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Volume 9, Issue 2

COMMUNIQUE

A Bi-annual Newsletter



Estd.2000

**Electrical & Electronics Engineering
and
Electrical & Computer Engineering**

From The Editor's Desk



It gives me immense pleasure and proud to introduce 2nd issue of volume 9th of the Departmental Newsletter. In this edition, i have tried to capture last six months activities conducted by the

department. I feel delighted to see the students, faculty and staff participating in different events and delivering their best. This newsletter is a platform to exhibit the achievements and contributions of faculty, staff and students. The hard work shown by the students in such events is portrayed effectively by the Department Newsletter. I do hope that the newsletter encourages many more including students to use it as a platform to express their creativity. I hope you will enjoy reading this issue as much as i have enjoyed making it.

“Success doesn't Come from what you do occasionally, it comes from what you do consistently.”

Sincerely,
Isha Rajput
Assistant Professor (EN)

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Communique'24

VISION

To impart futuristic technical education and instil high patterns of discipline through our dedicated staff, who shall set global standards, making our students technologically superior and ethically strong, who in turn shall improve the quality of life of society at large.

MISSION

- To conduct the undergraduate programs with practical exposure, creating new knowledge and skill-sets by engaging in the research-oriented approach and promoting the academic growth.
- To identify the areas of specialization needed in the industry, upon which the focus is needed
- To promote creative thinking and innovations by the students and faculty.

- To develop strong industry-academia relationship, which offer long term opportunities and benefits.
- Strive for the continuous growth of the department by upgradation of the existing facilities and experimental setup in the department.
- To develop human potential to its fullest extent so that intellectually capable and creative leaders can emerge from the department.
- To nurture students and infuse professional ethics, human values and positive attitude in the students.

Programme Educational Objectives (PEOs)

- To provide solid foundation in electrical and electronics engineering along with good communication and entrepreneurship skills for tackling social issues.
- To impart students with good scientific and engineering knowledge in order to analyze, design and create novel products for giving practical solutions to real life problems. society.
- To create engineers with sound technical knowledge for facing all sorts of challenges in industry or in pursuance of higher studies.
- To motivate students, acquire aptitude for lifelong learning along with leadership skills, team spirit and ethical values so that they upgrade themselves with the latest trends in the field of engineering in order to serve the society.

Programme Outcomes (POs)

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **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.
- **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.
- **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.
- **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.
- **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.
- **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.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **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.
- **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.
- **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.

Programme Specific Outcomes (PSOs)

- An ability to specify, design and analyze systems that efficiently generate, transmit, distribute and utilize electrical power.
- An ability to analyze and design electrical machinery, electrical/electronic circuits, electrical/solid state drive systems, lighting systems and deliver technological solution by assimilating advances in allied disciplines.
- An ability to specify, design, implement and test analog and embedded signal processing electronic systems using state of art components and software tools.
- An ability to analyze, design and implement the learning in electrical instrumentation, control and automation applications.

FACULTY ACHIEVEMENTS

Publications by faculty members/Students of the Department:

Title	Name of Journals/Book Chapters/ Conferences	Month & Year	Vol. No./ Issue No./ Page No./ ISSN No.	Author(s) Name	Indexing
Classification of Power Quality Disturbances Using Stockwell Transform and Random Forest	International Conference on Future Power Network and Smart Energy Systems: Issues and Challenges (FPNSES-2024)	Date of Conference: 08-10 mar 2024 Date Added to IEEE Xplore:	Accepted, will published in next month	Gurpreet Singh	SCOPUS
Prediction of Global Horizontal Irradiance based on explainable Artificial Intelligence	2024 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE), Bangalore.	Date of Conference: 24-25 Jan, 2024 Date Added to IEEE Xplore: 20 Mar, 2024	Electronic ISBN:979-8-3503-0641-5 DOI: 10.1109/IITCEE59897.2024.10467440	Praveen Kumar Raghuvanshi	SCOPUS
Classification of Power Quality Disturbance using Stockwell Transform	IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)	Date of Conference: 24-25 Feb 2024 Date Added to IEEE Xplore: 02-April, 2024	Electronic ISBN: 2688-0288 Dol: 10.1109/SCEECS61402.2024.10482166	Aayush Ranjan; Deepanshu Lodhi; Abhinav Tripathi; Chandrika Pal; Gurpreet Singh; Rahul Virmani	SCOPUS
Deep Learning based PQD Classification using Time and Frequency Domain Features	IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)	Date of Conference: 24-25 Feb 2024 Date Added to IEEE Xplore: 02-April, 2024	Electronic ISBN: 2688-0288 DOI: 10.1109/SCEECS61402.2024.10482210	Ashit Krishna Pathak; Rahul Virmani ; Archit Garg; Gurpreet Singh ; Ishita Arya; Avaneesh Chaurasiya	SCOPUS
A Technical Implementation of Solar Based Charger for Electric Powered Vehicles	2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT) at GCET, G.Noida	Date of Conference: 09-10 February 2024 Date Added to IEEE Xplore: 08 April 2024	Electronic ISBN:979-8-3503-8354-6 DOI: 10.1109/IC2PCT60090.2024.10486465	Keshav Sharma, ; Bhupender Sharma ; Gaurav Gulati; Piyush Medheshiya; Jatin Rajpoot; Saibal Manna	SCOPUS

Title	Name of Journals/ Book Chapters/ Conferences	Month & Year	Vol. No./ Issue No./ Page No./ ISSN No.	Author(s) Name	Indexing
Fin FET Fractional Order Injection Locked Oscillator	Conference Series: International Conference on Energy Systems, Drives and Automations Book: Advances in Energy and Control Systems Lecture Notes in Electrical Engineering ((LNEE, volume 1148))	Date: 15- June, 2024	Online ISBN: 978- 981-97-0154-4 Vol-1148, Page- 183-194 DOI: https://doi.org/10.1007/978-981-97-0154-4_13	Ankita Bhatt	SCOPUS
Soliton Propagation and Its Applications	Conference Series: International Conference on Energy Systems, Drives and Automations Book: Advances in Energy and Control Systems Lecture Notes in Electrical Engineering ((LNEE, volume 1148))	Date: 15- June, 2024	Online ISBN: 978- 981-97-0154-4 Vol-1148, Page- 237-248 DOI https://doi.org/10.1007/978-981-97-0154-4_18	Ankita Bhatt	SCOPUS
Improved relay algorithm for detection and classification of transmission line faults in monopolar HVDC transmission system using signum function of transient energy	IEEE Access	19-Jan 2024	Vol-12, Page- 15561 - 15571 Electronic ISSN: 2169-3536 DOI: 10.1109/ACCESS.2024.3356012	;Shubham Tiwari;	SCI-Q1
Computation and Optimization of BESS in the Modeling of Renewable Energy Based Framework	Archives of Computational Methods.	06-Jan 2024	DOI: https://link.springer.com/article/10.1007/s11831-023-10046-7	Vivek Saxena	SCI-Q1
Impact Analysis of Demand Response on the Optimal Placement of Solar PV Systems in the Distribution Network.	Brazilian Archives of Biology and Technology. Article: Engineering, Technology and Techniques	01-March 2024	Vol. 67, ISSN 1678- 4324 DOI: https://doi.org/10.1590/1678-4324-2024230419	Vivek Saxena	SCI
Coal power plant- enabled grid resilience through distributed energy resources and demand response integration.	Electrical Engineering, SPRINGER	29-Jan 2024	Vol. , ISSN DOI https://doi.org/10.1007/s00202-024-02239-5	Vivek Saxena, N. Kumar, U. Nangia	SCI

Patents Published by faculty members/Students of the Department:

Name of Inventors	Title of the patent	Status	Year	Published By/ Granted By
Dr. Amit Agrawal Ms. Ankita Bhatt Prof. Kusum lata Agrawal Dr. Shubham Tiwari Mr. Rakesh Kumar Gupta (Orbits)	A novel Analog Multiplier based on second generation current conveyor (CCII)	Published Patent Application Number - 202411014613	Date of File: 28-Feb, 2024 Publication: 08-April, 2024	Indian
Saumya (Student, EN) Nishant Kumar Atttri (Student, EN) Mr. Vikash Tiwari	Safe Socket Shield: Innovative Shock-Resistant Electrical Outlet System	Published Patent Application Number - 202411032643	Date of File: 24-April, 2024 Publication: 10-May, 2024	Indian
Mr. Saibal Manna	A Novel Decentralised Control Scheme for Microgrid Integrated Photovoltaic Powered Electric Vehicle Charging with Battery Energy Systems	Published Patent Application Number - 202411043462	Date of File: 05-June, 2024 Publication: 14-June, 2024	Indian

FDP/Workshops/Webinars attended by Faculty Members:

Name of the Faculties	Title of FDP / STTP/ Workshop/ Others	Venue	Dates
Dr. Amit Agrawal	Research Papers, IPR, and Project Proposal Writing	ON-Line	6 th – 11 th May, 2024
Dr. Saibal Manna	Technical Writing using LaTeX	ON-Line	30 th Mar-5 th Apr, 2024
Dr. Saibal Manna	Research Papers, IPR, and Project Proposal Writing	ON-Line	6 th – 11 th May, 2024
Dr. Bhupender Sharma	Digital Grid: Transforming the Smart Energy Future	ON-Line	16 th – 20 th Feb, 2024
Dr. Bhupender Sharma	Research Papers, IPR, and Project Proposal Writing	ON-Line	6 th – 11 th May, 2024
Mr. Abhishek Kumar Gupta	Research Papers, IPR, and Project Proposal Writing	ON-Line	6 th – 11 th May, 2024
Mr. Abhishek Kumar Gupta	Implementation of AI & ML for Real – World Applications: Challenges and Best Practices	ON-Line	15 th – 19 th April, 2024
Ms. Ankita Bhatt	Circuit Ideas to boost BiCMOS ICs for Wireless Backhaul	ON-Line	21 st – 25 th July, 2024
Ms. Ankita Bhatt	Quantum Computing	ON-Line	18 th – 22 nd April, 2024

STUDENT ACHIEVEMENTS

GATE | Qualifiers



Aman Yadav (AIR-8798)



Aayush Ranjan (AIR- 9148)



Azeem Ahmad (AIR-7584)



- Riddhi Saraf, Saurabh and Nitin Jha Students of B Tech 2nd year(ELCE) secured a position in the Top 100 Finalists in the **Google Developer Student Clubs (GDSC) Solution Challenge 2024** on 2nd February 2024.

Team Name: LEAFLNK

Event name: GDSC Solution Challenge 2024

Achievement:

GDSC Solution Challenge Global Top 100

Selected for Regional Bootcamp

Invited for Build with AI Event

Received: Custom Top100 t-shirt, stickers

- Nishant Kumar Attri, student of B.Tech. 3rd year EN. Nishant has completed several NPTEL courses and earned the "Elite" certification in:

1. Developing Soft Skills and Personality
2. Enhancing Soft Skills and Personality
3. Speaking Effectively
4. Introduction to Industry 4.0 and Industrial Internet of Things

- Saumya, student of B.Tech. 3rd year EN has successfully completed several NPTEL courses and earned the "Elite" certification in:
 1. Developing Soft Skills and Personality
 2. Enhancing Soft Skills and Personality
 3. MATLAB Programming for Numerical Computation
 4. Speaking Effectively
 5. Introduction to Industry 4.0 and Industrial Internet of Things
- Gagan, Shagun Tomar and Saurabh of BTech 2nd year, ELCE won the first round of Terratech from north zone organized by IIT Kharagpur on 4th March 2024.
- Nitin Jha, Riddhi Saraf, Saurabh of BTech 2nd year, ELCE won GSDC (Google Solutions Developer Challenge) organized by Google on 28th March 2024.
- Gaurav kumar Singh, Student of B Tech 3rd year(EN) Participated and awarded to "WINNER" in "Cricket "Organized by inter college 5th Dr. Prem chand jain Memorial cricket Tournament at JAMIA MILLIA ISLAMIA Sports Complex, Okhla, New Delhi on 27 January 2024. He has also awarded to " RUNNER UP" In the event "CRICKET" Of AAGAZ'24 state level annual sports festival organized by HBTU KANPUR from 13th -15th April 2024.
- Amarjeet panday student of BTech. 1st year (EN) and his team actively participated and awarded with 2nd position in the event "BID Wiser" organised by E-cell Abes Engineering college on 8th june, 2024.
- Animesh Kumar, student of B.tech. 1st year (EN) participated and awarded with "Silver medal" in "Badminton" in the Event "Urja 2.0" held by ABES Engineering College from 19th-21st April 2024.
- Yash Tyagi and Aashita Sharma, students of B.Tech 1st year (ELCE) participated and secured 1st and 2nd position in a Graphic Designing Competition, "Wrap it Up" by Codechef ABESEC chapter in May 2024.
- Kavita Singh student of Btech. 1st yr (EN) participated and awarded with 2nd position in "Doubles Badminton" in the event Utsaaha'24 held by Abes engineering college from 11th may to 13th may and achieved silver medal in "200 m race" in the same event.



Animesh Kumar, student of B.tech. 1st year (EN)



Kavita Singh student of Btech. 1st yr (EN)



- Aashita Sharma, student of B.Tech 1st year, participated and secured 1st position in an interview preparation competition Prep Up 7.0 by Minerva: The Literary Society of ABESEC from 15th to 17th May 2024.
- Aashita Sharma, student of B.Tech 1st year (ELCE), participated and secured 3rd position in a UI/UX competition Mind th Gap organized by GDSC (Google Development Student Council) ABESEC on 19th May 2024.



Aashita sharma during competition Prep Up 7.0 by Minerva: The Literary Society

INDUSTRIAL VISIT

The Department of EN and ELCE organized a lecture cum industrial visit at **Sofcon India Pvt. Ltd., Noida** for EN-3rd Year students on 16th April 2024.

Aim of the visit was:

To provide advanced exposure to practical aspects of industrial automation, including Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA).

Additionally, the visit aimed to inspire ideas for project development using PLC/SCADA technology and to help students understand the industry-institution relationship and criteria for securing paid internships and placements.

Visit outcomes were as follows:

1. **Practical Exposure:** Students gained practical exposure to industrial automation technologies, including PLC, SCADA, and VFD, through hands-on sessions at Sofcon India Pvt. Ltd.
2. **Industry Insights:** Interaction with industry experts provided students with insights into industry-institution relationships, internship opportunities, and criteria for placement.
3. **Skill Enhancement:** Engaging in practical sessions and discussions helped students enhance their technical skills, problem-solving abilities and industry-relevant knowledge.

Faculty members accompanying students during visit:

1. Dr. Pragati Shrivastava Deb
2. Mr. Vivek Verma



Photographs during Industrial visit at Sofcon India Pvt. Ltd.

Photographs during Industrial visit at Sofcon India Pvt. Ltd.



MOU SIGNED

The Department of Electrical & Electronics & Orbits are pleased to announce that a MoU has signed between ABES Engineering College, Ghaziabad, and Mitzvah on 04th march 2024.

Mitzvah is a leading manufacturer of Air curtains has made an image of a highly focused system driven engineering company delivering high performance energy saving products since the last 22 years with more than 15,000 customers and 3 Lakh installations. Mitzvah has its registered office at A-7/119, SSGT Road Industrial Area, Ghaziabad UP 201009 and have pan India Network along with its presence in 11 counties. One can find its Product installed at the entrance of Starbucks, Haldiram, Dominos, V Mart, Burger King, Retail Stores, Reliance Mart, Patanjali and many more.

The MoU was signed and delivered on behalf of ABES Engineering College by Prof. (Dr.) Kusum Lata Agrawal, EN and Mr. Anoop Pandey, In-charge (Orbits) ABESEC with Mr. Mitul Jain Founder & Director, Mitzvah in the presence of Dr. Rajneesh, Orbits, Mr. Vivek Kumar Verma, EN, Mr. Rakesh Gupta, Orbits along with other company officials.

This collaboration will have the following objectives:

- Collaboration for mutual benefits, to enhance the quality of the educational experience of students of the partner by offering online training and internships.
- To get consultancy projects over the real time problems faced by the industry.
- The partner shall provide the requisite infrastructure, network, internet access, Local
- Accommodations/food/transport to the trainers and any other facility required for the On-campus training.
- Trainings will be planned as per schedule mutually agreed upon by both the parties.
- The techno-commercial proposal for any project will be shared separately and will be granted on mutual consent of the parties.

The Department of EN is fully committed to building relationships with prestigious industries and is enthusiastic about creating valuable Memorandums of Understanding (MoUs) in the near future.



Photograph during signing of MOU

Events Organized

- The Department of EN and ELCE organized the Fresher's Party, "VIHAAN (The Sun Rise) - 24" on January 29, 2024.

The event commenced with the Saraswati Vandana, which was followed by a series of cultural activities such as singing, dancing, shayri, and group acts. The games and activities were thoroughly enjoyed by everyone. There were 4 titles for the freshers to compete for - Mr. and Ms. Freshers, Well Dressed and Best Performer.

The Names of Title winners (EN Branch) of the event were:

MS. FRESHER-: ARSHIYA JAIN

MR. FRESHER-: VIVEK SINGH

WELL DRESSED-: MANSHA GOYAL

BEST PERFORMER -: TANYA CHAUDHARY

The Names of Title winners (ELCE Branch) of the event were:

MR. FRESHERS-: ARYAN SINGH

MS. FRESHERS-: AKSHITA SINGH

WELL DRESSED-: CHANCHAL MATHUR

BEST PERFORMER-: UTKARSH DIWEDI

- Here are some glimpses of our event:



Photographs of Fresher's Party, "VIHAAN (The Sun Rise) - 24"

- **The Department of Electrical & Electronics Engineering, conducted the Expert talk on 'IPR' on 30th April 2024.**
- The guest speaker of the event was **Mrs. Somya Kaushik, Associate Vice President (ELPIS Analytix)** delivered the session. The session successfully shed light on Intellectual Property Rights (IPR) where Mrs. Somya Kaushik discussed the importance of "Intellectual Property Rights (IPR)". The students of EN-3rd Year have attended the session that was very interactive and informative for all students. The objective was achieved to provide a comprehensive understanding of different types of intellectual property, such as patents, trademarks, copyrights, and trade secrets, and their significance in protecting innovation, fostering creativity, and encouraging economic growth.

Outcomes of the event are listed as below:

- To Identify different types of intellectual property and their respective roles in protecting innovation and creativity.
- To Understand the importance of intellectual property rights in fostering economic development and promoting competition.
- To Recognize the processes involved in obtaining and enforcing intellectual property rights.
- To Appreciate the ethical and legal considerations associated with intellectual property, including issues of infringement, licensing, and international regulations.



Photographs during Expert talk on 'IPR'

- The Department of EN and ELCE organized a Technical Debate competition, “Tech-Tark” under the aegis of VIBHAV- student Chapter, Institution of Engineers, India (IEI). The event was scheduled on 21st and 22nd May'2024 in offline mode. The TECH-तर्क was a spirited event that brought together students from different branches to engage in presenting views and critical thinking.

In the event, the 32 participants boldly presented their views on the critical present-day issues such as:

1. Is DIGITAL MEDIA making people dumber.... or smarter.
2. What does industry require: skilled workforce or advanced automation?
3. Brain computer interface: Ethical and Regulatory framework.
4. Cybersecurity: Should individuals or governments be responsible for protecting online privacy?
5. Ethical Considerations in Technology: How should emerging technologies like genetic engineering be regulated?
6. Insta-Pilgrimage: Finding faith in the age of Filters.
7. Is AI leading to unemployment?

Engaging opening statements in Round 1 portrayed the diversity in thoughts and awareness of the participants. Interesting and captivating group discussions, followed by one-on-one war of words between our finalists engaged the audience for entire duration.

At the end, **Ms. VIDHI GANDI (CSE-1st Year)** was declared the winner, and **Ms. ARSHIYA JAIN (EN -1st Year)** was declared as runner-up.

The event was well conducted under the supervision of Dr. Pragati Deb Shrivastava, HoD (EN & ELCE) and coordinated by Mr. Rahul Virmani, counsellor, VIBHAV and 2nd year students of EN & ELCE.



Photographs of Technical Debate competition, “Tech-Tark”

- The Department of Electrical and Computer Engineering (ELCE) and Electrical & Electronics Engineering (EN) organized an online Alumni Interaction on the topic "Reminisce Journey from ABES to IISc Bangalore " for 1st & 2nd year students" of ELCE & EN on 25th May. 2024.

The speaker of the program was **Mr. Ravi Khandelwal (Alumnus EN Batch 2015-2019)**. The guest speaker shared his learnings and achievements with students and also discussed the following topics very enthusiastically:

- Importance of enrolling in NPTEL certification courses
- Maintaining decent academic grade for getting placement opportunity
- Importance of Time Management for achieving the goal
- Importance of communication skill for professional success
- Various research opportunities in India and Abroad

Convener : Dr. Pragati Deb Srivastava (HoD-ELCE & EN)

Event Coordinator : Ms. Geetika Aswani (Assistant Prof. , ELCE & EN)



Photograph during Alumni Interaction on the topic "Reminisce Journey from ABES to IISc Bangalore"

- **With great enthusiasm & lots of happy memories, a farewell "शुभमस्तु" was organized by the third-year students of EN Department for the graduating batch 2020–24 on 30th May, 2024 in the college auditorium.**

The event progressed with Saraswati Vandana, and the lamp lighting. The event was followed up with an address by the Head of the Department, who spoke encouraging words of wisdom for the final-year students.

Thereafter 3rd year students planned a series of events including dance and singing performances which were accompanied by some games.

The event proceeded with the announcement of special titles for 4th year students and multiple activities for Mr. and Ms. Farewell round which was judged by HoD madam and faculty members of EN department. The first activity was Ramp Walk, the next was talent round and the last was Questionnaire after which the two titles were decided.

The Title winners at the event were:

Mr. Farewell: SHOAIB AHMED

Ms. Farewell: SHIWATVI

The event progressed with glimpses of the four-year journey of B. Tech for final-year students. The video was very overwhelming. The event concluded with a photograph session with title winners, students of the 2019-2023 batch and 2020-2024 batch.

Convener : Dr. Pragati Shrivastava Deb (HOD - EN)

Event Coordinators : Mr. Abhishek Kr Gupta (Assistant Professor, EN), Ms. Geetika Aswani (Assistant Professor, EN)

Organizing Team : Mr. Vikas Tiwari (Assistant Professor, EN), Ms. Isha Rajput (Assistant Professor, EN)



Photographs during farewell "शुभमस्तु"

- **The Department of EN organized a Project Exhibition "ABHISARG " for final year students (batch: 2020-24) on 4th June'2024.** The event showcased a plethora of projects both hardware and software that were deployed by final year students. Diverse array of projects highlighted the creativity and dedication of our students. The event carved a "learning by doing" streak amongst the students. Experts from industries were available to evaluate the student projects. The department is highly grateful for their benign presence.

Industry Delegates were:

1. Mr. Ashutosh Sharma- MD, Vol trans Energy Pvt Ltd
2. Mr. Vikas Rohila - Sr. Manager, Automation Business Development, Sonepar India Pvt Ltd
3. Mr. Vinod Dahiya - Head Sales , Software, Sonepar India, Pvt Ltd

Three groups were awarded for their extraordinary work.

1. First prize:- "Design and implementation of a wireless communication based platooning systems for trains" by Amit Raghav, Nitin Chauhan, Anubhav Anand, and Neeraj Kumar.
2. Second prize:- " Automated plant disease detection using 2D-CNN" by Asmit Raghav, Bhanu Pratap Singh, and Avinesh Kumar Singh
3. Third prize:- " Jal Prahari: Improvement and alertness for Drinking Water by No- Invasive & IOT based system" by Tejas Choudhary, Pankaj Kumar Rathi and Prem Kumar.

Convener: Dr Pragati Deb Srivastava, Head EN & ELCE

Coordinators: Mr. Vivek Verma, Senior Assistant Professor, Ms. Ankita Bhatt, Assistant Professor



Photographs of Project Exhibition "ABHISARG "

- The ELCE & EN Department conducted various activities under the celebration of Cyber Crime Awareness Week, which took place on June 20th, 2024 and June 22nd, 2024. In these activities, students participated enthusiastically.

Objectives were:

- To give awareness about Cyber Safety and its benefits
- Educating on how to be safe online especially on social media
- Impact of Cyber Crimes on an Individual
- Cyber Security measures

Outcomes were :

These activities make them aware about the dangers of cyber fraud and also equip them with the knowledge and skills to protect themselves online.

Activity Coordinator: PL's & CC (ELCE & EN Ist year & IInd Year)

Convener: Dr. Pragati Deb Srivastava (HoD - ELCE & EN)



Photographa during Cyber Crime Awareness Week

Training Modules Session 2023-24

EN Training Modules of 2nd Year (Sem IV), Batch 2022-26 Session 2023-24					
Year	Sem	Type of Training	Training Program	Trainer	Hrs/ Sem
EN -2nd	IV	Domain Specific Training	Industrial Automation using PLC (TEN-401)	Mr. Vivek Verma	36 Hrs
			Energy Storage Systems in Electric Vehicles (TEN-402)	Mr Vikas Tiwari Dr. Saibal Manna	36 Hrs
			VLSI Design using PSPICE (TEC-401)	Mr. Kamal Bhatia	34 Hrs
			Microcontroller and Embedded system-II (TEC-402)	Ms. Ranjeeta Yadav	34 Hrs
		IT (Learnys)	Problem Solving Intermediate Level (Python problem solving) (VAEL401)	Mr. Arshad Ali	20 Hrs
ELCE Training Modules of 2nd Year (Sem IV), Batch 2022-26 Session 2023-24					
ELCE-2nd	IV	IT Domain Training	Full Stack Development (VAEL402)	Ms. Nepali Singla	40 Hrs
		IT (Learnys)	Problem Solving Intermediate Level (Python problem solving) (VAEL401)	Mr. Arshad Ali	20 Hrs
EN Training Modules of 3rd Year (Sem VI), Batch 2021-25 Session2023-24					
EN-3rd	VI	Domain Specific Training	Basics of Industrial Automation (VAEE602)	Mr. Vivek Verma	30 Hrs
		IT (Learnys)	Problem Solving (Company Specific)	Mr. Sanchit Tyagi	60 Hrs.

PLACEMENT OF BATCH 2020-2024



Injila Ali
TCS



Shoaib Ahmed
Lutron GL Sales & Services Pvt. Ltd.



Aayush Ranjan
EXL Service Pvt Ltd.



Gaurav Gulati
Authbridge



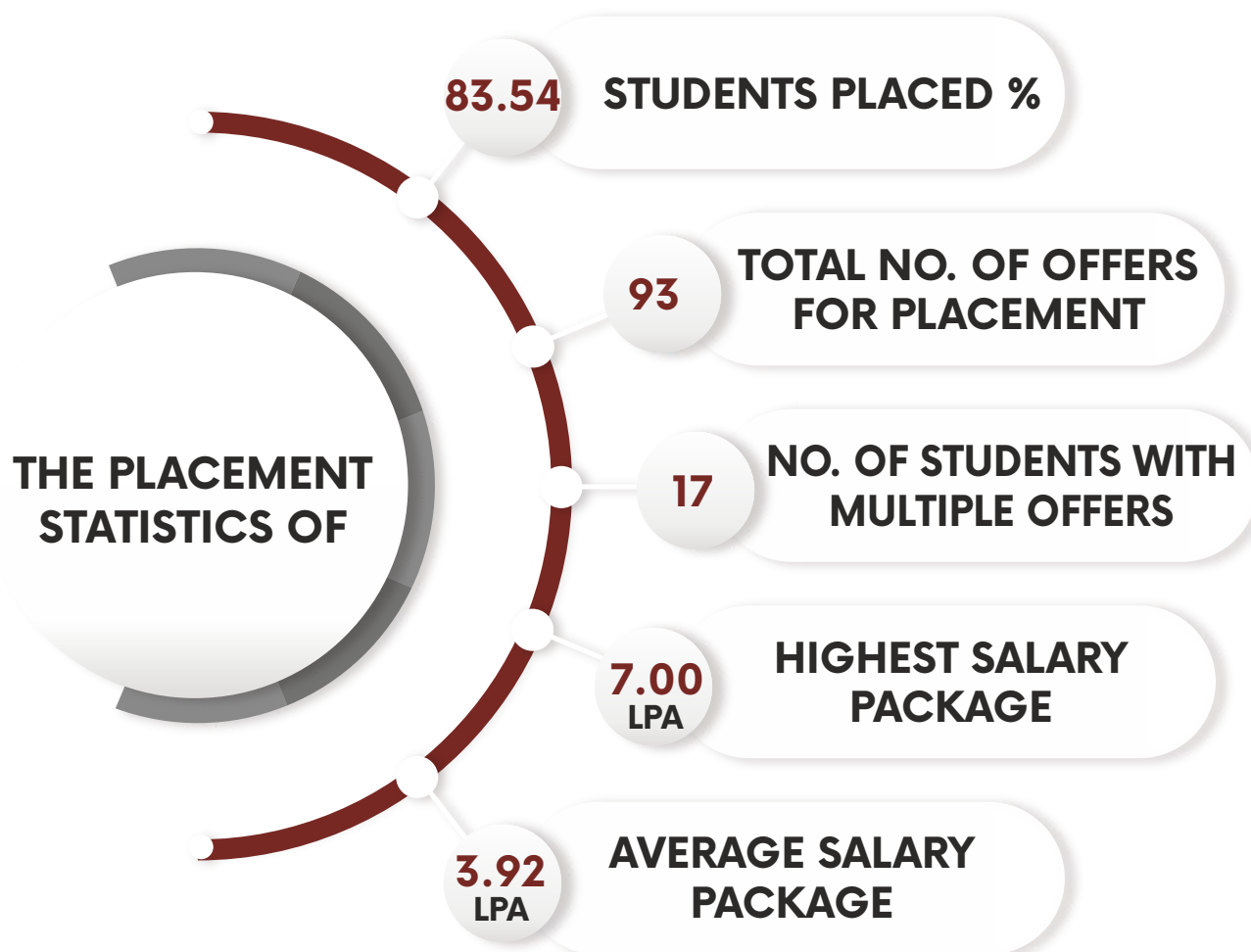
Priya Dixit
Hiremi



Abhishek Jaiswal
Hiremi



Shikar Pratap singh
Hiremi



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Chairman, ABESEC

Patrons
Sh. Sachin Kumar Goel
Vice President
Prof. (Dr.) Devendra Kumar Sharma
Director

Chair, Publication
Dr. Pragati Shrivastava Deb
Head, EN Dept.
hoden@abes.ac.in

Editor & Compiler
Ms. Isha Rajput
Asst. Prof., EN Dept.
isha.rajput@abes.ac.in

Student Co-ordinator
Ms. Ashita Sharma (1st year)
Mr. Sagar Dubey (3rd year)

ABES Engineering College

Approved by AICTE & Affiliated to Dr. APJ Abdul Kalam Technical University, UP
NAAC "A" Grade Accredited, NBA Accredited Branches (CSE, ECE, IT, EN, ME)
19th Km Stone, NH 09, Ghaziabad 201009, UP
Ph: 0120-7135112, Fax : 0120-7135115 Mobile: +91-9999889341