prof. (Finance)
Dept. of MBA

When HRD Follows the Gita

(Reimagining Recruitment Through the Lens of the Bhagavad Gita)

One of the most critical functions of any Human Resource Development unit is recruitment. Traditionally, organizations screen candidates based on academic qualifications, professional experience and interview performance. While this process ensures technical competence, it does not necessarily guarantee that the selected individual is temperamentally suited to the role. In many cases, capability is assessed, but compatibility is overlooked.

This is where the Bhagavad Gita offers profound and practical insight.

In the Gita, Lord Krishna explains the concept of the three *Gunas*Sattva, Rajas and Tamaswhich influence the psychological and behavioural tendencies of every individual. Krishna further asserts that no being is free from the interplay of these three qualities. However, their proportions vary from person to person.

Sattva (S) is associated with clarity, contemplation, wisdom, balance and intellectual depth.

Rajas (R) represents dynamism, ambition, action and outward energy.

Tamas (T) signifies inertia, resistance to change and routine-driven behaviour.

It is important to note that no person is purely Sattvic, Rajasic, or Tamasic. Each individual reflects a combination of all three, though one may dominate.

A word of caution is necessary. Each guna has both constructive and destructive expressions. Constructive Sattva promotes wisdom and ethical judgment. Constructive Rajas drives leadership and achievement. Constructive Tamas enables stability and routine execution. However, negative Rajas can lead to aggression and misuse of power, while excessive Tamas may result in stagnation. History offers examples of destructive Rajasic tendencies in figures such as Hitler and Mussolini.

From an HR perspective, understanding these traits can be transformative.

Individuals with a predominance of Sattva often work quietly and effectively behind the scenes. They are well suited for research, planning, teaching, counselling, policy development and innovation. Many scientists, thinkers and artists reflect this quality.

Those dominated by Rajas are achievers and leaders. They thrive in roles requiring initiative, public interaction, management, administration, marketing and strategic leadership. They are motivated by visibility and accomplishment.

Individuals with stronger Tamas may not naturally display initiative but can perform well in structured, routine-based roles that demand consistency and stability.

When a person's dominant guna aligns with their job role, performance improves and job satisfaction increases. Conversely, dissatisfaction often arises when one's temperament is mismatched with professional responsibilities.

There are also individuals in whom Sattva and Rajas coexist in balanced proportions. Such individuals are versatile and capable of handling both analytical desk work and dynamic field responsibilities with equal competence.

Incorporating the S/R/T framework into HR practices could enhance recruitment effectiveness. Modern psychology and behavioural assessment tools can assist HR professionals in evaluating temperament and aligning roles accordingly. With structured psychometric evaluation, the philosophical insight of the Gita can be translated into a practical model for talent placement.

In an era where organizations seek not only efficiency but also engagement and well-being, integrating ancient wisdom with contemporary HR practices may offer a balanced and holistic approach to human resource management.

Subhransu Sekhar Samanta
Dean, Career Development Cell

Why Electrical Engineers Will Never Go Out of Demand

Electrical engineering is not just a branch of engineering. It is the foundation of modern life. Every industry including power transportation healthcare manufacturing and communication depends on reliable electrical systems. As long as electricity remains central to development the demand for electrical engineers will continue to grow.

India today is undergoing rapid transformation in its energy and infrastructure sectors. With an installed power capacity of over 420 GW and renewable energy contributing more than 180 GW the country ranks among the world's leading energy producers. Under national targets to achieve 500 GW of non-fossil fuel capacity by 2030 electrical engineers are vital in designing integrating and maintaining solar wind hydro and storage systems. The global clean energy investment boom further strengthens this demand.

The expansion of electric mobility under initiatives such as the FAME scheme has created new opportunities in power electronics battery management systems motor drives and charging infrastructure. The Indian EV market is expected to grow at a high annual rate in this decade which ensures sustained demand for electrical expertise.

Industrial automation robotics smart grids and intelligent control systems are reshaping manufacturing and urban infrastructure. Government programs such as the Smart Cities Mission rural electrification schemes and digital infrastructure projects rely heavily on efficient power distribution and advanced control technologies. Electrical engineers design maintain and upgrade these systems ensuring reliability safety and efficiency.

Unlike many professions electrical engineering cannot be fully automated. It requires analytical thinking system-level understanding innovation and real-world problem solving. From renewable integration to grid modernization and sustainable development electrical engineers remain central to national progress.

In conclusion the demand for electrical engineers is driven by structural technological and environmental transitions. As energy systems become smarter cleaner and more connected electrical engineers will continue to play a decisive role in shaping a resilient and sustainable future.

Prof. Choudhury Chandrasekhar Mohapatra
Assistant Professor
Department of Electrical Engineering

Women Empowerment

A Step Toward a Stronger Nation

Women empowerment is not merely a sloganit is a transformative movement toward equality, dignity and freedom. It signifies enabling women to make independent choices, pursue their ambitions and participate fully in shaping society. No nation can truly progress if half of its population is denied opportunity and respect.

Historically, women were confined to limited roles, often restricted to domestic responsibilities while their aspirations were overlooked. Their voices were muted by tradition and social barriers. However, the modern world is witnessing a powerful shift. Women today are leaders in politics, pioneers in science, innovators in technology, defenders in armed forces and creators in arts and entrepreneurship. They are not asking for privilegethey are claiming equality.

Education remains the most powerful instrument of empowerment. When a girl is educated, she gains more than literacyshe gains confidence, awareness and independence. An educated woman contributes not only to her family's well-being but also to the social and economic development of her community. Studies across the world consistently show that women's education leads to improved health outcomes, reduced poverty and stronger economies. Education transforms silence into expression and hesitation into courage.

Financial independence is another cornerstone of empowerment. Economic participation gives women decision-making power and self-respect. From grassroots entrepreneurs to corporate executives, women are redefining professional landscapes. They are doctors saving lives, engineers designing the future, teachers shaping generations and entrepreneurs generating employment. Their contributions strengthen both households and national economies.

Yet, despite progress, significant challenges persist. Gender discrimination, unequal pay, limited leadership representation, domestic violence and societal pressures continue to hinder many women. These realities remind us that empowerment is not a completed mission but an ongoing journey. True empowerment ensures safety, fairness, equal opportunity and dignity for every womanwhether in rural villages or metropolitan cities.

Importantly, women empowerment is not about opposition between genders; it is about partnership. Sustainable change occurs when men and women work together as equals. Equality begins at homewhere boys and girls are raised with the same encouragement, the same expectations and the same respect.

Empowering women ultimately means empowering society. A nation that educates, protects and respects its women builds a foundation for lasting progress and prosperity. When women rise, families become stronger, communities become wiser and countries become more resilient.

Let us move beyond words and commit to action. Let us create environments where every girl can dream boldly and every woman can live fearlessly.

Because when women rise, the world rises with them.

Biswajit Rayatsingh
Branch: EACE (4th Year)
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Electrical Engineering: The Invisible Force Running Modern Life

Electrical engineering is one of the most powerful yet least visible forces shaping modern civilization. It does not demand attention yet it makes attention possible. From the first sound of an alarm clock in the morning to the glow of streetlights at night electrical systems operate quietly in the background sustaining the rhythm of daily life.

Electricity is the backbone of homes workplaces hospitals industries and communication networks. Every switch we flip activates a carefully designed system built by electrical engineers. Household appliances such as refrigerators air conditioners induction cooktops and washing machines rely on efficient circuit design power management and safety mechanisms. In offices and institutions computers servers and digital systems depend on uninterrupted electrical supply to function.

Nowhere is the importance of electrical engineering more evident than in healthcare. Life-support systems ventilators MRI and CT scanners infusion pumps and monitoring devices operate only because reliable electrical infrastructure exists. A stable power supply can mean the difference between life and death. Electrical engineers design backup systems emergency power solutions and fail-safe networks to ensure that critical services never stop.

Beyond daily utilities electrical engineering fuels technological progress. Power generation plants whether thermal hydroelectric nuclear solar or wind convert energy into usable electricity. Transmission and distribution networks carry this energy across vast distances with minimal losses. Modern grids integrate renewable energy sources using smart control systems power electronics and advanced monitoring technologies.

The rise of electric vehicles smart cities automation robotics artificial intelligence and Internet of Things IoT systems further highlights the field's expanding influence. Smart homes respond to voice commands. Automated factories increase productivity. Renewable energy reduces carbon emissions. All these advancements are rooted in electrical innovation.

Electrical engineering also drives economic growth and sustainable development. Industries cannot operate without reliable power. Digital economies cannot function without stable networks. As the world transitions toward greener technologies and energy efficiency electrical engineers are leading the charge in designing sustainable power systems and intelligent infrastructure.

Though often unseen electrical engineering connects energy to human need. It transforms raw power into progress. It converts ideas into innovation. It keeps cities alive industries productive and societies connected.

Electrical engineering is not merely a branch of studyit is the silent indispensable force that powers the modern world and shapes the future.

Abhay Kumar Rout
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B.Tech 2nd Year EE

Zero Carbon Electricity: Powering a Sustainable Future

As the world confronts climate change and rising energy demands the way electricity is generated has become a central concern. Traditional power generation methods that rely on fossil fuels release large amounts of carbon dioxide into the atmosphere accelerating global warming and environmental degradation. In this context zero carbon electricity has emerged as a vital solution for building a cleaner safer and more sustainable future.

Zero carbon electricity refers to power produced from energy sources that emit little to no carbon dioxide during operation. Unlike coal oil and natural gas-based power plants these sources generate electricity without directly contributing to greenhouse gas emissions. Although some emissions may occur during manufacturing or construction their overall carbon footprint is significantly lower making them environmentally preferable.

Several technologies play a key role in zero carbon electricity generation. Solar energy uses photovoltaic panels to convert sunlight into electricity and has gained popularity due to its abundance and declining costs. Wind energy generated through onshore and offshore wind turbines is another rapidly expanding source that provides clean power at a large scale. Hydroelectric power one of the oldest renewable energy sources produces electricity by harnessing flowing water and also supports energy storage through pumped hydro systems. Nuclear energy offers reliable large-scale electricity with minimal carbon emissions though it raises concerns regarding safety and waste disposal. Geothermal energy which utilizes heat from beneath the Earth's surface provides consistent and dependable zero carbon power in suitable regions.

The importance of zero carbon electricity extends beyond environmental protection. By reducing air pollution it improves public health and helps lower healthcare costs. Economically the clean energy sector creates employment opportunities encourages innovation and reduces dependence on imported fossil fuels. From an energy security perspective diversifying electricity sources helps protect nations from fuel price volatility and supply disruptions. Despite these advantages the transition to zero carbon electricity is not without challenges. Renewable sources such as solar and wind are weather-dependent making energy storage and efficient grid management critical. High initial infrastructure costs and the need for supportive government policies also pose significant hurdles.

Students and young professionals have an important role to play in accelerating this transition through education research sustainable practices on campus and awareness-building initiatives. By actively engaging in clean energy solutions the younger generation can contribute meaningfully to a sustainable energy future.

In conclusion zero carbon electricity represents more than just an alternative energy optionit is a pathway toward sustainable development and environmental responsibility. Embracing clean electricity is essential not only for protecting the environment but also for ensuring long-term economic growth and energy security for future generations.

Aaditya Kumar
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ଆବାହନ

ପକ୍ଷୀ ତାର ପରାଣ କଥା ଗାଇ ଗାଇ କେଉଁ ଦୂର ଦେଶକୁ ଚାଲିଅଛି । ତାହାର ହୃଦୟ ସଂଗୀତ ଆକାଶର ଅନନ୍ତ ନୀଳିମାରେ ଖେଳି ଖେଳି ଚାଲିଯାଏ । ପବନ କେଉଁ ଅଦୃଶ୍ୟ ରାଜ୍ୟର ବାରଣ କେଉଁ ଅଦୃଶ୍ୟ ରାଜ୍ୟକୁ ନେଇ ବହିଥାଏ । ତରୁଲତା ନୀରବ ଆନନ୍ଦରେ ଉଷତ, ଗଭୀର ଶାନ୍ତି ରସରେ ରସାଣିତ । ଚାରିଆଡେ ଆନନ୍ଦର ଖେଳା, ମୋର ଜୀବନ କାହିଁକି ବିଷାଦମୟ ? କେଉଁ ବାସନା ଅପୂର୍ଣ୍ଣ ରହିଅଛି ? କାହାଲାଗି ଏହି କ୍ରନ୍ଦନ ? କିଏ ସେ ମୋର ହୃଦୟ ଶୁଷ୍କ ରଖି ଅଛି ? – ସେ ତ ପରାଣର ଦେବତା ।

ସତେକି ଛାଡିଲ ? ଏ ମରମ ବେଦନା ସବୁକି ବ୍ୟର୍ଥ ? କାହା ପାଇଁ ଏତେ ଆୟୋଜନ କରିଥିଲି ? ଏ ଜାଗରଣ, ଏ ଅଶ୍ରୁଭରା ନୟନ ପ୍ରତି ଟିକିଏ ଚାହିଁଲ ନାହିଁ । କରୁଣା ନିଧାନ, ଆର୍ତ୍ତତ୍ରାଣ, ଭକ୍ତର ପରଶମଣି, ମୋତେ ଛାଡିବେ ? – ଏହା କିପରି ହେବ ?

ଏହା ସିନା ମୋର ଗର୍ବ, କିନ୍ତୁ ନାଥ ତୁମ୍ଭର ଉପଯୁକ୍ତ ଅର୍ଚ୍ଚନା କରିବାକୁ ମୋର ଶକ୍ତି ନାହିଁ । କେଉଁ ଉପାଦାନରେ ତୁମ୍ଭର ଅର୍ଚ୍ଚନା କରି ପାରିବି । ହୃଦୟ ଶୁଷ୍କ ନୀରସ । ପ୍ରାଣରେ ଆବେଗ ନାହିଁ, ବେଦନା ନାହିଁ । ଯାହା କିଛି ଅଛି ବୋଲି ଭାବି ଅଛି ତାହା କେବଳ ଆତ୍ମ ପ୍ରତାରଣା, ଆତ୍ମ ବଡ଼ିମା ପାତ୍ର, ସଦା ସ୍ୱାର୍ଥର କାଳିମାରେ ଜଡ଼ିତ । ଭାବୁ ଅଛି, କାନ୍ଦୁଅଛି, ସତ; କିନ୍ତୁ ସେ ଭାବ ନାଚେ, ସେ କ୍ରନ୍ଦନରେ ଆତ୍ମ ଉତ୍ସର୍ଗ ନାହିଁ, ଆତ୍ମ ବିସ୍ମୃତି ନାହିଁ, ପ୍ରେମର ବିଭୂତି ନାହିଁ, କଲ୍ୟାଣର ମାଧୁରି ନାହିଁ । ଏହି ଅପବିତ୍ର ଶୁଷ୍କ ହୃଦୟ ତୁମ୍ଭର ଅଧିଷ୍ଠାନ ହେବ ? କେଉଁ ଦମ୍ଭରେ ତୁମ୍ଭଙ୍କୁ ମୁଁ ଆବାହନ କରି ପାରିବି ? ତେବେ ଏହି ଦାସ କି ଚରି ପରିତ୍ୟକ୍ତ ? କ୍ଷମା ବାରିନିଧିଙ୍କ ଠାରେ କ୍ଷମା କି ପାଇ ନ ପାରେ ?

ଆଉ କିଛି କହୁନାହିଁ ନାଥ, ଏହି ନୀରସ ପରାଣ, ଏହି ଶୁଷ୍କ ହୃଦୟ ତୁମ୍ଭ ନିକଟେ ଅର୍ପଣ କରୁଅଛି । ହୃଦୟ ଅଧିକାର କର, ପରାଣ ପଢ଼କର । ପ୍ରତି ହାବ ଭାବରେ ତୁମ୍ଭରି କଲ୍ୟାଣ ଫୁଟି ଉଠୁ । ତୁମ୍ଭରି ଆଶୀର୍ବାଦ ଶିରେ ନେଇ, ତୁମ୍ଭରି ପଦତଳେ ମନ ପ୍ରାଣ ଢ଼ାଳି ଦେବାକୁ ଶିଖାଅ । ସଂସାରରେ କେତେ ପ୍ରାଣୀ କେତେ ଦୁଃଖ, କେତେ ଯାତନା ଭୋଗକୁ ଅଛନ୍ତି । ସେହି ଦୁଃଖ, ସେହି ଯାତନାର ଭାର ମୋ ହୃଦୟରେ ଦେଇ ପ୍ରାଣକୁ ଶାନ୍ତିମୟ କର । ଆହା ! ଦୁଃଖର ଅଶ୍ରୁରେ ବେଦନାର ଅଶ୍ରୁରେ ଆଜି ଧରା ସକ୍ତ; ସେହି ଅଶ୍ରୁ କି ମୋ ଶୁଷ୍କ ପରାଣକୁ ସରସ ଓ ଉଜ୍ଜୀବିତ କରିବ ନାହିଁ ?

ହୃଦୟ ତୁମ୍ଭରି ଆସନ; ତେବେ ଆଉ ସ ସଂଶୟ କାହିଁକି ? ଅନନ୍ତ ପ୍ରେମର ମଳୟ ପବନ ଖେଳିଯାଉ । ନାଥ ! ହୃଦୟ ପ୍ଲାବନ କର । ଆତ୍ମ ବିସ୍ମୃତିର ତାନ ପ୍ରତି ତନ୍ତ୍ରୀରେ ବାଜି ଉଠୁ । ପଥ ଘାଟ ତରୁଲତା, ବନ ପର୍ବତ ସେଇ ମୋହନ ସ୍ୱନରେ ପୁଲକି ଉଠନ୍ତୁ । ଦୁଃଖ ଶୋକ ଚାଲିଯାଉ । ଆନନ୍ଦରେ ମନ୍ଦାକିନୀ ଧାରା ଖେଳିଯାଉ । ମୋ ବିଷାଦ କାଳିମା ଲିଭିଯାଉ । ପକ୍ଷୀର ଗାନରେ, ଆକାଶର ଅନନ୍ତ ନୀଳିମାରେ ମୋ ପରାଣ ମିଶିଯାଉ- ବିଭୋ, ତୁମ୍ଭରି ନିକଟରେ ଏହି ଭିକ୍ଷା । ତାହା ମୋର ପାଇଁ ନୁହେ – ମୁଁ ଅବା କିଏ ? ସୃଷ୍ଟିରେ ତୁମ୍ଭରି ଅନନ୍ତ ଉଦ୍ଦେଶ୍ୟର ସାଧନା ନିମନ୍ତେ । ଅନନ୍ତ ନିୟମର ବିକାଶ ନିମନ୍ତେ । ତୁମ୍ଭରି ଉଦ୍ଦ୍ୟୋ ପୂରଣ ହେଉ- ଏହି ମୋର ଭିକ୍ଷା ।

ଶ୍ରୀ ଈଶ୍ୱର ଚନ୍ଦ୍ର ପୃଷ୍ଟି
ଡ଼ିଟିପି, ଜିଆଇଇଟି, ବଣିଆଚାଙ୍ଗି

ଜୀବନ କ'ଣ? — ଅନୁଭୂତିରୁ ଅର୍ଥ ପର୍ଯ୍ୟନ୍ତ

ଜୀବନ କ'ଣ?
ଏହି ପ୍ରଶ୍ନଟି ମନୁଷ୍ୟ ଚେତନାର ଗଭୀରତମ ସ୍ଥାନରୁ ଜନ୍ମ ନେଇଛି। ଯେତେବେଳେ ମନୁଷ୍ୟ ଚିନ୍ତା କରିବା ଶିଖିଲା, ସେହି ଦିନଠାରୁ ଜୀବନର ଅର୍ଥ ଖୋଜିବାର ଯାତ୍ରା ଆରମ୍ଭ ହେଲା। ଜୀବନ କେବଳ ଶରୀରରେ ପ୍ରାଣର ଉପସ୍ଥିତି ନୁହେଁ, ଏହା ଭାବନା, ଅନୁଭବ, ସମ୍ପର୍କ ଓ ସଂଘର୍ଷର ଏକ ସମନ୍ୱିତ ରୂପ।

ଜୀବନ ଏକ ନଦୀ ପରି—ଅବିରତ ବହୁଥାଏ। କେବେ ସେ ଶାନ୍ତ ଓ ସ୍ୱଚ୍ଛ, କେବେ ଉତ୍ତାଳ ଓ ଅନିୟନ୍ତ୍ରିତ। ତଥାପି, ନଦୀ ତାହାର ପଥ ଛାଡ଼େ ନାହିଁ। ସେହିପରି, ଜୀବନରେ ଯେତେ ବାଧା ଆସୁ, ମନୁଷ୍ୟକୁ ଆଗକୁ ବଢ଼ିବାକୁ ହୁଏ। ଏହି ଗତି ହିଁ ଜୀବନର ଚିହ୍ନ।

ଆମେ ପ୍ରାୟତଃ ଜୀବନକୁ ସଫଳତା ଓ ବିଫଳତାର ମାପକାଠିରେ ମାପିଥାଉ। ଧନ, ପଦବୀ, ପ୍ରତିଷ୍ଠା—ଏହାମାନେ ଆମ ଚକ୍ଷୁରେ ଜୀବନର ମୂଲ୍ୟକୁ ନିର୍ଦ୍ଧାରଣ କରେ। କିନ୍ତୁ ଏହି ମାପକାଠି ସବୁବେଳେ ସଠିକ୍ ନୁହେଁ। ଜୀବନର ସତ୍ୟ ଅର୍ଥ ଥାଏ ସେହି ମୁହୂର୍ତ୍ତଗୁଡ଼ିକରେ, ଯେଉଁଠାରେ ହୃଦୟ ସନ୍ତୋଷ ପାଏ—ମା'ର ଆଶୀର୍ବାଦ, ବନ୍ଧୁର ଭରସା, କିମ୍ବା ନିରବ ଏକାନ୍ତରେ ନିଜ ସହ କଥାହେବାରେ।

ଜୀବନର ସବୁଠାରୁ ବଡ଼ ଶିକ୍ଷା ହେଉଛି—ଦୁଃଖ ଓ ସୁଖ ଅବିଚ୍ଛିନ୍ନ। ଯେଉଁଠାରେ ସୁଖ ଅଛି, ସେଠାରେ ଦୁଃଖ ମଧ୍ୟ ଥାଏ। ଦୁଃଖ ବିନା ସୁଖର ମୂଲ୍ୟ ବୁଝାଯାଏ ନାହିଁ। ପ୍ରତ୍ୟେକ ଦୁଃଖ ମନୁଷ୍ୟକୁ ଆଉ ଅଧିକ ମଜବୁତ କରେ, ଆଉ ପ୍ରତ୍ୟେକ ସଫଳତା ତାକୁ ନମ୍ର ରହିବାର ପାଠ ପଢ଼ାଏ।

ମାନବ ଜୀବନର ଅନ୍ୟତମ ମହତ୍ତ୍ୱପୂର୍ଣ୍ଣ ଦିଗ ହେଉଛି ସମ୍ପର୍କ। ମନୁଷ୍ୟ ଏକା ରହିପାରେ ନାହିଁ। ସେ ସମାଜିକ ପ୍ରାଣୀ। ପରିବାର, ବନ୍ଧୁ, ସମାଜ—ଏସବୁ ମିଶି ଜୀବନକୁ ସମ୍ପୂର୍ଣ୍ଣ କରେ। ଏକ ଛୋଟ ସାହାଯ୍ୟ, ଏକ ସହାନୁଭୂତିର ଶବ୍ଦ, କିମ୍ବା ଏକ ସରଳ ହସ—ଏହାମାନେ ଜୀବନର ଭାରକୁ ହଳକା କରିଦିଏ।

ଜୀବନ ପରିବର୍ତ୍ତନଶୀଳ। କିଛି ମଧ୍ୟ ସ୍ଥାୟୀ ନୁହେଁ—ନ ସୁଖ, ନ ଦୁଃଖ। ସମୟ ସହିତ ସବୁକିଛି ବଦଳାଏ। ଏହି ସତ୍ୟକୁ ଯେଉଁମାନେ ଗ୍ରହଣ କରିପାରନ୍ତି, ସେମାନେ ଜୀବନକୁ ଅଧିକ ସହଜରେ ବୁଝିପାରନ୍ତି। ପରିବର୍ତ୍ତନକୁ ଭୟ କରିବା ପ୍ରତିବଦଳେ ଯେଉଁମାନେ ତାହାକୁ ସ୍ୱୀକାର କରନ୍ତି, ସେମାନେ ହିଁ ଆଗକୁ ବଢ଼ନ୍ତି।

ଜୀବନ ଆମକୁ ଦାୟିତ୍ୱ ଶିଖାଏ। ନିଜ ପ୍ରତି, ପରିବାର ପ୍ରତି, ସମାଜ ପ୍ରତି ଓ ପୃଥିବୀ ପ୍ରତି ଆମର କର୍ତ୍ତବ୍ୟ ଅଛି। ପ୍ରକୃତିକୁ ସୁରକ୍ଷା କରିବା, ମାନବିକ ମୂଲ୍ୟବୋଧକୁ ରକ୍ଷା କରିବା—ଏହାମାନେ ମଧ୍ୟ ଜୀବନର ଅଂଶ।

ଶେଷରେ, ଜୀବନ କ'ଣ?
ଜୀବନ ହେଉଛି ଅନୁଭବର ଏକ ସଂଗ୍ରହ, ଶିକ୍ଷାର ଏକ ଧାରା, ଓ ଆଶାର ଏକ ଆଲୋକ। ଏହା କେବଳ ବଞ୍ଚିବାର ନାମ ନୁହେଁ, ବରଂ ସାର୍ଥକ ଭାବେ ବଞ୍ଚିବାର ଏକ ସୁଯୋଗ। ଯେଉଁମାନେ ଜୀବନକୁ ବୁଝି, ଭଲପାଇ, ଓ ସମ୍ମାନ କରନ୍ତି—ସେମାନେ ହିଁ ତାହାର ସତ୍ୟ ଅର୍ଥକୁ ଅନୁଭବ କରିପାରନ୍ତି।

ପଦ୍ମଲୋଚନ ପୃଷ୍ଟି
ସହକାରୀ ପ୍ରଫେସର ମେକାନିକାଲ୍ ଇଞ୍ଜିନିୟରିଂ ବିଭାଗ

ପ୍ରଦୂଷଣ ଓ ଏହାର ପ୍ରଭାବ

ଆଜିର ଆଧୁନିକ ଯୁଗରେ ବିଜ୍ଞାନ ଓ ଶିଳ୍ପର ଦ୍ରୁତ ଉନ୍ନତି ମାନବ ସମାଜକୁ ସୁବିଧା ଓ ସମୃଦ୍ଧି ଦେଇଛି । କିନ୍ତୁ ଏହି ଉନ୍ନତି ସହ ଆସିଛି ଏକ ଗୁରୁତର ସମସ୍ୟା—ପ୍ରଦୂଷଣ । ପ୍ରଦୂଷଣ ମାନେ ପରିବେଶର ଶୁଦ୍ଧତା ନଷ୍ଟ ହେବା । ବାୟୁ, ଜଳ, ମାଟି ଓ ଶବ୍ଦ—ସବୁଠି ଆଜି ପ୍ରଦୂଷଣର ପ୍ରଭାବ ସ୍ପଷ୍ଟ ଭାବରେ ଦେଖାଯାଉଛି ।

ଶିଳ୍ପକାରଖାନାର ଧୂଆଁ, ଯାନବାହନର ଧୂଆଁ ଓ ପ୍ଲାଷ୍ଟିକ ଜଳାଇବାରୁ ବାୟୁ ପ୍ରଦୂଷଣ ହେଉଛି । ଏହାର ପରିଣାମରେ ଶ୍ୱାସକଷ୍ଟ, ଆସ୍ଥମା ଓ ଅନ୍ୟାନ୍ୟ ରୋଗ ବଢ଼ିଚାଲିଛି । ନଦୀ ଓ ପୋଖରୀରେ ଅବୈଧ ତ୍ୟାଜ୍ୟପଦାର୍ଥ ପକାଇବା ଫଳରେ ଜଳ ପ୍ରଦୂଷଣ ଘଟୁଛି, ଯାହା ପାନୀୟଜଳକୁ ଅଶୁଦ୍ଧ କରୁଛି ଓ ଜଳଜୀବୀଙ୍କ ଜୀବନକୁ ବିପଦରେ ପକାଉଛି । ରାସାୟନିକ ସାର ଓ କୀଟନାଶକ ବ୍ୟବହାର ମାଟିର ଉର୍ବରତା କମାଉଛି । ଶବ୍ଦ ପ୍ରଦୂଷଣ ମନୋଶାନ୍ତି ଓ ସ୍ୱାସ୍ଥ୍ୟକୁ ହାନି କରୁଛି ।

ପ୍ରଦୂଷଣର ପ୍ରଭାବ କେବଳ ଶାରୀରିକ ନୁହେଁ, ସାମାଜିକ ଓ ଆର୍ଥିକ ମାଧ୍ୟମରେ ମଧ୍ୟ ଦେଖାଯାଏ । ପରିବେଶ ଅସୁସ୍ଥ ହେଲେ ମାନବ ଜୀବନର ଗୁଣତ୍ୱ ହ୍ରାସ ପାଏ । ଜଳବାୟୁ ପରିବର୍ତ୍ତନ, ଅସମୟରେ ବର୍ଷା, ତାପମାତ୍ରା ବୃଦ୍ଧି ଇତ୍ୟାଦି ଏହାର ଫଳସ୍ୱରୂପ ।

ଏହି ସମସ୍ୟାର ସମାଧାନ ପାଇଁ ଆମ ସମସ୍ତଙ୍କ ଜାଗୃକତା ଆବଶ୍ୟକ । ଗଛ ଲଗାଇବା, ପ୍ଲାଷ୍ଟିକ ବ୍ୟବହାର କମେଇବା, ପରିବେଶ-ମୈତ୍ରୀ ପଦକ୍ଷେପ ଗ୍ରହଣ କରିବା ଓ ସରକାରୀ ନୀତିମାନଙ୍କୁ କଠୋର ଭାବେ ଅନୁସରଣ କରିବା ଆବଶ୍ୟକ । କଲେଜ ଛାତ୍ରଛାତ୍ରୀମାନେ ସଚେତନତା ଅଭିଯାନ ମାଧ୍ୟମରେ ସମାଜକୁ ପ୍ରେରଣା ଦେଇପାରିବେ ।

ସମାପ୍ତିରେ କୁହାଯାଇପାରେ, ପ୍ରଦୂଷଣ ଏକ ଗୁରୁତର ଚ୍ୟାଲେଞ୍ଜ । ଯଦି ଆମେ ଏବେ ସଚେତନ ହେବାକୁ ବିଫଳ ହେବୁ, ଆଗାମୀ ପିଢ଼ୀ ଏହାର ଭୟାବହ ପରିଣାମ ଭୋଗିବ । ସେହିପାଇଁ ପରିବେଶ ସୁରକ୍ଷା ଆମ ସମସ୍ତଙ୍କ ଦାୟିତ୍ୱ ।

ଶ୍ରୀ ରବିନ୍ଦ୍ର ନାଥ ଗୌଡ଼
ସିନିଅର ଆକାଉଣ୍ଟାଣ୍ଟ, ଜିଆଇଇଟି, ବଣିଆଟାଙ୍ଗି

हम सिर्फ़ दोस्त हैं

"हम सिर्फ़ दोस्त हैं", वे कहते हैं, जैसे कि स्पर्श और क्षणभंगुर नज़रें उनके चेहरों और उंगलियों पर सहस्त्राब्दियों से चलती आ रही हों। दो लोग एक-दूसरे की इतनी सुंदर आवाज़ सुनने की कोशिश करते हुए हँसी का सुरीलापन दिखाते हैं। एक-दूसरे की आवाज़ कानों में घुलती हुई होठों से होकर दिल तक फैल जाती है। आमने-सामने होने पर उनकी आँखें हल्के से सिमट जाती हैं।

मुझे आश्चर्य होता है — क्या बाकी सभी लोग इस बात से अंधे हैं कि हम उनके सामने क्या हैं? या शायद यह जोड़ी खुद मानती है कि हम अंधे हैं। शायद हमें लगता है कि हम उन्हें खुले में इतनी गहराई से बैठे हुए नहीं देख पाते।

"हम सिर्फ़ दोस्त हैं", वे इन शब्दों पर विश्वास करते हुए अपना बचाव करते हैं, भले ही उनके जानने वाले हर व्यक्ति के चेहरे पर आधी-अधूरी मुस्कान तैरती हो।

हम सिर्फ़ दोस्त हैं।

लेकिन अगर आप उनसे पूछें कि दूसरे की आँखों का रंग क्या है, तो जवाब सिर्फ़ काला या भूरा नहीं होगा। इसके बजाय वे अपनी नज़रें झुका लेंगे — पैरों की ओर या किसी ऐसी जगह की ओर जो सीधे आपकी तरफ़ न हो — ताकि आप उनके माथे पर हल्की वक्रता और होठों पर अनकही मुस्कान देख सकें।

वह मुझसे कहता है,

"आँखें धरती की तरह भूरी हैं। वे हमें ज़मीन से जोड़े रखती हैं। हमें याद दिलाती हैं कि हम सुंदर चीज़ों से जुड़े हुए हैं।"

ऐसे आदमी के होंठों से यह शब्द फिसलते हैं, जैसे उसने इस पर सोचा भी न हो — फिर भी इतनी सटीक काव्यात्मकता उसके स्वर में गूंजती है।

मुझे याद है वह कैसे बात करता था — सौम्यता और गर्मजोशी से भरा हुआ। हालांकि वह तुरंत यह कहकर बचाव करता कि वह सब से ऐसे ही बात करता है।

जब मैंने उससे अपनी किसी महिला मित्र की आँखों का रंग पूछा, तो यह झूठ साबित हो गया। उसने न केवल गलत जवाब दिया, बल्कि उसे काव्यात्मक बनाने की कोशिश में हकलाया भी। शब्दों के प्रति उसका जुनून केवल उसकी प्रेरणा-स्त्री तक सीमित प्रतीत होता है।

मुझे आश्चर्य होता है कि क्या उनकी बातें सच हैं। शायद हम सच में सिर्फ़ दोस्त हैं। हालांकि इस पर विश्वास करना मेरे लिए कठिन है।

मैं खुद को समझाने की कोशिश करती हूँ कि वे सच कह रहे हैं। लेकिन उनकी कही बातों में से कोई भी बात मेल नहीं खाती।

मेरे जीवन में पहले भी करीबी दोस्त रहे हैं, लेकिन किसी के साथ ऐसा जुड़ाव महसूस नहीं हुआ जैसा उनके बीच दिखता है — जैसे एक-दूसरे को देखते समय दुनिया थोड़ी धीमी हो जाती हो।

"हम सिर्फ़ दोस्त हैं",

लेकिन मैंने उनकी आँखों में वह चमक देखी है जब वे तय किए गए स्थान पर मिलते हैं।

"हम सिर्फ़ दोस्त हैं",

लेकिन वे एक-दूसरे की होम स्क्रीन पर हैं।

"हम सिर्फ़ दोस्त हैं",

लेकिन एक-दूसरे के पास खड़े होने पर उंगलियाँ छूने का बहाना ढूंढ लेते हैं।

"हम सिर्फ़ दोस्त हैं" —

और इससे बड़ा झूठ शायद ही कभी बोला गया हो।

नाज़नीन अख्तर
एमसीए, द्वितीय वर्ष

युवा शक्ति : देश का भविष्य

परिचय :
"युवा वे हैं, जिनके हाथों में शक्ति, पैरों में गति, हृदय में उत्साह तथा आँखों में सपने हों।" यही विशेषताएँ किसी भी राष्ट्र के युवाओं में नेतृत्व क्षमता, वैज्ञानिक दृष्टिकोण, तार्किकता, संगठन कौशल तथा नवाचार की भावना को जन्म देती हैं। निस्संदेह युवा ही किसी देश के भविष्य की दिशा निर्धारित करते हैं। स्वामी विवेकानंद का यह कथन — "मुझे सौ ऊर्जावान युवा दे दो, मैं नया भारत बना दूँ" — युवाशक्ति के महत्व को स्पष्ट करता है।

देश के भविष्य निर्माण में युवा शक्ति की भूमिका :
युवा अपनी नेतृत्व क्षमता से शासन-प्रशासन को सशक्त और प्रभावशाली बनाते हैं। वे लोकतांत्रिक मूल्यों को आगे बढ़ाते हुए समावेशी निर्णय प्रक्रिया में भागीदारी निभाते हैं। विश्व के अनेक देशों में युवा परिषदें नीति-निर्माण में सक्रिय भूमिका निभाती हैं। भारत में भी चुनाव, संसद तथा विभिन्न सरकारी संस्थानों के माध्यम से युवाओं को प्रशासनिक अवसर प्रदान किए जा रहे हैं।

आर्थिक विकास में युवाओं की भूमिका अत्यंत महत्वपूर्ण है। उद्यमिता, नवाचार और स्टार्टअप संस्कृति के माध्यम से वे रोजगार सृजन करते हैं और राष्ट्र की अर्थव्यवस्था को मजबूती प्रदान करते हैं। आज भारत की उभरती अर्थव्यवस्था के पीछे युवाओं की ऊर्जा और तकनीकी दक्षता एक प्रमुख कारण है।
सामाजिक सुधारों में भी युवाओं का योगदान उल्लेखनीय रहा है। सती प्रथा, बाल विवाह और पर्दा प्रथा जैसी कुप्रथाओं के विरुद्ध जागरूकता फैलाने में युवाओं की भूमिका महत्वपूर्ण रही है। नई सोच और वैज्ञानिक दृष्टिकोण ने समाज को प्रगतिशील दिशा दी है।

वैज्ञानिक प्रगति में योगदान :
युवाओं की नवाचारी सोच और नई तकनीकों को अपनाने की क्षमता देश को वैज्ञानिक उन्नति की ओर अग्रसर करती है। कंप्यूटर, इंटरनेट, मोबाइल फोन और आर्टिफिशियल इंटेलिजेंस जैसी तकनीकों ने विश्व को बदल दिया है। अनेक आविष्कार युवावस्था में ही किए गए, जिन्होंने विकास की नई संभावनाएँ खोलीं।

युवा शक्ति के दुरुपयोग से खतरा :
यदि युवाओं को उचित शिक्षा, कौशल और सकारात्मक दिशा न मिले, तो यही ऊर्जा गलत मार्ग पर भी जा सकती है। बेरोजगारी, अशिक्षा और निराशा अपराध तथा अस्थिरता को जन्म दे सकती है। इसलिए युवाओं को सशक्त और जागरूक बनाना आवश्यक है। महात्मा गांधी का कथन — "युवा राष्ट्र के निर्माता होते हैं" — इस सत्य को रेखांकित करता है।

सरकार के प्रयास :
भारत सरकार युवाओं के समग्र विकास हेतु विभिन्न योजनाएँ संचालित कर रही है, जैसे प्रधानमंत्री कौशल विकास योजना, डिजिटल इंडिया, स्टार्टअप इंडिया, आत्मनिर्भर भारत और मेक इन इंडिया। इन पहलों का उद्देश्य युवाओं की क्षमता को बढ़ाना और उन्हें आत्मनिर्भर बनाना है। खेल, साहित्य और नवाचार के क्षेत्र में पुरस्कारों के माध्यम से भी उन्हें प्रोत्साहित किया जा रहा है।

निष्कर्ष :
अंततः यह स्पष्ट है कि युवा केवल देश के नागरिक नहीं, बल्कि उसकी सबसे बड़ी शक्ति हैं। उनमें ऊर्जा, उत्साह, नई सोच और वैज्ञानिक दृष्टिकोण निहित है। यदि इस शक्ति को सही दिशा दी जाए, तो राष्ट्र का भविष्य उज्ज्वल और सशक्त होगा।
धन्यवाद।

विकाश कुमार
बी.टेक तृतीय वर्ष,
कंप्यूटर साइंस एवं इंजीनियरिंग

The Legendary Student Life

I came to college bright and bold,
With dreams of glory (so I was told).
A scholar fierce, a future star—
Now I just nap. A lot. So far.

My alarm rings at half past six,
I snooze it twelve more times—quick fix.
By the time I rise with sleepy grace,
My 8 a.m. has left no trace.

The lectures speak in ancient tongue,
Professors wise and mildly young.
They say, "This will be on the test!"
I write it down… then take a rest.

Cafeteria food, oh what delight—
A guessing game each day and night.
Is this pasta? Soup? Or art?
My stomach's brave. My taste buds smart.

Assignments travel in a pack,
Due tomorrow? Heart attack.
We form a group to "share the load,"
One does the work. The rest just code.

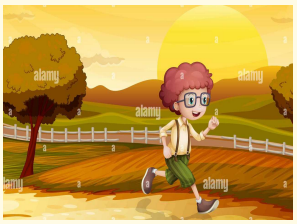
Exams arrive like sudden rain,
We study hard… the night before pain.
Highlighters bright, caffeine extreme,
Regret becomes our study theme.

Yet somehow in this chaos wide,
With messy hair and wounded pride,
We laugh, we live, we learn (a bit),
And master memes more than we admit.

So here's to college—wild and free,
Where broke is just a state of "me."
The grades may wobble, sleep may fall,
But best of all—we had a ball!

Shiba Prasad Moharana
Dean, Admission

The Endless Afternoon



Time did not tick when I was small;
It stretched like jaggery—warm and sweet,
Not a circle ticking on the wall,
But noon-heat rising from the tarred street.
Hours wandered barefoot through the day,
Lingering beneath a cloudless sky,
While cicadas stitched the silence tight
And sunlight refused to hurry by.

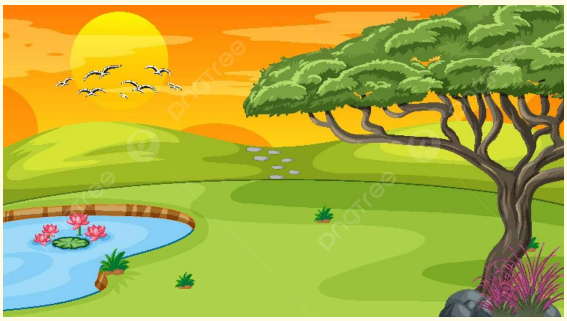
An hour lay wide, a village road,
A summer long enough to be
A lifetime waiting, freely owed,
Spent carelessly, endlessly free.
We wasted time like borrowed change,
Unaware it could ever run dry,
Rich in moments we didn't arrange,
Certain the day would never say goodbye.

We measured life by leaning shade,
By temple bells and lamps at dusk,
No questions asked of time's parade,
Just dusted feet and evening's husk.

Now years rush past like trains on steel,
Seasons turn before we understand.
I'd trade each tomorrow I'm yet to feel
For one yesterday held close in my hand.

— Ajay Bala
B.Tech, 2nd Year, CSE

Morning in the Garden



The sun wakes up without a sound,
no bell, no drum, no call to rise,
just a slow spilling of quiet gold
on dew-soft grass and closing skies.
It moves as if it knows the way,
as if it has been here before,
touching roofs and resting leaves,
slipping through each open door.

The earth exhales the breath of night,
cool and calm, unbroken, deep,
and shadows fold themselves away
like thoughts that finally choose sleep.
Pebbles glisten, pathways glow,
a sparrow tests the morning air,
and somewhere in the waiting light
the day learns how to be aware.

Leaves stretch out their tiny hands,
unfurling dreams they held in tight,
holding sunlight like a promise
made in the language of first light.
Each vein listens, each green edge
remembers how to grow and bend,
how strength is found in quiet reach
and patience knows when not to end.

A gentle breeze walks slowly by,
not rushing where it need not go,
combing clouds across the sky
with fingers made of drifting flow.
It whispers stories to the stems,
reminds the branches how to sway,
teaching movement without force,
showing how to change yet stay.

Flowers open, one by one,
no competition, no demand,
not chasing praise or racing time,
just answering what they understand.
Their colours rise without a sound,
no signal sent, no lesson taught,
yet beauty happens anyway,
as if it never needed thought.

No crowds gather, no voices cheer,
no trumpets mark the moment's start,
yet life begins again each day
with steady hope and faithful heart.
The garden does not question why
it starts again from where it stands;
it simply trusts the turning light
and does what life has always planned.

And in this calm, the earth seems wise,
not loud, but certain in its way,
it leans toward us and softly says,
"You too can start again today.
Begin like light, begin like breath,
without regret, without display.
Grow where you are, open slowly—
the morning always finds a way."

-Bhagyashree Sahoo
-2nd Semester MBA (2025-27)

Learning as a Path

I speak to you not only as a teacher,
but as a fellow traveller.
For learning, in its truest sense,
is a path we walk together—
slowly, sincerely,
and with awareness.

Education is often mistaken
for accumulation.
Marks, certificates, recognition—
these are milestones, not destinations.
The real destination
is clarity of mind
and steadiness of heart.

When you sit to study,
do not rush.
Let your attention settle.
A distracted mind gathers information;
a quiet mind receives understanding.
What you receive with patience
stays with you long after memory fades.

Discipline is not an external demand.
It is an inner alignment.
When thought, effort, and intention
move in the same direction,
learning becomes effortless.
This is why discipline,
rightly understood,
is an act of respect—
towards yourself
and towards knowledge.

Knowledge, remember,
is not separate from conduct.
What you learn should refine
how you speak,
how you listen,
and how you respond to the world.
If learning increases ego,
it has missed its purpose.
If it increases awareness,
it has fulfilled it.

There will be times
when the mind resists effort,
when comparison disturbs peace,
when outcomes feel uncertain.
At such moments,
return to sincerity.

Do your work without anxiety.
Let effort be your offering,
not a transaction.
Education is a form of sādhana.
Each lesson trains attention.
Each failure teaches humility.
Each success tests balance.

If you remain anchored,
neither inflated by praise
nor discouraged by delay,
you are truly learning.

Silence has a place in education.
Not as absence,
but as presence.
In silence, confusion settles.
In silence, insight arises.
Cultivate moments
where you are fully with your work—
undivided, unhurried.

As you gain knowledge,
grow in gratitude.
For teachers,
for time,
for opportunity.
Gratitude keeps the mind light
and the heart receptive.

Do not ask education
only what it will give you.
Ask also what it will make of you.
Let it shape discernment,
compassion,
and responsibility.

When learning matures into wisdom,
ambition softens into purpose.
Competition transforms into contribution.
And success, when it arrives,
does not disturb inner balance.

If education leaves you
more aware than restless,
more disciplined than anxious,
and more humane than before,
then it has served its highest role.

And if I can walk with you
even a short distance
on this inward journey,
then teaching,
for me,
becomes a privilege
and a prayer.

-Dipti Ranjan Nayak
Asst. Prof. (Finance)
Dept. of MBA

Greed Over Green

I learned to measure the seasons on
Barunei Hill
through green vegetation ancient rocks
and patient trees.
A year ago beauty spoke loudly here.
Today it whispers almost in fear.

We call it progress
yet it consumes like hunger
without memory without remorse.

The hill loses its skin.
The birds have abandoned their sky.
Those who loved this earth
are told that love does not generate profit.

Things disappear without farewell.
Roots are torn apart
for comforts that will not last.

How far will we go as human beings
for a brief shine
for a satisfaction that fades
sooner than the dust we leave behind?

If the hill dies
something within us dies too
something ancient
something that once knew
how to live with the land
instead of over it.

- Jolly Bairiganjan
Asst. Professor
ECE Department

In Search of Peace, My Mind Does Roam

In search of peace, my mind does roam,
Seeking refuge, a moment to call my own.

Longing for silence amidst the noise,
While my breaking heart speaks without voice.

I am drowning, clutching at a fragile straw,
Yearning for steadiness, a breath to draw.

Lost in the crowd, in a world so wide,
Afraid of losing myself to the tide.

I wish to vanish, to disappear one day,
To find a quiet corner where I can stay.

Where solitude hums with gentle ease,
Far from the chaos, wrapped in peace.

Life feels tangled, why so much pain?
Why does love sometimes carry strain?

No one perceives, no one can see,
The silent storm that lives in me.

Yet I keep walking, seeking my road,
Certain my heart knows its destined abode:
Peace, the calm I softly pursue,
In the midst of chaos, it carries me through.

BishnupriyaBaliarsingh
Assistant Professor,
Department Of BSH

Memories

Once again
the monsoon came
and his heart tore apart
with the sound of thunder and lightning.

But more than the storm outside
it was her memories
that shattered him from within.

He wanted her back in his life
though he knew
things were not the same
and could never be the same again.

Still he craved her
and her love
knowing very well
that he longed for the old her
the one who was lost
somewhere inside the new her.

And his heart would not allow him
to live with the new version of her.

All he could do
was live with the sweetness of her old memories
carefully stored
and quietly preserved
in a sacred place
at the core of his heart.

Jagannath Pradhan
Assistant Professor
Department of BSH

The Living God

(An Ode to My Father)

From my first breath to this very day,
Beneath his shield I found my way.
Upon his shoulders, the world felt wide,
As though the moon walked by my side.

His blessings flow like a silent stream,
The living God of every dream.
He bears the thorns, the toil, the fears,
To plant my smile and hide my tears.

While I chase skies on wings of hope,
He folds his hands and learns to cope.
In silent prayers, he speaks my name
And asks no glory, seeks no fame.

No grudge he keeps, no debt he claims,
Only steady love through shifting flames.
His weary hands, though rough with care,
Still guard my steps from every snare.

With a gentle touch upon my brow,
He plants the truth I carry now:
"Through every storm, through every tide,
Hold fast to honour and your pride."

If faith must take a human form,
It stands in him through calm and storm.
For in his shadow, strong and broad,
I learned to see the face of God.

Priyasmita Barik
Assistant Professor
Department of BSH

Miles Within Me

I did not begin with certainty.
I began with a small belief
that somewhere beyond fear
a better version of me was waiting.

The first step was not loud.
There was no applause
no spotlight
no guarantee of success.
Only a quiet decision
to try.

The journey unfolded slowly.
Some days were filled with confidence
others with questions.
I stumbled more than once
wondering if I was moving fast enough
strong enough
far enough.

But life does not measure growth
in comparison.
It measures it in resilience.

Every challenge became a mirror.
It showed me my weaknesses
yet also revealed my strength.
Each setback carved patience into my character
each failure sharpened my focus.

I learned that progress is not always visible.
Sometimes it is hidden
in discipline
in consistency
in showing up even when motivation fades.

There were moments when the path seemed endless
when the climb felt steeper than expected.
But I discovered something powerful.
The mountain outside is never greater
than the determination within.

I stopped chasing perfection
and started embracing effort.
I stopped fearing mistakes
and started collecting lessons.
I stopped waiting for the right time
and started creating it.

The world may see only achievements
certificates
titles
milestones.
But I know the real victory
lies in the transformation.

The shy boy who once hesitated
now walks with purpose.
The uncertain mind
now thinks with clarity.
The dream that once felt distant
now feels within reach.

My journey is still unfolding.
There are miles yet to walk
goals yet to achieve
risks yet to take.

But I move forward with faith
that every step matters.
Not because the road is easy
but because I have grown strong enough
to walk it.

And if tomorrow brings new storms
I will face them the same way I began.

With belief
with courage
and with the quiet promise
to never stop moving ahead.

— **Satyabrata Sutar**
2nd Semester (MBA)

Economics of the Earth: A Woman's Measure

She is not a story of one life,
but a principle in motion.
An idea shaped by discipline,
where economics listens to nature
and progress learns restraint.

She stands where numbers meet seasons,
where growth is calculated
not by haste,
but by balance.
In her world, prosperity is not extracted—
it is cultivated.

Markets rise and fall like monsoons.
Policies shift like wind.
She reminds us that stability
does not come from prediction alone,
but from preparation.
From understanding cycles
older than spreadsheets,
yet no less strategic.

Agribusiness, in her vision,
is not an industry detached from life.
It is negotiation—
between human ambition
and ecological limit.
Between yield today
and soil tomorrow.

Discipline anchors her thought.
Not as rigidity,
but as rhythm.
The kind that governs planting and harvest,
investment and return.
Order, she teaches,
is what allows uncertainty
to be managed rather than feared.

She values data,
yet refuses to let it speak alone.
Every number carries consequence.
Every surplus, a responsibility.
Efficiency matters—
but only when equity is remembered.

She belongs to no single classroom,
no specific institution.
She exists wherever decisions are made
with patience,
where strategy respects continuity,
and where economics is guided
by stewardship rather than speed.

In a time that celebrates rapid expansion,
she chooses sustainability.
In systems that reward excess,
she advocates equilibrium.
Her leadership is measured,
her strategy rooted,
her discipline enduring.

She is not an autobiography.
She is a framework.
A reminder that economies endure
not by consuming endlessly,
but by knowing
when to preserve,
when to grow,
and when to wait.

And perhaps that is her greatest lesson—
that the most powerful growth
is the kind that remains.

Mousomi Kuila
Asst. Prof. (ABM)
Dept. of MBA

My Journey Forward

I began with a question
quiet and unsure,
standing at the edge of tomorrow
with dreams I could not yet measure.

The road was not always clear.
Some days were filled with sunlight,
others wrapped in doubt.
But every step taught me
that progress is not about speed
it is about courage.

I learned that failure is not an ending.
It is a teacher with firm hands
and honest lessons.
Every mistake shaped my vision
every challenge strengthened my will.

There were moments
when the climb felt heavy
when voices around me said
slow down or turn back.
But inside me lived a whisper
that said move forward.

I chose to believe that whisper.
Dreams are not built in comfort.
They are built in persistence
in late nights and early mornings
in silent efforts no one sees.
They are built in faith
that today's hard work
becomes tomorrow's strength.

Along this journey
I discovered something beautiful.
Success is not a destination.
It is growth.
It is becoming braver than yesterday
wiser than last year
kinder than before.

I walk ahead now
not because the road is easy
but because I trust my steps.
Every fall has given me balance.
Every setback has given me direction.

The sky is wide
and my dreams are wider.
I carry hope like a compass
and determination like a flame.

This journey is mine.
Imperfect yet powerful.
Uncertain yet full of possibility.

And I will keep moving
with belief in my heart
and strength in my stride
toward a future
I am ready to create.

— Swapnamayee Bhujabal
2nd Semester (MBA)

Algorithm of the Earth

Nature runs on silent code,
A self-executing cosmic mode.
No compiler hums, no screen is lit,
Yet every system perfectly fits.

Trees branch out in recursive form,
Data structures weathered by storm.
Fractals iterate leaf by leaf,
Geometry scripted beyond belief.

Rivers stream in adaptive flow,
Routing packets where they must go.
Terrain becomes a dynamic map,
Each curve reducing loss and gap.

Winds resolve their vector fields,
Balancing force that pressure yields.
Clouds compile in shifting frames,
Running climate-based subroutines.

Seasons loop in cyclic thread,
Old states cleared, new variables spread.
Mountains archive tectonic logs,
Time compressed in stone-built nodes.

Stars transmit in spectral light,
Encrypted pulses through the night.
Planets orbit in synchronized rings,
Bound by gravity's governing strings.

From quantum bits in the atom's core
To ecosystems running evermore,
Feedback loops sustain the whole,
Entropy shaping every role.

No glitch appears, no random start,
Probability writes its art.
What we code in silicon and steel
Is but an echo of what is real.

Before circuits sparked and servers hummed,
Before algorithms were named or summed,
The Earth had launched its primal scheme—
A boundless open-source supreme.

We did not invent technology.
We only learned to imitate
The original operating system—
Nature's infinite architecture.

Sai Jagnyaseni Rana
Assistant Professor
Dept. of BSH

Beyond the Lab: Where Chemistry Lives

In cups of tea at break of day,
Where sugar dissolves and slips away,
In rising steam and warming hands,
Chemistry speaks in quiet strands.

In kitchens lit by flame and heat,
Where molecules in rhythm meet,
Spices fuse and flavours rise,
Invisible bonds before our eyes.

In iron gates that bloom with rust,
In fruits that ripen as they must,
In milk that curdles, grains that bake,
Transformation marks each wake.

In air that carries scent and breath,
In oxygen guarding life from death,
In cells where silent signals weave,
In bonds that form and never leave.

In hearts that join without a sign,
Like atoms sharing valence line,
Attraction sparked by hidden force,
Nature scripts its steady course.

From dawn to dusk, through loss and gain,
In joy and toil, in sun and rain,
The ordinary turns sublime—
Reaction layered over time.

Beyond the lab, beyond the flame,
Beyond each formula and name,
Chemistry lives in all we see—
The pulse of change, the art of "be."

For life itself, in grand design,
Is matter moving through space and time.

Sangita Moharana
Assistant Professor
Department of BSH

School Life

School life is a season of pure delight,
Mornings filled with laughter and afternoons bright.
Classrooms alive with lessons we cherish,
Moments so precious we never want to perish.

Guided by teachers patient and wise,
Who help our small dreams begin to rise.
They teach us to read, to write and to speak,
To colour our thoughts and the knowledge we seek.

Each passing day brings something new,
Fresh ideas, fresh challenges and friendships too.
With gentle guidance and caring grace,
They nurture our minds at a steady pace.

Like parents in spirit, they give their best,
Shaping our future through every test.
Within limited hours and structured time,
They turn simple lessons into something sublime.

Yet school is not only books and rules,
It is laughter echoing across playgrounds and pools.
Recess bells ring and worries run free,
As we share our meals beneath a shaded tree.

We play, we compete, we stumble, we grow,
Building bonds that only childhood can know.
Friends from different homes and ways of life,
Learning together beyond joy and strife.

Special events bring excitement and cheer,
Storytelling prizes and trophies we hold dear.
Art competitions, field trips and canteen days,
Memories woven in countless ways.

School life is a treasure beyond compare,
A time of innocence free from care.
Though adulthood waits with its serious tone,
These golden days will never be gone.

For now, in the warmth of youthful delight,
I cherish each morning and every night.
Among teachers and classmates, every girl and boy,
School remains my world of wonder and joy.

- Sachin Kumar
Diploma, 2nd Year, EE

SHE WHO REMAINS

She walks through silence
where pain speaks loudly,
where corridors echo with worry
and fear hides behind brave faces.
Her hands are steady
even when her heart is tired.

She learns to smile
between long shifts and short breaths,
to give comfort
before asking for rest,
to whisper hope
when families wait in uncertainty.

Not every hero wears glory—
some wear patience,
some wear gentle strength,
and heal the world
one quiet moment at a time.

She heals with hands,
hopes with heart,
stands strong
when others fall apart.
In every pulse she checks,
in every wound she dresses,
there is unseen devotion.

Through sleepless nights
and silent pain,
through alarms and anxious calls,
she stays—
calm in the rain,
a steady light
when the world feels dim.

Not just a job,
not just care—
a nurse is resilience,
is courage,
is compassion in motion.

She remains
when strength is needed most,
turning ordinary hours
into extraordinary service.

Neelotpala Gochhi
BSc Nursing 1st Year

Still, I Walk

The night feels kind,
quiet and endless,
as if it understands
how long the day has been.

The wind leans close and whispers,
"Rest now…
no one will notice."
And for a fragile moment,
I almost surrender to it.

The silence is soft.
The darkness forgiving.
It offers comfort
without question.

But somewhere within,
beneath the fatigue and doubt,
live the promises
I once made to myself
on days when courage
stood taller than fear.

They do not shout.
They do not command.
They pull gently—
like a distant light
refusing to fade.

They remind me
that weariness is not defeat.
That slow steps
are still steps forward.
That even trembling resolve
is stronger than giving up.

So with tired feet
and a heart heavy with unfinished battles,
I rise again.

I choose the road.
I choose the effort.
I choose the unfinished dream.

Because rest can wait.
Comfort can wait.
Even applause can wait.
But the dreams
I owe to my braver self—
those cannot.

And so, still, I walk.

— **Prof. Silki Sonali Choudhury**
Dept. of EACE

She Walks, Therefore the World Learns

She was born into a world that never paused to ask
if her shoulders were ready for its weight.
The morning she arrived, the sun did not announce her name,
the streets did not rearrange themselves,
and yet—quietly—history inhaled.

She learned early that the world is a marketplace of expectations.
Some priced her dreams low,
others tried to brand her silence as virtue.
They handed her rules before alphabets,
boundaries before wings,
and told her success must always wear permission.

But she listened—to something deeper than instruction.
In classrooms of noise and corridors of doubt,
she discovered that strength is not volume
and leadership is not dominance.
Like a well-run organization,
she aligned purpose before power,
values before applause.

She failed—yes.
She stumbled where confidence was expected,
paused where speed was rewarded.
But unlike fragile systems built on vanity,
she redesigned herself with every breakdown.
Risk became her curriculum,
resilience her core competency.

She watched the world closely.
She saw how decisions were made—
how fear often sat at the head of the table,
how ethics were negotiable when profits spoke louder.
And she decided, without announcement,
that she would not mirror what was broken.

Instead, she chose balance.
Ambition with empathy.
Discipline with compassion.
Progress that did not leave others behind.
In meetings where her voice trembled at first,
she spoke anyway—
not to win arguments,
but to introduce clarity.

They called her emotional,
not knowing emotions are data too.
They called her soft,
unaware that the strongest systems are flexible.
They mistook patience for weakness,
until time revealed her consistency
outperformed their urgency.

At home, she learned invisible
management—
coordinating dreams with duties,
negotiating time,
leading without titles.
At work, she learned visibility—
that excellence, when sustained,
eventually forces recognition.

She did not chase success as spectacle.
She built it like infrastructure—
slow, ethical, inclusive.
Her victories were not loud,
but they lasted.
Her failures were not final,
but formative.

One day, younger eyes followed her walk.
Not because she announced herself as a role model,
but because representation is powerful
even when unintentional.
She became proof—
that leadership can look like listening,
that authority can coexist with kindness,
that ambition need not abandon humanity.

She walks today in a world still unfinished.
Inequalities persist.
Ceilings remain.
But so does she—
asking better questions,
building better systems,
and reminding us that progress is not an accident
but a disciplined choice.

And as a teacher of management,
I observe her not as a case study,
but as a living strategy—
one that teaches us this enduring lesson:

When a woman rises with integrity,
the organization improves.
When she leads with conscience,
the system stabilizes.
And when she believes in herself,
the future recalibrates.

She walks—
and therefore, the world learns.

Subhashree Swain
Asst. Professor (HR & Marketing)
Dept. of MBA.

A Memory That Stayed

The fan hummed softly overhead,
chalk dust drifting through streaks of sun,
the classroom felt like any other day—
ordinary, almost undone.

Then you walked in.

A black dress resting quietly on you,
black slippers brushing the tiled floor,
your steps were gentle and unannounced,
yet my heartbeat echoed more and more.

Your smile was not meant for anyone,
it simply lived in its own light—
small, effortless, unguarded,
and impossible to escape from sight.

I kept my gaze upon my notebook,
pretending to follow the lesson's flow,
while my thoughts abandoned every word
just to watch you move slow.

Every pause, every quiet glance,
every strand of hair you pushed aside,
became a story my heart rewrote
again and again inside.

That day never became a chapter—
it remained a single line,
a moment too simple to explain,
yet too powerful to decline.

Now it rests somewhere within me,
like a page I never burn—
20th June, Class Eleven,
a memory to which I still return.

Sumit Kumar Giri
B.Tech 2nd Year CSE

When Meaning Leads

Before leadership learns to command,
it must learn to speak.
And before speech becomes powerful,
it must learn restraint.

She is not a person here—
she is a principle:
that direction is born
not from volume,
but from meaning.

In a world crowded with declarations,
she stands for articulation.
The careful placement of thought.
The pause that allows understanding
to catch up with intention.
She reminds us that communication
is not the act of speaking,
but the discipline of being understood.

Strategy, in her language,
is not aggression.
It is architecture.
A design where ideas are aligned
before they are executed,
where vision is clarified
before it is accelerated.

She belongs to every room
where decisions hesitate.
Where uncertainty demands translation,
not pressure.
Where disagreement needs framing,
not force.

Leadership, she suggests,
is a conversation sustained over time.
It listens as much as it directs.
It persuades without erasing.
It influences without overwhelming.

In systems that collapse under noise,
she introduces coherence.
In moments of conflict,
she reframes rather than reacts.
She understands that people resist orders,
but respond to reason.

Her strength is subtle.
It does not announce itself.
It structures thought,
connects intention to outcome,
and ensures that action
moves in the same direction as purpose.

She does not chase authority.
She earns alignment.
She does not dominate dialogue.
She cultivates it.
Her leadership travels
through trust,
not fear.

Strategy, through her lens,
is ethical clarity.
Choosing words that do not divide,
plans that do not exclude,
and outcomes that do not compromise integrity.

She exists wherever communication
becomes responsibility.
Where language is treated
as a tool of influence,
not control.
Where leadership understands
that what is said today
shapes decisions long after.

She is not an individual.
She is a method.
A reminder that the most enduring leaders
do not shout directions—
they create understanding.
And when meaning leads,
people follow
without being pushed.

Swati Swetalin Martha
Asst. Prof. (HR & Finance)
Dept. of MBA

The Architecture of the Soul

We are not built of bone and skin alone,
But of the seeds that every year has sown.
A patchwork quilt of sunlight and of rain,
Constructed out of wonder joy and pain.

We are the sum of every path we've walked,
Of every silence kept and word we've talked,
A living map of places we have been,
And all the quiet miracles within.

Each memory stands a brick within the wall,
Holding us steady so we do not fall.
The scent of autumn drifting through the street,
A fleeting smile a stranger's glance we meet.

The laughter echoing from younger days,
The lessons learned in hidden winding ways,
The fragile line between the was and now,
Between who we were and who we allow.

Every scar becomes a careful art,
A careful carving in the heart.
Every loss reshapes the inner dome,
Where hope still builds its silent home.

So cherish every spark and every breath,
For memory is the shield we hold from death—
A living structure time cannot dissever,
Built of the things that stay with us forever.

— **Prof. Sarojini Malik**
Dept. EACE

A Step Beyond Fear

I once stood at a silent crossroad
uncertain of which way to go.
Dreams were bright in my eyes
yet doubt moved quietly in my shadow.

The world seemed vast and competitive
filled with voices louder than mine.
For a moment I questioned
whether my light would ever shine.

But life has a gentle way
of teaching strength through trials.
Every obstacle carved patience
into the language of my smiles.

There were nights of over thinking
and mornings of quiet resolve.
Problems that seemed impossible
slowly began to dissolve.

I learned that growth is gradual.
It does not arrive in a day.
It is built in unseen effort
when no one watches the way.

Each failure shaped my courage.
Each mistake refined my mind.
Every step forward whispered
leave your fear behind.

The journey is not a race
against the speed of others.
It is a promise to yourself
to rise stronger than your struggles.

I carry hope like a compass
guiding me through uncertain skies.
With discipline as my anchor
I allow my confidence to rise.

The future is not something
I wait for silently.
It is something I prepare for
with belief and dignity.

Today I walk with clarity
not because the path is clear
but because I trust my strength
to move beyond fear.

And if tomorrow brings new challenges
I will face them as I always do
with steady faith in my heart
and dreams that remain true.

— **Arpita Das**
4th Semester (MBA)

The Botanical Academy

When thunderclouds gather across the sky and the June rain begins to fall,
The damp eastern breeze walks across the moor,
Playing its soft music through the reeds.

Then, as if by secret signal,
Swarms of flowers rise from nowhere,
Laughing brightly upon the grass.

Mother, I truly believe the flowers attend school beneath the earth.
They sit in quiet rows behind closed doors,
Learning lessons no one can hear.

And if one dares to bloom too soon,
Its teacher surely makes it stand against the wall.

Each morning, I see children walking to school,
With backpacks heavy with books and duties.
But the flowers burst into daylight empty-handed,
Carrying only colour and fragrance,
And perhaps that is why they seem so happy.

If anyone were to discover the kingdom of the Flower King,
Who would not wish to visit?

I imagine he lives beneath the soil,
In a vast palace woven of roots and rain.
He calls them early to their studies,
Teaches them patience, strength and grace.

Yet they learn swiftly.
By noon, their lessons are complete,
And once again they rise to the world above,
Spreading joy without complaint,
As if education itself were meant to bloom.

Dona Chakraborty
Assistant Professor, Dept. of CSE

The Choice

We all want the magic — the flute in the air,
The way Radha laughed with the wind in her hair.
To be chased through gardens adored and desired,
By a Krishna whose spirit is liquid and fired.

It's easy to love when the world is in bloom,
When silk lines the bed and there's no scent of doom.
To look for a victor a man on a throne,
And wrap in his glory to make it your own.

But who wants the exile the dust on the skin,
The hour when "forever" begins wearing thin?
When Ram lost his kingdom his titles his gold,
The palace grew silent the marble grew cold.

Sita asked for no promise no map of escape.
She chose the wild forest its hunger its shape.
"Where you must wander there I will be."
No jewel weighed more than loyalty.

She traded the diamonds for scratches and scars,
For sleep on the earth under indifferent stars.
The throne turned to memory ashes and flame,
Yet love did not loosen its hold on his name.

It's human to hunger for sunlight and shine,
To want all the laurels before they are thine.
But a king is not forged by the gems in his crown;
He's shaped by the one who will not look down
When his pockets are empty his victories few,
When the world that once praised him forgets what he knew.

Will you bring water and bread to his side,
Or vanish like comfort like momentary pride?

Do not pray for a legend nor worship the fire,
If you only love music the glow and the lyre.
The deepest of bonds are not born in display,
Not in Radha's bright whirl of a midsummer day.

They grow in the Sita-step steady and slow,
Through forests of doubt through loss and through woe.
If you will not walk when the road turns unsure,
Do not seek the crown or the kingdom secure.
For love is not choosing the glory and sun.
It is choosing the man when the glory is gone.

— Arman Kumar Rout
B.Tech, 2nd Year, CSE

The Last Bench Diaries

"A tribute to silent observers and hidden geniuses"
They called us silent—
last-benchers,
daydreamers,
the ones who listened more than we spoke.

We didn't raise our hands,
but we raised questions—
quietly,
carefully,
between doodles in the margins
and glances through open windows.

While toppers chased marks,
we chased meaning.
While the world solved equations,
we wondered why they existed.

Our notebooks held more than notes—
they carried lyrics,
unfinished sketches,
stories no one asked us to write.

We were not first in line,
but we noticed everything—
the cracks on the classroom wall,
the hesitation in a teacher's voice,
the poetry hidden in silence.

No medals.
No microphones.
Just minds that saw differently
and hearts that felt deeply.

We were never the top of the class.
But we were always observers of the world—
still writing,
still dreaming,
still watching,
still becoming.

Debraj Naik
B.Tech 2nd Year EACE

Wings of Tomorrow

I stand at the edge of possibility
with dreams stitched quietly into my heart.
The world ahead is wide and uncertain
yet full of light waiting to be discovered.
There were days when the path seemed distant
when doubts whispered louder than hope.
But I learned that strength is not loud.
It grows silently within persistence.
Every challenge became a stepping stone
every failure a lesson in disguise.
I stopped fearing the fall
and started trusting the rise.
The journey is not about racing others.
It is about surpassing yesterday's self.
It is about learning with humility
and striving with purpose.
Late nights taught me discipline.
Hard questions taught me clarity.
Setbacks taught me patience.
And belief taught me courage.
I realized that success is not a sudden spark.
It is a steady flame protected from doubt.
It is built through small efforts
repeated with determination.
I carry ambition in my vision
and compassion in my decisions.
Because growth without values is empty
and achievement without gratitude is incomplete.
The sky does not limit my dreams.
It inspires them.
Each new sunrise reminds me
that beginnings are always possible.
I walk forward with confidence
not because the road is smooth
but because I am stronger than my fears.
This journey is mine to shape.
With resilience as my guide
and hope as my companion
I will keep moving ahead.
Step by step
dream by dream
I will rise
and I will shine.

Arpita Sahoo
MBA 2nd Year

The Incorrigible Poet

I've exhausted all my vocabulary,
Trying desperately to adjust and readjust
My definitions of this despondency.
How do I phrase it in words that you understand?
How do I tell you that I don't understand it either,
That it has clawed right into my skin?
What I pick apart now is myself,
Little by little—
Every cracked knuckle is a reminder of the sound
That my heart makes, in the hopes that maybe someone could make sense of it.

My friend, who now lives miles away,
Can tell from my sighs.
He can tell I haven't been able to keep my strength.
I've let this certain kind of darkness take over.
Why? Because it lets me create.
In creating, I lose myself a little.
Every punctuation is a scar
Along the length of my arms.
My arm is an intersection of streets and these words too often collide
Incomprehensibly.

What is left of this language that can make
A cry for help sound like a lullaby?
To what ends does this endurance stretch,
And what becomes of a person who's only learnt
To be silent in the face of tragedy?

My words have forsaken me.
There are no new ways for me to make peace with myself. I can no longer write this void away.
I'm drowning in my desperate attempts at finding meaning within this disarray of emotions.
My anchor has long abandoned me.

Megha Acharya
Assistant Professor, Department of BSH

GOD of very small things

Oh God,
Where are you?
In people's hearts, in their minds, in their thoughts or in their deeds?
Then why are they so alone?

Oh God,
Where are you?
In the ocean, in the wind, in the fire or in the universe?
Then why are these places so solitary?

Oh God,
Where are you?
In lovers' love, in haters' hate, in a mother's affection or in a father's hidden care?
Then why are they so blemished?

Oh God,
Where are you?
In destructive events, in ceremonial activities, in ICU chambers or in infants' cries?
Then why do people shout here?

Oh God,
Where are you?
In saints' tapasya, in devotees' love, in the tears of sorrowful people or in the endowments of the rich?
Then why are you believed eternally?

Oh God,
You are the Creator, you are the Destroyer, you are the pioneer of the entire universe.
So the universe is called the "God of Very Small Things."

Prof. (Dr.) Diptirani Behera
Dept. of BSH

Earth's Music

The bamboo bushes were shimmering golden
standing next to the mango blossoms.
A slowly crawling caterpillar was undergoing
transformation to become a pupa.
My eyes are wanderers of the night
So I can listen like a chameleon and sing like
a bird
See all that the eye of a caterpillar knows.

The blanket of guava tree leaves became
crunchy and crunchy for a stray cow to savor
On its tongue.

My tongue does not speak
For how can you ask
A toddler without teeth?

Squirrels have also been having a
conversation about tongues among
themselves.
Suddenly the honey bees appear and a few
elderly butterflies
For the moon to look through the window
Into my bed
Into my faceless face.

Thus as I kept my ears close to the squirrels a
pair of dhaman snakes were already there
with us for lunch.

Freshly cut ripe mangoes guava and drumsticks
slowly cooked with paste of mustard seeds
And a plate full of red boiled rice cooked with a
pinch of coarse salt.

My mother long ago forgot that she was living
inside the ground
With her mother who once built her a hut.
Offering a bowl of milk to her heavenly god is a
memory she enacts.

But how much can my eyes see the difference as
a caterpillar
When I eat my plate of ripe mangoes
Sitting inside the mud hut
That my grandmother once
Asked help from these two dhaman snakes to
teach her to make one for her child.

How can I forget what I have seen
Piling like dry sand far from its river
Next to a road.

Prof. Jolly Bairiganjan,
Dept. of ECE

ପୁଅ ମାନ ଝିଅ ସମ୍ମାନ

ପୁଅ ହୁଏ ସିନା ତୁମରି ବଂଶ
ଝିଅ ହୁଏ ପରା ତୁମରି ଅଂଶ

ପୁଅ ସିନା ରଖେ ତୁମରି ମାନ
ଝିଅଟି ବଢ଼ାଏ ତୁମ ସମ୍ମାନ ॥

ପୁଅ ସିନା ଅଟେ ତୁମ ସଂସ୍କାର
ଝିଅ ପରା ଘର କରାଏ ମନ୍ଦିର

ପୁଅ ସିନା ଅଟେ ଜୀବନ ଗୀତ
ଝିଅ ପରା ତୁମ ପ୍ରେମ ସଂକେତ

ଦୁହିଁଙ୍କ ପାଖରେ ତୁମ ସମ୍ମାନ
ପୁଅ ଝିଅଙ୍କୁ ନ ଦେଖ ଭିନ୍ନ

ପୁଅ ଝିଅ ଦୁହେଁ ତୁମରି ଗର୍ବ
ପାଇଛି ତ ଯିଏ ଲୋଭିବ ସ୍ୱର୍ଗ

ଶ୍ରୀ ରବିନ୍ଦ୍ରନାଥ ଗୌଡ଼
ସିନିୟର ଆକାଉଣ୍ଟାଟ୍,
ଜିଆଇଇଟି, ଭୁବନେଶ୍ୱର

କଲେଜ ଛାତ୍ର ଜୀବନ

କଲେଜ ଗଲି ମଧୁର ସ୍ମୃତି,
ମନ ଭରି ଯାଏ ପ୍ରତିଦିନ ଇତି।

ସେଇ ଗଳି, ସେଇ ଦୋସ୍ତମାନେ,
ସମ୍ଭାଳି ରଖିଛି ମୋ ହୃଦୟ ଭିତରେ।

ପାଠ ପଢ଼ାର ଚାପ ଓ ଆଶାର ପାରା,
ସର୍ଲ ସ୍ମିତ ଓ କଷ୍ଟର ଛାଇ—

ଡିଗ୍ ଗାଲା ଶିକ୍ଷକଙ୍କ ଗଭୀର ଶିକ୍ଷାରେ,
ହସି ବାତ୍ସଲ୍ୟ ଭରି ଜୀବନ ପାଟରେ।

ପରୀକ୍ଷା ରେ ବେଳେ ଲାଇଲା ହୃଦୟ,
ସଂଗୀତ ରେ ଥରେ ହସେ ଜୀବନ—

କଲେଜ ଜୀବନ ଏଇ ଅବିସ୍ମରଣୀୟ ଯାତ୍ରା,
ସ୍ମୃତି ଆମ ପାଇଁ ସୁନ୍ଦର ଏବଂ ଅମୂଲ୍ୟ।

ଶ୍ରୀ ବିଶ୍ୱ ଭୂଷଣ ମିଶ୍ର
ଆକାଉଣ୍ଟ ଅଫିସର,
ଜିଆଇଇଟି, ଭୁବନେଶ୍ୱର

ହସରୁ ବିରହ ପର୍ଯ୍ୟନ୍ତ

ଆମେ ହସିଥିଲୁ ଅନନ୍ତ ଆକାଶ ତଳେ
ହୃଦୟ ମିଶିଥିଲା ନିରବ ସ୍ପନ୍ଦନରେ ॥
ବିଦାୟର କଥା ଥିଲାନି କେବେ,
ସେ ସମୟ ଲାଗୁଥିଲା ଅବିରତ ଓ ସ୍ୱପ୍ନମୟ ॥

ତୁମ ସ୍ପର୍ଶ ଥିଲା ଯେମିତି ସୂର୍ଯ୍ୟକରଣର ଉଷ୍ମତା,
ମନକୁ ଦେଉଥିଲା ଶାନ୍ତିର ଆଲୋକ ॥
ପ୍ରତ୍ୟେକ ଦୃଷ୍ଟିରେ ଥିଲା ଏକ ନିରବ ପ୍ରତିଜ୍ଞା,
ଅନନ୍ତ ସମୟକୁ ସାକ୍ଷୀ କରି ॥

ଦିନଗୁଡିକ ହସରେ ଭରିଗଲା,
ଓପନ ଥିଲା ହାଲୁକା ପକ୍ଷୀ ପରି ॥
ପ୍ରେମ ବହୁଥିଲା ନୀରବ ନଦୀ ପରି,
ଆମ ମନର ଗଭୀରତାରେ ଅବିରତ ॥
କିନ୍ତୁ ସମୟ ଧିରେ ବଦଳିଗଲା,
ପଥ ହେଲା ଭିନ୍ନ ଓ ଦୂର ॥
ତୁମ ନାମ ଆଜି ମଧ୍ୟ ପବନେ ଆସେ,
ତୁମ ସ୍ପର୍ଶ ହେଲା କେବଳ ସ୍ମୃତିର ସୁର ॥

ଯେଉଁଠି ଥିଲା ହସର ଉଜ୍ଜ୍ୱଳ ଆଲୋକ,
ସେଠି ଏବେ ହେଲା ନିରବ ଛାୟା
ଲୁହ ଧିରେ ଝରେ ଆଖିକୋଣରେ
ତୁମ ଅଭାବର ମୃଦୁ ବେଦନାରେ ॥

ତଥାପି ପ୍ରେମ ମରେନି କେବେ,
ସେ ରହେ ସ୍ମୃତିର ମୃଦୁ ସ୍ପନ୍ଦନରେ ॥
ହସରୁ ବିରହ ଏହି ଯାତ୍ରା
ଆମ ହୃଦୟରେ ରହିବ ସଦା ନିରବ ଗୀତରେ ॥

ସେ ସ୍ମୃତିର ସହର ଆଜି ବି ଅଛି ଜଳ ଜଳ,
ଅତୀତର ସେଇ ପୃଷ୍ଠା ଏବେ ବି ଛଳ ଛଳ ॥
ତୁମେ ନାହିଁ ସତ, ହେଲେ ତୁମ ସେଇ ହସ,
ମୋ ମନ ଆକାଶେ ସାଜିଛି ଆଜି ବି ଜ୍ୟୋସ୍ନା ବିଲାସ ॥

ଶ୍ରୀ ବିଶ୍ୱରଂଜନ ଦାସ
ଜୁନିଅର ଆକାଉଣ୍ଟାଟ୍,
ଜିଆଇଇଟି, ଭୁବନେଶ୍ୱର

ବିରହ ପ୍ରେମିକା

ସଞ୍ଜ ନଇଁଲେ ଆକାଶଟା ଯେବେ ଧିରେ ଧିରେ ହୁଏ କଳା
ମୋ ଛାତି ଭିତରେ ଜଳିଉଠେ ସେବେ ବିରହର ନିଆଁ ଶିଖା ।
ତୁମେ ତ ନାହଁ କି ପାଖରେ ନାହିଁ ତୁମ ସେଇ ମିଠା ହସ
ସାରା ଦୁନିଆଟା ଲାଗେ ଆଜି ନିଶ୍ଚଳ ଓ ନିଶ୍ୱାସ ॥
ସମୟ ସ୍ରୋତରେ ସବୁ ବଦଳିଛି, ବଦଳିଛି ଏହି ସହର ।
ହେଲେ ବଦଳିନି ମୋ ଆଖିର ଲୁହ ତୁମ ପ୍ରତି ମୋ ଆଦର
ମନପଡେ ସେହି ପୁରୁଣା ଦିନରେ ଅଧା ରହିଥିବା କଥା ।
ବର୍ଷା ଭିଜା ସେଇ ସ୍ମୃତିର ସହର ଦିଏ ଆଜି ଶୂନ୍ୟ ବ୍ୟଥା ॥
ତୁମର ସାଥେ ସେ ଚାଲିଥିବା ବାଟ ଆଜି ଲାଗେ ଅପରିଚିତ
ପବନର ସୁଭେ ଖାଲି ତୁମ ନାମ ଯେମିତି ବିରହ ସଂଗିତ ॥
ମୁଁ ଖୋଜୁଥାଏ ସେଇ ମୁହୂର୍ତ୍ତକୁ ଯେଉଁଠି ଆମେ ଏକା ଥିଲେ ।
ସମୟ ଯେମିତି ଅଟକି ଯାଇଥିଲା ଯେବେ ଆମେ ପାଖେ ଥିଲେ ॥
ତୁମ ଦେଇଥିବା ସେଇ ଗୋଲାପ ବହି ଥାକେ ସାଇଥି ଆଛି।
ତାର ପ୍ରତିଟି ପାଖୁଡା ଆଜି ବି ତୁମରି ମହକ ବାଣ୍ଟୁଛି ॥
ଫୋନର ଗ୍ୟାଲେରୀ ପୁରୁଣା ସେଇ ଚିଠି ମୋ ପାଇଁ ବଞ୍ଚିବାର ସାହା
ତୁମ ବିନା ମୁଁ ଯେ ଏମିତି ଏକ ନଦୀ ଯାହା ଶୁଖିଛି ଧାରା ॥
ସମସ୍ତେ କହନ୍ତି ଭୁଲିଯାଅ ତାକୁ ଆଗକୁ ବଢ଼ିବା ଶିଖ ।
ହେଲେ କିଏ ବୁଝିବ ପାଗଳ ମନର ଅକୁହା ଗଭୀର ଦୁଃଖ ॥
ବିରହ କଣ କେବଳ ଦୂରତା ନା ଏହାର ପ୍ରେମର ସ୍ୱରୂପ ।
ଯେଉଁଠି ପ୍ରେମିକା ଜଳି ଜଳି ହୁଏ ଭଲ ପାଇବାର ଏକ ଧୂପ ॥
ତୁମେ ନ ଫେରିଲେ କିଛି ଦୁଃଖ ନାହିଁ ମୋ ଅପେକ୍ଷା କେବେ ସରିବନି ।
ଏହି ଜନ୍ମର ଏହି ଅଧା ପ୍ରେମ କାହାଣୀ ସମୟ କେବେ ବି ପୋଛିବନି ॥
ହୃଦୟର ପ୍ରତିଟି ସ୍ପନ୍ଦନରେ ଆଜି ତୁମରି ନାମ ଲେଖା ।
ମୁଁ ଜଣେ ଚିର ବିରହୀ ପ୍ରେମିକା ଯିଏ ଶିଖିଛି ଖାଲି ଅପେକ୍ଷା ॥
ଶୂନ୍ୟ ଆକାଶକୁ ଚାହିଁ ମୁଁ ଆଜି ପଚାରେ ତାରାକୁ
ତୁମେ କଣ କେବେ ମନ ପକାଉଛ ସେଇ ଅଭିମାନକୁ ॥
ହୁଏତ ତୁମେ ଆଗକୁ ବଢ଼ିଛ ହୁଏତ ତୁମେ ଖୁସିରେ ଅଛ ।
କିନ୍ତୁ ମୋ ପାଇଁ ତ ତୁମେ ହିଁ ମୋ ଦୁନିଆ ତୁମେ ହିଁ ଶେଷ ସତ୍ୟ ॥
ଏହି ବିରହ ହିଁ ମୋ ପ୍ରେମର ପ୍ରମାଣ ଏହି ଲୁହ ହିଁ ମୋର ଶକ୍ତି ।
ତୁମ ସ୍ମୃତିରେ ହିଁ ଶେଷ ହେବ ମୋର ଏହି ଜୀବନର ଭକ୍ତି ॥

ଶ୍ରୀ ବିକ୍ରମ କେଶରି ନାମକ
ଆଡମିଶନ୍ ଅଫିସର
ଜିଆଇଇଟି, ଭୁବନେଶ୍ୱର

ସମୟ

ସମୟ ଟା ପରା ଅଜଣା ଅତିଥି
ଅହରହ ଆସେ ଯାଏ
ଚୁନା ଚୁନା ସ୍ମୃତି ହୃଦୟେ ସାଇତି
ସମୟର ଚକ୍ରବ୍ୟୁହେ ||

ଛନ୍ଦ ତୋଳି ସିଏ ଅବିରତ ଧାଏଁ
ଶାନ୍ତ ନମ୍ରଭାବ ବହି
ତା ସାଥିରେ ସଦା ତାଳ ଦେଇଚାଲ
ହାତ ଛଡା କର ନାହିଁ ||

ଭାଗ୍ୟ ଭବିଷ୍ୟ ଗଢି ଦେବା ପାଇଁ
ସମୟ ଇସାରା ଦିଏ
କେବେ ସେ ବସାଏ ରାଜେନ୍ଦ୍ର ଆସନେ
କେବେ ଭିକ୍ଷା ଝୁଲି ଦିଏ ||

ନୂଆ ସମ୍ଭାବନା ନୂଆ ଉଦ୍ଭାବନା
ଆଶାର କିରଣ ବୁଣେ
ନୂତନ ଭାବନା ନୂତନ ଚେତନା
ମନରେ ଜଗାଇ ଦିଏ ||

ନିସ୍ତବ୍ଧ ଇଲାକା କରେ ମୁଖରିତ
କେତେ ଅନୁଭୂତି ଦେଇ
ସମୟଟା ପରା ଚିରସ୍ରୋତା ନଦୀ
ଅଟକେନି କାହା ପାଇଁ ||

ଜୀବନ ଆମକୁ ଶିକ୍ଷା ଦେଇଥାଏ
କାଳର ଉପଯୋଗୀତା
ଅଙ୍କାବଙ୍କା ପଥେ ସମୟ ଶିଖାଏ
ଜୀବନ ଗୁରୁତ୍ୱ କଥା ||

କାଳର ଗରଭେ ଲୀନ ଆଜି ଯାହା
ଅଫେରା ଅତୀତ ସାଜେ
ଛାପି ହୋଇଯାଏ ହୃଦୟ କାନ୍ଥରେ
ରହିଥିବ ମୃତ୍ୟୁ ଶେଯେ ||

ରଚନା:
ସିଦ୍ଧାନ୍ତ କୁମାର ବଳବନ୍ତରାୟ
ଅଧ୍ୟାପକ, କମ୍ପ୍ୟୁଟର ସାଇନ୍ସ ବିଭାଗ

ନୂଆ ବର୍ଷ

ବଦଳି ଚାଲିଛି
ତାରିଖ ପରେ ତାରିଖ
କାନ୍ଥରେ ଲଟକିଥିବା କ୍ୟାଲେଣ୍ଡର ବି
ବଦଳୁଛି ଠିକଣା ପରେ ଠିକଣା...
ଗାଁଆରୁ ସହର
ଖାଲି ଯାହା ବଦଳୁନି
ମୋର ଦୁଃଖ, ଦୁର୍ଭାଗ୍ୟ ଆଉ ଅସହାୟତା
ଦେଖୁ ଦେଖୁ ଆଉ ଗୋଟେ ବର୍ଷ ବିତିଗଲା
ଭାବିଥିଲି ଭାଗ୍ୟ ସାଥ ଦେବ
ଗଛ ଡାଳରେ କଲିଜା
ଜୀବନ ପାଇଁ: ସଂଘର୍ଷ କରିବାକୁ ପଡ଼ିବନି
ଚୁପ କରି ପାଦ ଚିପି ଚିପି
ଆସିଗଲା ୨୦୨୬...
ମଳିଛିଆ ପଡ଼ି ଆସିଥିବା କାନ୍ଥକୁ ଆଉଜି
ନଅକିନା ବସିପଡ଼ି ବର୍ଷ ଯାକର ହିସାବ ନିକାଶ ଧରି
ବସିପଡିଛି ଏକୁଟିଆ....
ଅନେକ ଦିନରୁ ଛାତି ଭିତରେ
ଜମାଟ ବାନ୍ଧିଥିବା ଦୁଃଖକୁ
ପାଣି ହୋଇ ବହିଯିବାର ଦେଖିଛି
ପୁଣି ଚିରଇଚ୍ଛିତ ଖୁସିରେ ଝୁମିଚି
କିଏ କହିଛି କରିକ୍ରର୍ମା
ପୁଣି କାହା ଠାରୁ ଗାଳି ଶୁଣିଛି କିଛି ଭୁଲ ନ କରି
କାହା ପାଇଁ ମୁଁ ଅଚାନକ ପାଲଟିଛି
ଧୋକାବାଜ....

ପୁଣି ଆଉ କିଏ କହିଛି ଓଭରସ୍ମାର୍ଟ
ଯାହାକୁ ଜୀବନ ଠୁ ବେଶୀ ଭଲ ପାଉଛି
ତା ପାଇଁ ଦ୍ୱାରସ୍ଥ ହୋଇଛି ଥାନାର
ଦୋଷ ନ ଥାଇ ପାଲଟି ଯାଇଛି ଦୋଷୀ
ମୁଁ କିନ୍ତୁ ଅବିଶ୍ରାନ୍ତ କର୍ମ କରିଚାଲିଛି
ଖେଳି ଚାଲିଛି ନିଜ ସହ ଲୁଚକାଳି
ବେସାଲିସ, ବେଫିକର, ବେଖାତିର
ସମୟକୁ ପଛ କରି
ଏମିତି ପ୍ରେମରେ ଚିରକାଳ
ପୁଣି ଗୋଟେ ବର୍ଷର ଅପେକ୍ଷା
ନୂଆବର୍ଷ.... ନୂଆବର୍ଷ....
ବର୍ଷ ପରେ ବର୍ଷ
ସମୟର ଅଫେରା ସୁଅରେ
ଅନନ୍ତକାଳ ଯାଏଁ ଠିକ ଏମିତି
ଚାଲୁଥିବ ନୂଆ ବର୍ଷ
ଆଉ ରଙ୍ଗୀନ ସ୍ୱପ୍ନରେ ମତୁଆଲା
ମାନବ ସମାଜ ....

ଡ଼. ଲକ୍ଷ୍ମଣ କୁମାର ସାହୁ
ପ୍ରାଧ୍ୟପକ, ଯାନ୍ତ୍ରିକ ବିଭାଗ

ଅଶ୍ରୁରେ ଆରାଧନା

ହେ ନାଥ, ତୁମକୁ ପାଇବାକୁ ମୁଁ କେବେ ବି ଗଣିନି ମୋ ପଥ,
କାରଣ ଏ ଜୀବନ ଯାତ୍ରାରେ ତୁମେ ହିଁ ସାରଥି ଆଉ ମୁଁ ତୁମର ରଥ।

ଏ ଜୀବନ ତୁମରି ଦାନ ଭଗବାନ, ତୁମକୁ ପାଇବା ଛଡ଼ା ଆଉ କିଛି ଚାହେନି ଏ ମନ,
ମନରେ ଥାଏ ଯେ ଅପୂର୍ବ ଉଲ୍ଲାସ, ଦେଖିବାକୁ ତୋର ସେଇ ହାସଭରା ଶ୍ରୀମୁଖ।

ହେ କର୍ତ୍ତା, ତୁମେ ହିଁ କର୍ମ ଆଉ ତୁମେ ହିଁ ମୋ ବିଧାତା,
ବିପଦ କାଳରେ ସବୁବେଳେ ହରି ନେଇଛ ମୋ ବାଧା।

ହେ ପ୍ରଭୁ, ତୁମେ ହିଁ ଗୀତା ଆଉ ତୁମେ ହିଁ ସତ୍ୟ ଏ ଜଗତ ସାରା,
କାହିଁକି କେଜାଣି ଏ ଚକ୍ଷୁ ଯେବେ ଦେଖେ ତୁମକୁ ବହିଯାଏ ତାର ଅଶ୍ରୁର ଧାରା।

Priyanka Rout
B.Tech 4th Year CSE

ପ୍ରକୃତି ମାତାର ଆଶିଷ

ଶୀତ ପବନର କୋମଳ ଛୁଆଁ,
ବୁଡ଼ିଲା ସୂର୍ଯ୍ୟ ସୁନେଲି ରାଗ।
ଥରିଲା ଓଠରେ ଛୋଟିଆ ହସଟି,
ମନେ ଭରିଦେଏ ଶାନ୍ତିର ଧୂଆଁ।।

ଧୂଆଁର ଉଷ୍ମତା, ସମୀରର ଶୀତ,
ଲୁଚକାଳି ଖେଳେ ଗାଇ ଗାଇ ଗୀତ।
ବହି ଆଣେ ଧ୍ୱନି ମନ୍ଦିର ପ୍ରାଙ୍ଗଣୁ,
ମନକୁ କରିଦେଏ ଅବସାଦ ଲୁପ୍ତ।।

ଘଣ୍ଟାଘଣ୍ଟିର ଧ୍ୱନି ସମୀରେ ମିଶି,
ଗଗନରୁ ଆଶିଷ ହୁଏ ବୃଷ୍ଟିପାତ।
ସୁନେଲି ଚାଦରେ ପୃଥିବୀ ଢାଙ୍କି ଦେଇ,
ସନ୍ତାନ ପାଳଏ ପ୍ରକୃତି ମାତା।

Priyanka Rout
B.Tech 4th Year CSE

ପୁଷ୍କରିଣୀର ପ୍ରଭାତ

ରକ୍ତାଭ ନଳିନୀ ପୁଷ୍କରିଣୀ ତଟେ,
ଚକ୍ରାକାର ଧରି ହସିହସି ଫୁଟେ।।

ପାଖୁଡ଼ା ଗର୍ଭରେ ସୂର୍ଯ୍ୟ ବିରାଜନ୍ତି,
ସମୀର ସଙ୍ଗୀତେ ମୀନ ନାଚୁଥାନ୍ତି।।

ଭ୍ରମର ଭ୍ରମନ୍ତି ସୁନ୍ଦରତା ତେଜେ,
ମର୍ତ୍ୟ ପୁରେ ପୁଣି ଭଗବାନ ବିରାଜେ।।

Priyanka Rout
B.Tech 4th Year CSE

ଶୁଭ ଦୃଷ୍ଟି

ଶରତ ଋତୁର ଆଗମନରେ
କାଶତଣ୍ଡି ଫୁଟେ ନଈପଠାରେ ॥

କାଶତଣ୍ଡି ହସୁଛି ଖିଲି ଖିଲି
ମା ଆସୁଛନ୍ତି ଝୁଲି ଝୁଲି ॥

କାଶତଣ୍ଡି ଫୁଲେ ସଜେଇହୋଇ
ଧାରାକୁ ଆସନ୍ତି ମା ଓହ୍ଲାଇ ॥

ନୀଳ ଆକଶର ପୁଣ୍ୟ ପୃଥିବୀରେ
ମା ଭରିଛନ୍ତି ଶାନ୍ତିକୁ ସ୍ଥାପି ॥

ସଜେଇ ରଖରେ ସଞ୍ଜ ଆଳତି
ସୁଖ ଶାନ୍ତି ହେଉ ଜୀବନ ଗତି ॥

ମା'ଙ୍କ ଆଶିଷ ସବୁଠି ଥାଉ
ମାଆ ପଣତରେ ଦୁଃଖ ନ ରହୁ ॥

ପାପହରି ପୁଣ୍ୟ ସ୍ଥାପନ ପାଇଁ
ମା'ଙ୍କ ଆଶିଷେ ପୂର୍ଣ୍ଣ ହୁଅଇ ॥

ପ୍ରତିବର୍ଷ ଋତୁ ଏ କଥା କହେ
ଜନମାନସରେ ଖୁସି ବଢ଼ାଏ ॥

ଶତତେ ଶେଫାଳି କାଶତଣ୍ଡିଟି
ମାଆ ଆଗମନ ସେ ଜାଣଇ ॥

ପ୍ରିୟଦର୍ଶିନୀ ମହାପାତ୍ର
ପ୍ରାଧ୍ୟାପକ

"ଶ୍ରୀମୁଖ ଦର୍ଶନ"

ତାର ଦେହ ସିନା କଳା ଘନ,
ହେଲେ ହୃଦୟ ଶୁଭ୍ର, ପବିତ୍ର ଧନ।

ହାତ ନଥାଇ ଯେ ସେ ଧରେ ସବୁକୁ,
କୃପାର ଡୋରିରେ ବାନ୍ଧେ ସମସ୍ତଙ୍କୁ।

ମୁରୁକି ମୁରୁକି ହସର ଝରଣା,
ସେହି ହସେ ଭରେ ଭକ୍ତିର ଭାବନା।

ନାଲି ଅଧରେ କରୁଣାର ଡୋର,
ସେତିକିରେ କରେ ସବୁକୁ ନିଜର ମୋର।

ଚକା ଚକା ନୟନ, କରୁଣା ଭରା,
ଦେଖିଦେଲେ ମନ ହୁଏ ପୁରା ଭରା।

କି ଅବା ବର୍ଣ୍ଣନା କରିବି ହେ ନାଥ,
ଯେତେ ଦେଖିଲେ ବି ଫେରେନି ମୋ ଚକ୍ଷୁ ପଥ।

Priyanka Rout
B.Tech 4th Year CSE

ନାରୀ ସଶକ୍ତି

ନାରୀ ହେଉଛି ଅଗ୍ନି,
ଭୟକୁ ଲୁଚାଇଦେଇ,
ସେ ନିଜ ସ୍ୱପ୍ନ ଧରି,
ଆଶାର ପଥ ଖୋଲିଦେଇ |

ପଦେ ପଦେ ସୀମା ଭାଙ୍ଗି,
ସଂଘର୍ଷରେ ହସେ,
ମୂଲ୍ୟ, ସମ୍ମାନ, ସ୍ୱାଧୀନତା,
ନିଜ କାମ ରେ ବସେ |

ଶିକ୍ଷା ଓ ଜ୍ଞାନ ନେଇ,
ସେ ଆଲୋକ ପ୍ରଚାର କରେ,
ଅଦରକାରରେ ମଧ୍ୟ,
ହୃଦୟ ନ ହରେ ରୋଳେ |

ସ୍ୱପ୍ନ କୁ ଧରି ଚାଲିବାରେ
ନାରୀ ସଦା ଦୃଢ
ସମ୍ଭବ ଓ ସଂଘର୍ଷ ରେ
ତା'ର ଦାନ ଅବିସ୍ମରଣୀୟ |
ଆଜି ନାରୀ ନୁହେଁ ମୂଲ୍ୟରେ ଅବହେଳିତ,
ସେ ହଉଛି ଆଶା, ସ୍ୱାଧୀନତାର ଅବିନାଶୀତ |

ସଂଘର୍ଷ ଓ ସଂସାରରେ
ସେ ପଥ ପ୍ରଦର୍ଶକ,
ସ୍ୱପ୍ନ ଓ ସମ୍ଭବ ରେ
ସେ ହେଉଛି ସତ୍ୟ ର ଆଲୋକ |

ଆୟାଲିଶା ଜଗଦେବ
ବି.ଏସ୍.ସି ନର୍ସିଂ ପ୍ରଥମ ବର୍ଷ

ଜୀବନ ଏକ ଯାତ୍ରା

ଜୀବନ ଏକ ଯାତ୍ରା
ଜୀବନର ଏକ ଅଜଣା ଯାତ୍ରା
ନ ଥାଏ ମାନଚିତ୍ର, ନଥାଏ ସଙ୍କେତ,
ଜନ୍ମ ମୁହୂର୍ତ୍ତରୁ ଚାଲିବା ଆରମ୍ଭ
ଗନ୍ତବ୍ୟ ଅଜଣା, ପଥ ଅସୀମିତ ।୧।
କେବେ ରୋଦନ ଭରା ସକାଳ ଆସେ
କେବେ ହସରେ ଭରେ ସନ୍ଧ୍ୟାରେ ମନ
ସମୟ ଚାଲିଯାଏ ନିରବ ପଦଚାପେ
ପଛକୁ ଚାହିଁଲେ ମିଳେ ସ୍ମୃତିର ଚିହ୍ନ ।୨।
ମା'ର ଆଂଚଳରୁ ଶିଖିଲୁ ଚାଲିବା,
ବାପାଙ୍କ ହାତରୁ ଭରସାର ଶିକ୍ଷା
ବନ୍ଧୁର ସହାଯ୍ୟେ ସ୍ୱପ୍ନ ଦେଖିଲୁ
ଭୁଲ ଭିତରେ ଲୁଚିଥିଲା ସଠିକ୍ ଦିଗ୍‌ନିର୍ଦ୍ଦେଶ ।୩।
ଜୀବନ ଏକ ଅଜଣା ଯାତ୍ରା
ପଢିଲେ ଉଠିବା ତା'ର ଭାଷା
ହାର ଭିତରେ ଜିତ୍‌ର ସୂତ୍ର
ଅନ୍ଧକାରେ ମଧ୍ୟ ଆଶାର ଆଲୋକ ରହେ ସଦା ।୪।
କେବେ ନିଜ ଲୋକ ଅଜଣା ହୋଇଯାଏ
କେବେ ଅଜଣା ହୋଇଯାଏ ଆପଣା
ବିଶ୍ୱାସର ପଥେ ଠକାମି ମିଳେ
ତଥାପି ମନ ଛାଡ଼େନା ସତ୍ୟର ଧାରଣା ।୫।
ଦୁଃଖ ଆସିଲେ ଶିଖାଏ ସହନ
ଅଶ୍ରୁଦିଏ ହୃଦୟକୁ ଗଭୀରତା
ସୁଖ ଆସିଲେ ଶିଖାଏ ନମ୍ରତା
ଜୀବନ ଗଢେ ମନୁଷ୍ୟର ସତ୍ୟ ଚରିତ୍ର କଥା ।୬।
କେବେ ରାସ୍ତା ଲାଗେ ଅନ୍ଧାର ଭରା
କେବେ ଭୟରେ ଥରେ ମନ
ସେଇ ସମୟରେ ଆଶା କହେ
ଥମନି ଆଗକୁ ଚାଲ ଏ ଯାତ୍ରା ହିଁ ଜୀବନ ।୭।
ଜୀବନ ଏକ ଅଜଣା ଯାତ୍ରା
ନଥାଏ ସବୁ ପ୍ରଶ୍ନର ଉତର
ଚାଲି ଚାଲି ଯିବା ହିଁ ସାହସ
ସେଇଥିରେ ଲୁଚିଛି ସଫଳତାର ରହସ୍ୟ ।୮।
ସ୍ୱପ୍ନ କେବେ ଭାଙ୍ଗିଯାଏ ଚୁପ୍‌ଚାପ
ଆଶା କେବେ ଜଳିଯାଏ ନୀରବରେ
ତଥାପି ହୃଦୟ ଗୁପ୍ତରେ କହେ
ଆଜି ନୁହେଁ କାଲି ନିଶ୍ଚୟ ଆଲୋକ ଆସିବ ଏଠାରେ ।୯।
ଜୀବନ ଶେଷରେ ନୁହେଁ ମୂଲ୍ୟବାନ
ପ୍ରତ୍ୟେକ ମୁହୂର୍ତ ହିଁ ଏକ ଧନ
ହସ, କାନ୍ଦ, ଲୁହ, ଶିଖ
ଏହି ସମସ୍ତ ମିଶି ହିଁ ଜୀବନ ।୧୦।
ଯେଦିନ ଥମିଯିବ ଏହି ଯାତ୍ରା
ସ୍ମୃତି ହୋଇ ରହିବ ଆମ ପଦଚିହ୍ନ
ତେଣୁ ଆଜିକୁ ଭଲପାଅ
ଜୀବନ ହିଁ ଏକ ଅଜଣା କିନ୍ତୁ ଯାତ୍ରା ସର୍ବଦା ନବୀନ ।୧୧।
ଜୀବନ ଏକ ଅଜଣା ଯାତ୍ରା,
ଭୟ ନୁହେଁ ଏକ ଅନୁଭବ
ନିଜକୁ ଖୋଜି ପାଇବାର ରାସ୍ତା
ସେଇଥିପାଇଁ ଜୀବନ ଏକ ଅମୂଲ୍ୟ ଉପହାର ସବୁଠାରୁ ବଡ଼ ।୧୨।

ଶ୍ରୀ ସୁବ୍ରତ କୁମାର ପଟ୍ଟନାୟକ
ଆସିସ୍‌ଟାଣ୍ଟ ପ୍ରଫେସର, ବିଏସ୍‌ଏଚ୍

मेरी एनसीसी यात्रा

पहलीबारखाकीवर्दीपहनीथीमैंने,
दिलमेंथाथोड़ाडर, थोड़ाजोशभरा।
सुबहचारबजेउठना, परेडमेंकदममिलाना,
लगाजैसेजीवनकानयाअध्यायशुरूहुआ।

पसीनाबहताथाधूपमें, थकानचढ़तीथी,
फिरभीमुस्काननहींछूटी, क्योंकिसाथथेयार।
कंधेसेकंधामिलाकरचलतेथेहम,
एकटीम, एकपरिवार, एकहीसपनाहमारा।

कैंपकीवोरातें, बारिशमेंभीगना,
ट्रेंचखोदना, फायरिंगसीखना, डरकोजीतना।
चुनौतियांआईं, कभीहारभीलगी,
परअनुशासननेसिखायारुकनानहींहैकभी।

देशकीसीमाओंकीयादआईहरपल,
जवानोंकीकुर्बानी, माताओंकीआहें।
एनसीसीनेदियावोजज़्बा, वोबलिदानकाजुनून,
अबमैंतैयारहूँ, राष्ट्रकेलिएकुछकरनेको।

आजजबआईनादेखताहूँ, खाकीमेंखड़ा,
गर्वसेसीनाचौड़ाहोजाताहैमेरा।
यहसिर्फवर्दीनहीं, एकसफरहैमेरा,
एनसीसीकीयात्राजोकभीखत्मनहींहोतीहै।
जयहिंद!

SUO Mohammad Kasim
Class: B.Tech Third Year
Computer Science and Engineering

मैं हार नहीं मानूंगा

मैंगिराहूँ, हाँ, गिराहूँ,
परअभीटूटानहींहूँ,
ज़िंदगीकीइसलड़ाईमें
मैंअभीझुकानहींहूँ।

तूफानोंनेरोकामुझको,
राहोंनेदीचुनौतियाँ,
परहरठोकरनेसिखाई
जीतकीनईकहानियाँ।

लबोंनेकहा "रुकजाअब,"
परदिलनेकहा "चलआगे,"
अँधेरोंसेक्याडरना,
जबसपनेहैंआँखोंकेजागे।

मैंअपनेहौसलोंसे
नईदुनियाबनाऊँगा,
मेहनतकीआगसे
किस्मतकोचमकाऊँगा।

हारअगरमिलभीजाए
तोउससेसीखलूँगामैं,
हरदर्दकोताकतबनाकर
फिरसेजीतलूँगामैं।

क्योंकिमैंवोकहानीहूँ
जोअभीलिखीजानीहै,
मैंवोचिंगारीहूँ
जिसेआगबनकरछानीहै।

मैंगिरूँगासौदफा, फिरभी
ऊपरहीउठजाऊँगा,
सुनलोदुनियावालों —
मैंहारनहींमानूँगा।

Raman Kumar
B.Tech, EACE (3rd Year)

मैं क्या लिखूँ

कुछ गहरा सा लिखना था,
"इश्क़" से ज़्यादा क्या लिखूँ?
कुछ ठहरा सा लिखना था,
"दर्द" से ज़्यादा क्या लिखूँ?
कुछ समंदर सा लिखना था,
"आँसू" से ज़्यादा क्या लिखूँ?
अब ज़िंदगी लिखनी है,
"तुमसे" ज़्यादा क्या लिखूँ?
कुछ खुशबू सा लिखना था,
"साँस" से ज़्यादा क्या लिखूँ?
कुछ रोशनी सा लिखना था,
"चाँद" से ज़्यादा क्या लिखूँ?
कुछ रिश्ता सा लिखना था,
"वफ़ा" से ज़्यादा क्या लिखूँ?
अब दास्तान लिखनी है,
"तुमसे" ज़्यादा क्या लिखूँ?
कुछ ख़ामोशी सा लिखना था,
"एहसास" से ज़्यादा क्या लिखूँ?
कुछ बेख़ुदी सा लिखना था,
"प्यास" से ज़्यादा क्या लिखूँ?
कुछ जज़्बात सा लिखना था,
"मोहब्बत" से ज़्यादा क्या लिखूँ?
अब दिल का फ़साना है,
"तुमसे" ज़्यादा क्या लिखूँ?

Arman Kumar Rout
B. Tech,2nd Year,CSE

जगन्नाथ

लकड़ी के रूप में भी तुम पूर्ण हो,
अधूरी आँखें, फिर भी सबको देख लेते हो।

हाथ नहीं, फिर भी सहारा देते हो,
पैर नहीं, फिर भी जीवन का पथ दिखाते हो।

समुद्र की लहरें तुम्हारा नाम जपती हैं,
पुरी की हवाओं में भक्ति गूंजती है।

रथ की घंटियों की मधुर ध्वनि में
मानो तुम्हारी मुस्कान झलकती है।

भक्त दूर-दूर से तुम्हें पुकारते हैं,
और तुम मौन रहकर भी सब सुन लेते हो।

न शब्द, न संकेत, न कोई आग्रह—
फिर भी हर पीड़ा अपने भीतर ले लेते हो।

तुम राजा हो, फिर भी सहज हो,
असीम हो, फिर भी अपने से लगते हो।

मंदिर ऊँचा है, शिखर आकाश छूता है,
पर तुम्हारा धाम तो हर हृदय में बसता है।

रथ आगे बढ़ता है, भीड़ उमड़ती है,
भक्ति का सागर लहरों सा उठता है—

पर तुम स्थिर खड़े रहते हो,
मानो जीवन का सत्य समझाते हो।

जीवन भी एक रथ है प्रभु,
जिसे समय आगे बढ़ाता है—

और विश्वास ही उसका पहिया है,
जो हर मोड़ पर साथ निभाता है।

जय जगन्नाथ।

सुमित कुमार गिरी
बी.टेक, द्वितीय वर्ष,
कंप्यूटर साइंस एंड इंजीनियरिंग (सीएसई)

आजादी अभी दूर है

कितना अच्छा होता, अगर हम एक कलाकार होते,
अपने दुःख छिपाने के लिए हँस तो देते।
कितना अच्छा होता वो दिन, अगर हम एक पंछी होते,
ये कायदे-कानून हमें सीखने न पड़ते।

अच्छा होता वो हर एक दिन, अगर हम एक पुरुष होते,
ये रात के दस बजे बिना प्रतिबंध
अपनी आज़ादी से घूम पाते।

कितना अच्छा होता, अगर हम एक मधुमक्खी होते,
तो बिना फूल पाए भी
शहद से ही खुश हो जाते।

कितना अच्छा होता, अगर हम कभी किसी बंधन में ही न बंधते,
क्योंकि बिछड़ने का ग़म
तो कभी जान ही न पाते।

अच्छा होता, अगर हम किसी नदी का पानी होते,
किसी एक जगह पर न रुकते हुए
अपनी मंज़िल पाने की चाहत में बह जाते।

और सुंदर से भी अतिसुंदर होता हमारा ये देश,
अगर हर एक नारी को सही से इज़्ज़त देते,
तो वो आज़ादी से साँस लेने के लिए
ये सारे सपने न देखते।

Priyanka Rout
Branch – CSE
Sem – 8th

गौरवशाली बिहार की गाथा

लिखनाहोबिहारकोतोमोहब्बतकानामलिखूँ,
लिखनाहोबिहारको, तोअपनीपहचानलिखूँ।

मांझीकाप्यारलिखूँ, गौतमबुद्धकाज्ञानलिखूँ,
छठपूजाकीशानलिखूँमैं, इतिहासकाअभिमानलिखूँ।

लिखनाहोबिहारको, तोहौसलोंकीउड़ानलिखूँ,
मिथिलासीमिठासलिखूँ, शून्यकाआविष्कारलिखूँ।

सभ्यताकीशुरुआतजहाँसे, आज़ादीकाअभ्यासलिखूँ,
लिखनाहोबिहारको, तोअपनापरिवारलिखूँ...
अपनापरिवारलिखूँ...

कौटिल्यकीज्ञान-कुंजिका, अर्थशास्त्रकाअभिमानलिखूँ,
मांसीताकीजन्मभूमिको, मैंसत-सतप्रणामलिखूँ।

चंद्रगुप्तकीकृपाणोंसेबहतारक्तप्रमाणलिखूँ,
सिकंदरकीहारमेंमौर्यवंशकाविस्तारलिखूँ।

दिनकरकीकविताओंसामैंराष्ट्रप्रेमकाभावलिखूँ,
बोधगयासेलेकरमहावीरतककासंसारलिखूँ।

लिट्टी-चोखाकेस्वादसामैंप्यारलिखूँ,
दाल-पीठाकीसादगीसाअपनाव्यवहारलिखूँ।

लिखनाहोबिहारकोतोमोहब्बतकानामलिखूँ,
लिखनाहोबिहारको, तोअपनीपहचानलिखूँ।

Manikant Kumar
CSE, 3rd Year

डिजिटल दौर में इंसान

सिलिकॉनकीधड़कनोंमेंअबदुनियासाँसलेतीहै,
स्क्रीनकीरौशनीमेंहरसूरतसाफ़दिखतीहै।
डेटाकेसमंदरमेंकश्तियाँतैरतीरहतीहैं,
परदिलकीतिश्नगीक्योंफिरभीबाक़ीरहतीहै।

एल्गोरिद्मबतातेहैंहमेंक्याचाहिए,
मार्केटकेनक्शेमेंरास्तातयहोताहै।
मुनाफ़ेकीज़ुबाँहरमीटिंगमेंबोलतीहै,
परज़मीरकासवालअक्सरचुपहीरहताहै।

तकनीककीउड़ानेंआसमाँछूरहीहैं,
ड्रोनसेलेकरडिजिटलख़्वाबसजरहेहैं।
लेकिनज़मीनकीख़ामोशीक्यासुनरहेहैंहम,
दरख़्तोंकीपुकारेंक्यासमझरहेहैंहम।

तरक़्क़ीअगरसिर्फ़रफ़्तारकानामहै,
तोफिरठहरकरसोचनाभीइककामहै।
सस्टेनेबिलिटीकोईलफ़्ज़नहींकिताबोंका,
येवादाहैआनेवालेआफ़ताबोंका।

इन्वेशनतभीमुकम्मलकहानीबनतीहै,
जबउसमेंइंसानियतभीशामिलरहतीहै।
वरनामशीनेंतोबे-हिसाबचलतीहैं,
मगररिश्तोंकीगर्मीकहाँसंभलतीहै।

मैंमैनेजमेंटकातालीब-ए-इल्मसही,
परसीखरहाहूँकिअसलरहनुमाईक्याहै।
रणनीतिसिर्फ़नंबरोंकाखेलनहीं,
क़ियादतमेंभीदिलकीरौशनीक्याहै।

हमवोनस्लहैंजोडिजिटलदौरलिखेगी,
हरफ़ैसलेमेंएकनईसोचदिखेगी।
मुनाफ़ाभीहोगामगरएहतरामकेसाथ,
तकनीकभीहोगीमगरइंसानकेसाथ।

आनेवालाकलहमारेइख़्तियारमेंहै,
हरकीबोर्डकेपीछेएककिरदारमेंहै।
अगरहमचाहेंतोतामीरनईहोसकतीहै,
हरतरक़्क़ीमेंमोहब्बतभीशामिलहोसकतीहै।

तकनीककाजहाँबे-रहमनबननेपाए,
इंसानकादिलउससेकमनहोनेपाए।
यहीदुआहैमेरीहरनईउड़ानकेलिए,
तरक़्क़ीभीरहेऔरसुकूनभीजहाँकेलिए।

नफ़ीस ख़ान
MBA 1st Year

माँकासपना

मेरीहरसुबहमेंउसकीदुआशामिलहै,
मेरीहरजीतमेंउसकायकीनशामिलहै।
वोखुदअधूरीरहगईकईख़्वाहिशोंमें,
परमेरेसपनोंमेंउसकापूराआकाशशामिलहै।

धूपमेंजलतीरही, छाँवमुझेदेतीरही,
अपनेहिस्सेकीखुशियाँभीमुझपरवारतीरही।
रातोंकीनींदेंबेचकरउसनेउजालाबुना,
मेरीराहोंमेंउम्मीदकादीपकखुदचुना।

उसकीहथेलियोंकीरेखाओंमेंमेहनतकीकहानीहै,
उसकीझुकीकमरमेंवर्षोंकीकुर्बानीहै।
वोकहतीकमहै, परसबसमझजातीहै,
मेरेचेहरेकीथकानभीपढ़लेतीहै।

जबमैंगिरा, तोउसनेमुझेथामलिया,
मेरेटूटेहौसलोंकोफिरसेथामलिया।
जबमैंनेकहा "अबमुझसेनहींहोगा",
उसनेमुस्कुराकरकहा "तूहीतोमेरासहाराहोगा।"

दुनियाकीभीड़मेंजबमैंखोनेलगा,
उसकीआवाज़नेमुझेफिरसेजगाया —
"डरमत, रुकमत, थकमतमेरेलाल,
तेरीमेहनतएकदिनलाएगीकमाल।"

उसनेकभीअपनेसपनोंकीबातनहींकी,
बसमेरीकिताबोंमेंअपनाभविष्यदेखा।
मेरीहरपरीक्षामेंवोभीसाथबैठतीहै,
मेरीहरसफलतामेंचुपचापमुस्कुरातीहै।

मैंजानताहूँ, मेरीहरउड़ानमेंउसकाविश्वासहै,
मेरीहरपहचानमेंउसकीहीआसहै।
वोखुदभलेहीथककरचुपहोजातीहै,
परमेरीजीतकीकल्पनामेंमुस्कुरातीहै।

जिसदिनमैंअपनीमंज़िलपाजाऊँगा,
सबसेपहलेउसकेचरणोंमेंसिरझुकाऊँगा।
मेरीहरसफलताउसकासम्मानहोगी,
उसकीअधूरीख़्वाहिशोंकीपहचानहोगी।

औरजबलोगपूछेंगे "तुझेइतनीऊँचाईकिसनेदी?"
मैंकहूँगा —
"मेरीमाँने... अपनेसपनोंसेमुझेज़िंदगीदी।"
क्योंकिमेरीहरधड़कनमेंबसएकहीसपनाहै —
मेरीजीतसेपूराहोगा... ।

— Saurav Kumar
B.Tech, CSE, (3rd Year)

रोशनी का सफ़र

डिजिटलदौरकीरफ़्तारमें
हमनेख़्वाबनएसजाएहैं,
सिलिकॉनकीगलियोंमेंचलकर
उम्मीदकेदिएजलाएहैं।
डेटाकीबारिशहोतीहैअब
हरइकफैसलेकीराहमें,
लेकिनदिलकीआवाज़भीज़रूरीहै
तरक़्क़ीकीहरचाहमें।
मशीनेंतेज़बहुतहैंलेकिन
जज़्बातोंकीरफ़्तारकहाँ,
अगरतरक़्क़ीमेंदर्दनसमझें
तोफिरऐसीसरकारकहाँ।
सस्टेनेबिलिटीकामतलबहै
आनेवालीनस्लोंकाहक़,
धरतीमाँकीहिफ़ाज़तभी
हमसबपरहैएकफ़र्ज़पक्क।
इन्वेशनतबमुकम्मलहोगा
जबइंसानियतसाथचले,
मुनाफ़ाभीहोकारोबारमें
परज़मीरभीसाफ़रहे।
मैंएकतालीबाहूँमैनेजमेंटकी
सीखरहीहूँराहनई,
रणनीतिमेंशामिलकरनाहै
रहमतकीभीरौशनी।
हरस्टार्टअपमेंएकसपनाहो
जोसबकेकामआसके,
हरलीडरमेंवोहिम्मतहो
जोसचकेसंगजासके।
तरक़्क़ीकामतलबसिर्फ़नहीं
ऊँचीइमारतऊँचानाम,
बल्किऐसासिस्टमकायमहो
जिसमेंहोइंसाफ़तमाम।
चलोबनाएंऐसाकल
जहाँतकनीकभीमेहरबानरहे,
इंसानइंसानहीरहे
औरदिलोंमेंअरमानरहे।
रोशनीकायेसफ़रजारीहै
हमकदमसेकदममिलाएँगे,
इल्महुनरऔरनेकनियतसे
एकबेहतरजहाँबनाएँगे।

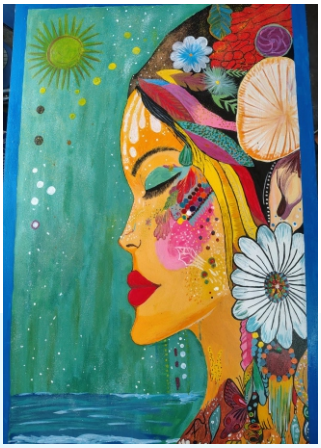
— Fajia Shaikh
4th Semester (MBA)

वक्त

आँधियों में चलना सिखाया है तूने, ऐ वक्त,
चट्टानों से टकराकर फिर उठना सिखाया है तूने।
तानों की गूंज में चुप रहना सिखाया है तूने,
हालातों की आग में भी मुस्कुराना सिखाया है तूने।
हर कदम पर तेरी ही परछाई दिखती है,
तेरा ही जलवा हर दिशा में झलकता है।
कब आएगा वह क्षण रंगों से भरा,
जब संकल्पों का दीप पूर्णता तक पहुँचेगा?
निडर आशा लेकर चल पड़े हैं तेरे संग,
खुली हवाओं में सपनों को पंख मिले हैं।
हारी नहीं हूँ मैं जीवन की राहों में,
क्योंकि तू मेरे साथ है हर मोड़ पर।
जीतना भी है, जीना भी है,
तेरी धारा में बहते हुए आगे बढ़ना है।
तू आता है, तू जाता है,
पर तेरा सत्य अटल रहता है।
तू ही ईश्वर का स्वरूप है,
तू ही तकदीर की रेखा है।
तू ही तख़्त है, तू ही ताज है,
तू ही जीवन का मौन संदेश है।
वक्त, तू केवल पल नहीं,
तू अस्तित्व का आधार है।
तेरे संग ही मनुष्य सीखता है
गिरना, उठना, सहना और निखरना।

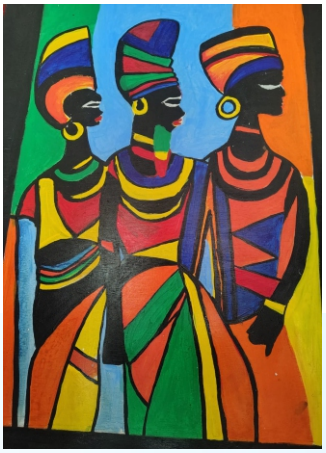
Dr. Diptirani Behera
Assistant Professor Department of BSH

ART GALLERY



Adity Kumari
Diploma
3rd year Mechanical

Gayatri Ghadei
B tech 1st CSE

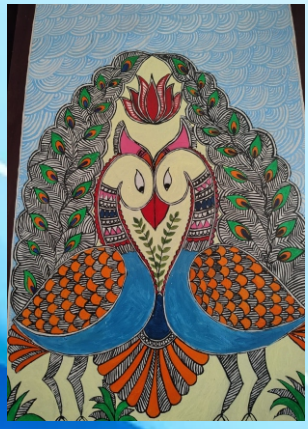


Tarun Kumar Rout
B Tech
3rd year CSE

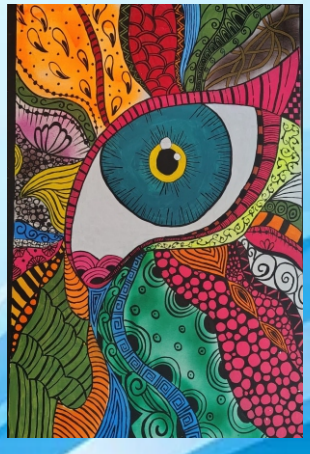
Malaya Ranjan Behera
B tech
3rd year CSE

Amrit Ranjan Sethi
B tech
3rd year CSE

Pankaj Sah
B tech - 3rd year EACE



MD kasim
B tech
3rd year CSE



Smruti Ranjan Kar
B Tech
3rd year CSE

Designed by - Iswar Chandra Prusty

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