
HICET
ELECTROZEN '20
Volume-6, A product by ECEians

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

"AN INVESTMENT IN KNOWLEDGE PLAYS THE BEST INTEREST"

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY is founded with a vision to impart high quality engineering education at an affordable cost under the guidance of our CHAIRMAN THIRU T.S.R. KHANNAIYANN and beloved SECRETARY THIRUMATHI SARASWATHI KHANNAIYANN in the year 2000.

Our instituition is an AUTONOMOUS body and all the courses are approved by ALL INDIA COUNCIL FOR TECHNICAL EDUCATION [AICTE] and NAAC.

True to it's legacy, HICET has embarked on a mission to empower students and prepare their young minds for lifelong learning by creating and disseminating appropriate knowledge. Our management has taken utmost care in providing state of the art infrastructure such as well equipped labs, spacious class rooms, hi-tech teaching aids, auditorium, well stocked library, hygenic canteen and a safe and secure hostel for out-station students.

Head of the Department's Desk

"Education is the passport for tomorrow, for the future belongs to those who prepare for it today"

Providing ample opportunities in engineering education is one of the most fundemental obligations we owe to our students because in our department, we are driven by the belief that every student deserves a high quality education.

ELECTROZEN provides an intersection of great challenge and opportunity for the students to review their efforts and to analyze their achievements in research and development. Technology is evolving at a dizzying rate and our classrooms may not be designed to keep pace with it. There may may be a lot wrong in the style of education but the pages of ELECTROZEN tell the tale of all that has been a part of what is right about the education they get in our department and in the institute.

I congratulate the team of students and the faculty for their tireless efforts that have come to fruition in the form of this magazine. I wish it all success and hope that this tradition that has been set by the current will be carried through by the following generation of students to come.

P. Rajeswari

Dr. P. RAJESWARI
HEAD OF THE DEPARTMENT, ECE

Hindusthan College of Engineering and Technology

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VISION OF THE DEPARTMENT

DV: To nurture Electronics and Communication Professionals with exemplary technical skills adorned with ethical values.

MISSION OF THE DEPARTMENT

DM1: To expand frontiers of knowledge through the provision of inspiring learning environment

DM2: To develop the intellectual skills towards employability by fostering innovation, and creativity in learning.

DM3: To provide a quality system for wholesome learning to achieve progress and prosperity in life along with moral values

Hindusthan College of Engineering and Technology

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: To prepare the graduates to solve, analyze and develop real time engineering products by providing strong foundation in the fundamentals of Electronics and Communication Engineering

PEO2: To prepare the graduates to succeed in multidisciplinary dimensions by providing adequate trainings and exposure to emerging technologies

PEO3: To prepare the graduates to become a successful leader and innovator following ethics with the sense of social responsibility for providing engineering solutions

Hindusthan College of Engineering and Technology

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Graduates will be able to provide solutions for real time embedded systems using Internet of Things to meet the global needs.

PSO2: Graduates will have the perseverance to design and develop products using cutting edge technologies in Signal processing and Communication systems.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Program Outcomes as defined by NBA (PO)
Engineering Graduates will be able to:

1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PHOTOGRAPHY

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II YEAR ECE-"A"

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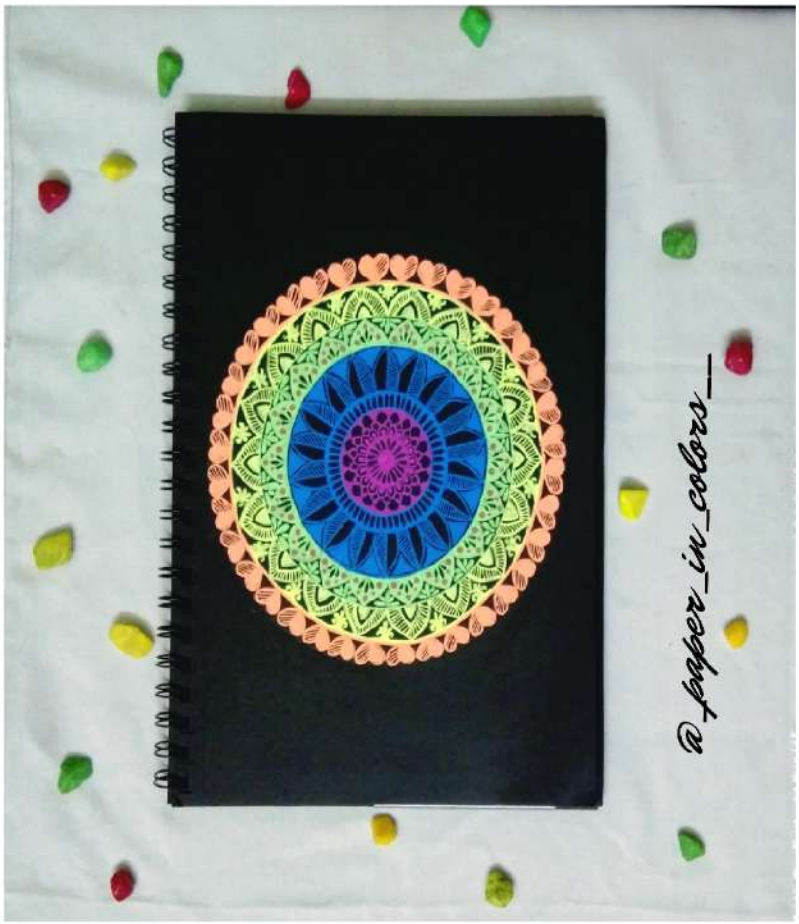
II YEAR ECE -"A



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II YEAR ECE -A

ARUL SRI MUTHUKUMARAN K

II -YEAR ECE-"A"

ABUBACKER SIDIK M

II YEAR ECE-"A"


POETIC

MY SPECIAL FRIEND

Isn't it funny
How some special people
don't realize they're special at all?
They're thoughtful
without even thinking about it.
They're always right there
when you call.
They share, not expecting
a thing in return,
Yet always seem richer
for giving--
Isn't it lovely how
those special people
can teach us
So much about living!
You're one of those special people--
Thanks for being my friend

- M. V. Buvanavarsini
IV-YEAR ECE - 'A'

The Beautiful Moon

How beautiful is the moon,
Glowing brightly in the night skies
Hiding herself during noon,
So you'll never know if she cries.

Away from people away from pain,
She hides herself in plain sight
I've told you once and I'll tell you again,
The story of a beautiful moon
whose light glows brightest at night

- GOWSIK.P
IV-YEAR ECE-'A'

MAGAZINE

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