

From the Editorial Team

SAMPARK

CHIEF PATRON

Dr. R. K. Agarwal
Director General

PATRON

Dr. Hemant Ahuja
Director

EDITOR

Ms. Navjyoti Sharma
Assistant Professor
Department of Electrical &
Electronics Engineering

It is with great pleasure that we present the 2024 edition of SAMPARK, the esteemed magazine of our engineering college -an intellectual platform dedicated to showcasing the exceptional talent, innovation, and accomplishments within our esteemed community. This publication embodies the collective diligence and commitment of the AKGEC family, including our administration, faculty, staff, students, alumni, recruiters and collaborative partners, all of whom tirelessly strive to propel the fields of engineering and technology forward.

In this distinguished edition, our readers will encounter a wide array of thought-provoking content, from pioneering research and transformative projects to inspiring narratives from our accomplished alumni. We have also curated a visually immersive and comprehensive updates on the latest developments in co-curricular and cultural activities within the college.

Our mission is to cultivate an intellectually enriching space for the exchange of ideas, the amplification of voices, and the nurturing of creativity within our community. We trust that this magazine will ignite curiosity, stimulate innovative thinking and inspire active participation in the dynamic realm of engineering.

The editorial team extends its deepest gratitude to our Director General for his invaluable counsel and unwavering encouragement, which have been instrumental in the realization of this issue. This edition owes its existence to the steadfast contributions of numerous individuals, including department heads, deans, section heads, faculty, staff and students, whose combined efforts have made this endeavor possible.

Editorial Team

3 DIRECTOR GENERAL'S MESSAGE

4 SCOOP

MAJOR EVENTS

- Industrial Automation Specialist Training Program for Defence Personnel
- Two-Day Drone Technology Workshop
- Training of Trainer (ToT) Program for SRPs
- Downstream Technical Training for Hindalco Industries
- One-Day Training Program on Cylinder Safety/Handling/Operation
- Placement Drive by KUKA India Pvt. Ltd.
- Centre of Excellence (CoE) in Additive Manufacturing– Uttar Pradesh Start-up Policy 2020
- Internship Program for School of Specialized Excellence (SoSE) Students
- Mitsubishi Electric India (MEI) – 3rd Authorized Training Centre (ATC) Meet
- Innovation Boot Camp
- Two-Day Exposure Visit for CBSE School Principals

AKGEC SKILLS FOUNDATION ACTIVITIES

- Visit by Eminent Industrialists / Professionals
- Promotional Workshops
- Competence Development Initiative
- Training Details

SOCIAL ACTIVITIES

- Deen Dayal Upadhyay Gramin Kaushalya Yojna (DDU GKY)
- PMKVY 4.0 (Skill Hub)
- Uttar Pradesh Skill Development Mission (UPSDM) -Startup Training Provider
- UPSDM: Private Engineering College Training Provider

13 TOUR DE FORCE

ADMISSIONS

RESULTS

- University Position Holders

PLACEMENTS

- Highest Package Achievers

ACHIEVEMENTS

- Shankara Hackathon 2023
- Anveshna 2024
- Victory at "The Airborne Archers" Drone Competition
- "30Hacks" Hackathon organised by Hitachi x Global Logic
- Shankara Global Hackathon
- CII – Majestic Skill-Will-Lead
- India Skills Competition 2024 Participation
- AKTU Sports Fest 2023-24
- MIRAZ'24 (IIT Mandi)

Other Achievements in Sports During 2023-24
Antaragni

WAVES - BITS GOA

College Awards And Recognition

33 ACADEMIA FIRMAMENT

FACULTY DEVELOPMENT PROGRAMS

- FDP on AI-ML and Data Science for Industry 4.0
- FDP on Quality Control of Concrete
- FDP on Innovation Management & Intellectual Property Rights
- FDP on Complex Networks Analysis using Python
- FDP on Cloud Computing: A Hands-on Approach with AWS Cloud
- FDP on Green Manufacturing
- FDP on Additive Manufacturing
- FDP on Mastering the Core Elements of Research
- FDP on Energy Storage Materials and Technology
- FDP on Industrial Robotics
- FDP on Unleash the New Age Educator in You
- FDP on Unlocking the Fundamentals of Research Excellence
- FDP on Unleash the New Age Educator in You
- FDP on OpenCV for Image and Video Processing Applications

CONFERENCES ORGANIZED

RESEARCH AND DEVELOPMENT

- Research Papers Published by Faculty Members
- Book Chapters Published by Faculty Members
- Research Publications by Students
- Patents
- Industrial Projects and Consultancy

GUEST LECTURES BY EMINENT EXPERTS

FDPs/WORKSHOPS/SEMINARS ATTENDED BY FACULTY MEMBERS

ALUMNI TALKS

FACULTY

- New Members to AKGEC Family
- Faculty Promotions
- Higher Qualifications

92 TECHNICAL CLUBS AND SOCIETIES

104 EVENTS @ AKGEC

- | | |
|--------------------------|---------------------------------|
| ➤ Student Award Ceremony | ➤ Freshers' Party |
| ➤ Kavi Samelan | ➤ Vishwakarma Puja |
| ➤ Diwali Fair Event | ➤ Deepawali Evening Celebration |
| ➤ T. T. Tournament | ➤ 17th Alumni Meet |
| ➤ Garba Night | ➤ Vasudha 2K24 |
| ➤ Farewell Party | ➤ SCROLLS |

111 CELEBRATIONS

- | | |
|-------------------------|--------------------------|
| ➤ Independence Day | ➤ Republic Day |
| ➤ Holi Celebration 2023 | ➤ International Yoga Day |

113 ANTI RAGGING MEASURES AND INDUCTION PROGRAM 2023

115 SOCIAL RESPONSIBILITY

- | | |
|-----------------------|-------------------------|
| ➤ Refugee Camp | ➤ Unnat Bharat Abhiyaan |
| ➤ Medical Camp | ➤ Adarsh Vikas Kendra |
| ➤ Blood Donation Camp | ➤ Ek Ped Maa Ke Naam |

118 ALUMNI SPEAKS

120 MEDIA SPEAKS

DIRECTOR GENERAL'S MESSAGE



Dr. R.K. Agarwal
Director General

"With each passing day, the frontiers of interstellar achievement propel our understanding far beyond the constraints of Earth". As we reflect upon yet another remarkable year at our institution, we are filled with profound pride and gratitude for the significant milestones that have furthered the legacy of our engineering college. In our unwavering pursuit of academic distinction, our distinguished faculty, dedicated staff, and exceptional students have ventured into uncharted realms of knowledge, contributing to research that continues to illuminate the expansive landscapes of science and technology.

From the inception of visionary projects to the realization of groundbreaking discoveries, our institution stands as a paragon of innovation and collaborative ingenuity. Our students, driven by an insatiable curiosity and steadfast determination, have showcased their extraordinary talents on both national and international platforms, leaving an indelible impact on the global academic community.

As we present the compelling narratives of perseverance and achievement in this year's edition of our magazine, we must also recognize the invaluable contributions of those who work diligently behind the scenes—the mentors who guide, the administrators who provide unwavering support, and the staff whose meticulous efforts ensure the seamless functioning of our institution.

Within the pages that follow, may you find the inspiration to continue pushing the boundaries of possibility. Let us move forward together on this collective path of exploration and discovery, always mindful of education's transformative power and the limitless potential that resides within the human spirit.

MAJOR EVENTS

Industrial Automation Specialist Training Program for Defence Personnel

AKGEC Skills Foundation, in collaboration with IASC SSC, conducted a specialized Industrial Automation Training Program for 28 Junior Commissioned Officers (JCOs) and Other Ranks (ORs) of the Defence Services on 28 August 2023. The 570-hour program covered key aspects of industrial automation, including electrical safety, automation system design, and control panel installation. The program was inaugurated on 27 September 2023, in the presence of distinguished guests, including Major General Sharad Kapur and Mr. Brijesh Poddar.



Two-Day Drone Technology Workshop

A two-day workshop on drone technology was conducted by the Drone Club on 22 - 23 September 2023. The event featured sessions on the Drone Rules of 2021, sectoral applications, hands-on activities and practical flying sessions, providing participants with a comprehensive understanding of the drone ecosystem.



Training of Trainer (ToT) Program for SRPs

AKGEC Skills Foundation organized a Training of Trainer (ToT) program for Specialized Resource Persons (SRPs) in collaboration with ASDC from 26 – 28 October 2023. The program aimed to equip SRPs with the necessary skills to train Grade 9 and Grade 11 students in the domains of Mechatronics and Electrical Engineering.



Downstream Technical Training for Hindalco Industries

AKGEC Skills Foundation successfully conducted a Downstream Technical Training program for female diploma engineering trainees (DETs) of M/s Hindalco Industries, a subsidiary of the Aditya Birla Group, from 4 December 2023 – 13 January 2024. This fully residential induction program provided participants with in-depth exposure to Robotics & Automation, CNC machining and Advanced Welding. The trainees gained theoretical knowledge and hands-on practical experience, enhancing their technical competencies, confidence and industry readiness.



One-Day Training Program on Cylinder Safety/Handling/Operation

As part of the 53rd National Safety Month, AKGEC Skills Foundation, in collaboration with Air Liquide (North India) Pvt. Ltd., organized a one-day training program on "Cylinder Safety/Handling/Operation" on 21 March 2024. The session aimed to promote safety practices and raise awareness about proper handling and operation of industrial gas cylinders.

Placement Drive by KUKA India Pvt. Ltd.

A placement drive was conducted by KUKA India Pvt. Ltd. at the AKGEC campus on 19 February 2024. Two students from Mechanical Engineering and Electrical Engineering were selected for a six-month internship, providing them with valuable industry exposure and career development opportunities.

Centre of Excellence (CoE) in Additive Manufacturing - Uttar Pradesh Start-up Policy 2020

A proposal for the establishment of a cutting-edge Centre of Excellence (CoE) in Additive Manufacturing under the Uttar Pradesh Start-up Policy-2020 was submitted to the Department of IT & Electronics (DoIT) on 26 April 2023. The initiative aims to promote advanced technologies in education and entrepreneurship among youth. The proposal was presented before the Project Implementation Unit (PIU) of DoIT, chaired by the Hon'ble Principal Secretary, for interim approval and recommendation on 16 November 2023. Following the PIU's recommendation, the project was presented to the Policy Monitoring Implementation Committee (PMIC) of the Government of Uttar Pradesh, chaired by Hon'ble Infrastructure & Industrial Development Commissioner (IIDC) Shri Manoj Kumar Singh, IAS, at Lucknow on 11 January 2024. Subsequently, the project received approval from the Hon'ble Cabinet, Government of Uttar Pradesh, and the Government Order (G.O.) was issued after due recommendations from PIU and PMIC. Under this five-year initiative, the CoE aims to strengthen the start-up ecosystem in Uttar Pradesh by incubating 100 promising product-based startups, providing entrepreneurship training, and conducting vocational programs in Additive Manufacturing. Additionally, the center will undertake R&D projects from the industry and serve as a knowledge hub for MSMEs.



Internship Program for School of Specialized Excellence (SoSE) Students

An 80-hour internship program for six Grade XI students from the School of Specialized Excellence (SoSE), Lajpat Nagar, Delhi, affiliated with the Delhi Board of School Education (DBSE), was conducted in collaboration with Lend a Hand India (LAHI). Over 12 days, students received practical training in Automation and Robotics technologies, including robot control, motion programming, PLC logic development and applications in pneumatics and hydraulics.



Mitsubishi Electric India (MEI) - 3rd Authorized Training Centre (ATC) Meet

The Mitsubishi Electric India (MEI) 3rd ATC Meet was held at NIRMA University, Ahmedabad, attended by Prof. Ashiv Shah, COO, AKGEC Skills Foundation. Hosted by Mitsubishi Electric India Pvt. Ltd., the event focused on the ATC schedule for 2023-2024, exploring collaborative opportunities in Industrial Automation, student exchanges, and joint research projects.



Innovation Boot Camp

An Innovation Boot Camp was hosted by AKGEC FAB Lab, featuring seventeen enthusiastic students from various schools. The boot camp provided hands-on workshops in prototyping, 3D printing, and electronics, fostering problem-solving, critical thinking, and teamwork. The event concluded with an inspiring address by Ms. Deepti Mittal from KGDS Saraswati School, emphasizing innovation, resilience, and lifelong learning.



Two-Day Exposure Visit for CBSE School Principals

ASF hosted a two-day exposure visit for 30 esteemed principals from CBSE schools across Delhi-NCR, Aligarh, Shimla, and Hapur. The event aimed to integrate Skill Education from Class 6 onwards in alignment with the National Education Policy 2020, fostering collaboration with higher education institutions and providing students with experiential learning opportunities in various skill areas. Shri R. P. Singh, Joint Secretary of the Department of Skill Education, CBSE, graced the inauguration as the chief guest. Throughout the workshop, participants engaged in hands-on exposure to cutting-edge technologies such as robotics, embedded systems, and digital manufacturing. Additionally, guest lectures on entrepreneurship and design thinking were conducted to inspire creativity and innovation. The event also facilitated meaningful discussions on promoting skill education and strengthening partnerships between schools and higher educational institutions.



AKGEC SKILLS FOUNDATION ACTIVITIES

AKGEC focuses on providing industry-oriented training programs that bridge the gap between academia and real-world applications. With a strong emphasis on hands-on learning, skill development, and cutting-edge technologies, these training programs empower students and professionals to excel in their respective fields and meet the evolving demands of the industry. Following training programs were conducted by AKGEC Skill Foundation to promote ASF activities.

- A Short-Term Training Program, a vocational training program and three PMKVY training programs on Advanced Manufacturing were conducted from 07/04/23 to 08/06/23, 18/07/23 to 26/09/23, 19/07/23 to 05/10/23, and 26/09/23 to 01/12/23 for 64 students at AKGEC Siemens AMC.
- Three Corporate Industrial Welding Training Programs and one DDUGKY training program were conducted between 22/08/23 to 24/08/23, 31/07/23 to 04/08/23, 30/09/23 to 04/11/23, and 31/03/23 to 09/11/23 for a total of 65 participants at AKGEC AWTRC.
- A Short-Term Training Program and a PMKVY training program were conducted from 04/09/23 to 20/10/23 for 45 students at AKGEC FAB LAB.
- A PMKVY training program on Industrial Automation and Specialist was conducted from 05/09/23 to 16/12/23 for 30 students at AKGEC-BOSCH CEAT.
- A Short-Term Training Program on LabVIEW Core I and II was conducted from 03/10/23 to 20/10/23 for 17 students at AKGEC NI LabVIEW Academy.
- Two Short-Term Training Programs on Basic Robot Programming were conducted from 16/10/23 to 20/10/23 and 10/11/23 to 25/01/24 for 22 students at AKGEC KUKA IRTC.
- A Short-Term Training Program on LabVIEW Core I and II was conducted from 06/03/24 to 30/04/24 for 14 students at AKGEC NI LabVIEW Academy.
- Three Competency Development Programs in Advanced Welding and one DDUGKY training program were conducted between 15/03/24 to 03/04/24, 14/03/24 to 21/03/24, and 01/05/24 to 14/05/24 for a total of 31 participants at AKGEC AWTRC.
- Four Short-Term Training Programs on Basic Robot Programming were conducted from 15/04/24 to 30/05/24, 20/05/24 to 31/05/24, 18/06/24 to 28/06/24, and 13/06/24 to 21/06/24 for 28 students at AKGEC KUKA IRTC.
- Two Short-Term Training Programs were conducted from 13/05/24 to 27/05/24 and 22/07/24 to 09/08/24 for 32 students at AIA/Mitsubishi.
- A Short-Term Training Program on Industrial Automation and Specialist was conducted from 22/07/24 to 16/09/24 for 15 students at AKGEC-BOSCH CEAT.
- A Short-Term Training Program, one vocational training program, and one UPSDM training program on Advanced Manufacturing were conducted from 23/08/24 to 08/09/24, 10/07/24 to 26/09/24, and 26/02/24 to 03/03/24 for 94 students at AKGEC Siemens AMC.

Visit by Eminent Industrialists / Professionals:

AKGEC Skill Foundation regularly hosts visits from eminent industrialists, academicians, and industry leaders, fostering collaborations and knowledge exchange. These visits provide valuable insights, strengthen industry-academia partnerships and open new avenues for research, training and student opportunities.

- Mr. Marty Bince, President of the International Society of Automation (ISA), visited the AKGEC Skills Foundation on 20 September 2023, along with other notable guests, including Mr. S. K. Dhawan, Patron of ISA Delhi Section Ms. Anuja Thukral, ISA Student Section Chair, APAC and Mr. Ashish Manchanda, Managing Director of Finder India Pvt. Ltd.

- Major General SharadKapur, Director General, Directorate General Resettlement Lieutenant Colonel Gaurav Vashishtha, Joint Director of Training, Directorate General Resettlement Mr. Brijesh oddar, CEO of IASC SSC and Mr. Nitin Kumar, Head of Partnership & Operations, IASC SSC, visited all Centers of Excellence (COEs) on 27 September 2023.
- Prof. Krishna Vedula, Executive Director of Indo Universal Collaboration for Engineering Education (IUCEE), visited all COEs on 17 December 2023.
- Mr. NileshKoul, Senior President & CEO of Aluminum Downstream and Mr. Lovkesh, Joint President & Head of Personal Mobility, Hindalco Industries Ltd., visited all COEs on 18 December 2023.
- Mr. Prahlad Singh, Head - Welding Mr. Surya Prasad, Regional Manager, Dee Piping and Mr. Gaurav Aneja, Business Head (Sales Manager - Fronius India, Gurgaon), visited the AKGEC Skill Foundation on 18 March 2024 to gain an overview of ASF COEs and the services provided.
- Mr. Ranjit Bhusry, Founder of R. R. Kobler Overseas Pvt. Ltd., visited the AKGEC Skill Foundation on 8 April 2024.
- Ms. Nailini Dhariwal, Deputy Director (Delhi); Mr. Anubhav Singh, State Lead & Senior Officer; Ms. Paridhi Singh, Ms. Aditi Shah and Mr. Tushar Mittal from the Lend A Hand India Delhi Team visited the AKGEC Skill Foundation on 22 May 2024 to explore our COEs and discuss potential collaboration between Lend A Hand India and ASF.
- Mr. Vipin Vashisht, AGM Mr. Sushil Kumar Chauhan Mr. Aayush Sharma Ms. Tanvi Pathak (HR) and other guests from Honda India Pvt. Ltd., Greater Noida, visited the AKGEC Skill Foundation on 26 July 2024 to explore our COEs, discuss joint research projects and offer six-month internships to final-year students along with placement opportunities.

Promotional Workshops:

To enhance awareness and engagement in cutting-edge technologies, AKGEC Skill Foundation (ASF) organized a series of promotional workshops. These workshops aimed to provide hands-on learning experiences, expose students to industry-relevant skills and promote ASF activities among academic institutions and training centres. The following workshops were conducted:

- Five one-day workshops on Advanced Welding Technology were conducted for 100 students from Govt. ITI Dhaulana, Sanskar Educational Group, AKGEC Civil Engineering students, and Govt. Girls Inter College, Baoli (Bagpat).
- Eight one-day workshops on Industrial Robotics were organized for 264 students from IEC College, Greater Noida, Sanskar College of Engineering, Ghaziabad Neelkanth College of Engineering, Ghaziabad Dr. Akhilesh Das Gupta Institute of Technology & Management, Delhi; MIET Jammu; National Skill Training Institute, Dehradun; IFTM University, Moradabad and Delhi Skill & Entrepreneurship University, Okhla-II Campus, Delhi.
- Six one-day workshops on Additive Manufacturing were conducted for 115 students from Neelkanth Group of Engineering, DESU Delhi, Sanskar College of Engineering & Technology, Sanskar World School, Shambu Global School and School of Specialized Excellence, Lajpat Nagar.
- Five one-day workshops on LabVIEW Core I & II were organized for 175 students from IEC College of Engineering & Technology, Greater Noida Dr. Akhilesh Das Gupta Institute of Technology & Management USAR East Delhi Campus, GGS IPU, New Delhi IIT Delhi and Greater Noida Institute of Technology.
- The college participated at the Education Worldwide India Fair, organized by Global Events & Expositions Private Limited on 14 April 2024 at Le Meridien Hotel, New Delhi. The college also participated at the Education Worldwide India Summit 2024, a prestigious event dedicated to shaping the future of education and skills development. The fair resulted in a great opportunity to meet and interact with the top leaders of the Education and Skilling ecosystem.

Competence Development Initiative

To enhance the expertise and technical proficiency of the trainers and team members at AKGEC Skills Foundation, various competence development programs were conducted. These initiatives focused on equipping trainers with industry-relevant skills, enabling them to deliver high-quality training aligned with global standards.

Training Details

| Name of Training | No of Days | Centre | Attended By | Conducted By | Date |
|--|------------|---------|---|-------------------------|---------------------------|
| CLAD Exam for LabVIEW | 1 | NI LVA | Ms. Suvarna Mujumdar, Ms. Sheersha Srivastava | National Instruments | 18th December 2023 |
| Train the Trainer Program on Paint Booth | 1 | AWTRC | Abhishek Gupta, Arun Nagar, Hari Shankar, Akashdeep, Mr. Shivam, Mr. Sachin Thakur, Mr. Himani Lalit | Tesmo India | 27th December 2023 |
| Train the Trainer Program on SIMOCODE | 5 | SIEMENS | Mr. Dinanath Prasad, Mr. Mahesh Sharma, Mr. Mahendra Dutt Dwivedi, Mr. Somnath Choudhuri | Fox Solution Pvt. Ltd. | 13th - 17th April 2024 |
| Train the Trainer Program on Advanced Welding Technologies | 5 | IRTC | Dr. Manoj Kumar Yadav | Fronius India Pvt. Ltd. | 29th April-4th May 2024 |
| Train the Trainer Program on Advanced Welding Technologies | 5 | AWTRC | Mr. Abhishek Gupta | Fronius India Pvt. Ltd. | 29th April - 4th May 2024 |
| Train the Trainer Program on Wall Pilot Charging Station | 1 | EBCS | Mr. Abhishek Gupta, Mr. J. S. Sirohi, Mr. M. K. Singh, Mr. Lav Kumar, Mr. Naresh Kumar, Mr. Parvender Kumar, Mr. Pavan Giri | Fronius India Pvt. Ltd. | 12th July 2024 |
| Train the Trainer Program on Modela MDX-50 | 2 | FAB LAB | Mr. Vikram Singh Rajput, Ms. Suvarna Mujumdar, Ms. Himani Lalit, Mr. Ankur Kashyap, Ms. Bhawana Singh | Roland | 6th - 7th May 2024 |

SOCIAL ACTIVITIES

Deen Dayal Upadhyay Gramin Kaushalya Yojna (DDU GKY)

The Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY), governed by the Government of India under the Ministry of Rural Development (MoRD), focuses on the economic empowerment of rural youth by providing skills-based training and employment opportunities to students from 10th and 12th grade in rural areas. AKGEC is serving as a Project Implementation Agency (PIA) under DDU-GKY and has signed an MoU with the UP Skill Development Mission to train 300 candidates across eight districts over three years.



This initiative gives special attention to underprivileged rural youth, including those from minority, SC/ST categories, and girls. To ensure holistic development, the AKGEC Skills Foundation integrates extracurricular activities, yoga, meditation, sports, gym sessions and workshops on human values and communication skills, fostering ethical awareness and good citizenship among students. The ongoing training programs include CNC Operator (Turning & Milling) for 1060 hours, Manual Metal Arc Welding/Shielded Metal Arc Welding for 1430 hours, and Field Technician (Computing & Peripherals) for 1110 hours.



So far, the program has achieved remarkable progress, with 268 candidates trained, 264 assessed and 263 certified, against a target of 280. Many students have successfully secured job opportunities in reputed organizations such as Cogent Ltd, iEnergizer, Holisol Talent Solutions, Aditya Engineering, Eureka Outsourcing Solutions, Gram Tarang Employability Training Services Pvt. Ltd., Tesmo India, Hero MotoCorp and Mita India Pvt. Ltd., earning attractive salary packages and securing a brighter future.

PMKVY 4.0 (Skill Hub)

The Skill Hub Initiative, launched under Pradhan Mantri Kaushal Vikas Yojana 4.0 (PMKVY 4.0), is a joint effort by the Ministry of Skill Development and Entrepreneurship (MSDE) and the Ministry of Education (MoE) to bridge the gap between education and industry requirements. This initiative aims to create a skilled workforce tailored to industry needs by establishing Skill Hubs as central vocational training centers for specific target groups.

Aligned with the 2020 National Education Policy (NEP), the program emphasizes vocational skill training within higher education institutions, offering demand-driven and industry-linked courses such as Industrial Automation Specialist, 3D Printing, Embedded Full-Stack IoT Analyst, PLC Programmer and Troubleshooter and Production Engineering.

Our college has been selected to participate in the Skill Hub Initiative, with a target to train 240 individuals. So far, 154 candidates have been trained and assessed, with 152 successfully certified, equipping them with industry-relevant skills and enhancing their employment prospects.



Uttar Pradesh Skill Development Mission (UPSDM) -Startup Training Provider

The Uttar Pradesh Skill Development Mission (UPSDM) is driving the UP-Skill Development Programme to provide short-term vocational training to the youth of Uttar Pradesh. Under its Startup Training Provider Scheme, UPSDM collaborates with private training providers to deliver industry-relevant skill development programs.

The AKGEC Skills Foundation has been enlisted under this scheme to train youth in high-demand job roles, including Field Technician (Computing & Peripherals), Automotive CNC Machining Technician, Four-Wheel Service Technician, Automotive Welding Technician and Automotive CAD Technician. With a total target of 250 trainees, the program has so far trained 71 candidates, assessed 162, and certified 69, equipping them with essential skills for enhanced employability.



UPSDM: Private Engineering College Training Provider

The Uttar Pradesh Skill Development Mission (UPSDM) is actively implementing the UP Skill Development Programme with a mission-oriented approach, aiming to provide short-term vocational training to the youth of Uttar Pradesh.

To achieve this objective, UPSDM has appointed AKGEC as a Private Engineering College Training Provider in the state of Uttar Pradesh. AKGEC has been tasked with training 500 individuals under this program. The training program encompasses various job roles, including Industrial Automation Specialist, Additive Manufacturing, Embedded Full-Stack IoT Analyst, Field Technician Computing and Peripherals, CNC Operator Turning and Manual Metal Arc Welding.



TOUR DE FORCE



ADMISSIONS

The college achieved commendable admissions for the academic year 2023-24, enrolling 1,523 students in the B.Tech programs despite declining trends across the state. The total student strength for the year stood at 5,507. Admissions were secured through both university counseling and direct admissions under the management quota. AKGEC remained one of the most preferred self-financed engineering colleges in the state, with students even favouring it over some government institutions. The college reached full capacity in admissions, while vacancies persisted in government colleges, further underscoring its growing preference among students. The management quota also attracted a strong pool of candidates, with 30% of direct admission students having a PCM score above 90%, 64% above 80%, 86% above 70%, and only 14% below 70%.

RESULTS

The academic results for students graduating in the year 2022-23 have been reasonably good. In the B.Tech program, 95.46% of students passed, with 93.72% securing a first division, including 47.56% with distinction and 5.4% with honors. Similarly, in the MCA (2-year) program, 92.31% of students passed, all securing a first division, with 63.08% achieving honors.

Beyond strong overall results, the college also excelled in university merit rankings. This year, 15 students featured in the top 10 merit lists of AKTU, earning prestigious accolades: one gold medal, one silver medal, and one bronze medal in B.Tech, along with a gold medal in MCA. These students were honored at the AKTU convocation in Lucknow on 26th December 2023.

The college has consistently produced a significant number of merit-list students and medalists over the years. This excellent and ever-improving performance is a testament to the dedicated efforts of faculty and staff, as well as the institution's continuous academic reforms and faculty and student development initiatives.



University Position Holders 2022-23



**GOLD MEDAL
I RANK**

AGRATA TIWARI
EI



SILVER MEDAL

II RANK

SAUMYA MISHRA
EI



BRONZE

III RANK

MUDIT SRIVASTAVA
EI



IV RANK

DEEPTI PANDEY
EI



IV RANK

ADITI MOHAN
ECE



IV RANK

ANKIT KUMAR AGARWAL
ME



IV RANK

UTKARSH SHARMA
IT



V RANK

SURBHI GANGWAR
EI



VII RANK

RITIKA SINGH
EN



VII RANK

UJJWAL AGARWAL
IT



VIII RANK

SHIWANI GUPTA
EI



IX RANK

SIDDHARTH CHAUDHARY
ME



IX RANK

SHREYA MAHESHWARI
IT



X RANK

AKSHAT BANSAL
IT



**GOLD MEDAL
I RANK**

AYUSHI BANSAL
MCA

Highest Package Achievers

PLACEMENTS

Outstanding academic performance, coupled with holistic development through diverse college events and activities, has led to strong placement outcomes for our students. The Training and Placement Department is playing a pivotal role in facilitating these opportunities by organizing industry-focused programs such as seminars, personality development sessions, and career counselling to enhance student competence and employability. Campus placements have shown consistent growth in both quantity (number of students placed) and quality (company profiles, job roles, and salary packages). The 2023 B.Tech graduates secured 1,471 offers, including opportunities for higher studies, while the 2024 batch achieved 1,479 offers, reflecting our unwavering commitment to excellence.

Major recruiters included top-tier companies such as Amazon, CISCO, Commvault Systems, Swasthya AI, Bricx, Talentserve, Park+, Adobe, TCS, Walmart, Uber, NXTPE Development India, MAQ Software, Gemini Solutions, BYJU'S, Solveda, Celebal Technologies, NM Tronics Pvt Ltd, Posist Technologies Pvt Ltd, Libsys, Lohia Corp Limited, Amantya Technologies, GlobalLogic, Colt Technology Services, SMS India Pvt Ltd, Virtusa, All E Technologies, Cyfuture, Velocity Software, Jakson, Rakle IT Solutions, Bristlecone, Schneider Electric, Accenture, Deloitte, Nucleus Software, Torrent Gas Pvt Ltd, KEI Industries, Samsung, Symb Technologies Pvt Ltd, Hexaware Technology, Newgen Software Technologies Ltd, Accolite Digital, Horiba, Ericsson, Infosys, Aviotron Aerospace Pvt Ltd, Tech Mahindra Ltd, Torrent Power Limited, Inductus Group, and Acxiom Consulting Private Limited, among many others.

Students selected with higher packages include:

| S. No. | Student's Name | Branch | Company | Package LPA |
|--------|---------------------------|------------|-------------------------------|-------------|
| 1 | Saksham Tiwari | CS | NXTPE Development India | 42.75 |
| 2 | Saumya Chaudhary | CSE | Uber | 38.44 |
| 3 | Aradhya Mittal | CSE | Commvault Systems | 34 |
| 4 | Itisha Singh | CSE DS | CISCO | 24.73 |
| 5 | Bhavya Agrawal | CSE | Walmart | 19.48 |
| 6 | Ayushi Agarwal | CSE DS | AMAZON | 13.2 |
| 7 | Shambhavi Khare | CS | AMAZON | 13.2 |
| 8 | Aman Chaubey | ECE | Talentserve | 12 |
| 9 | Ananya Arora | CSIT | Talentserve | 12 |
| 10 | Avnish | CSE | Talentserve | 12 |
| 11 | Bhanu Pratap Singh | CSIT | Talentserve | 12 |
| 12 | Ritik Gurjar | IT | Talentserve | 12 |
| 13 | Shubham Singh | ECE | Talentserve | 12 |
| 14 | Syed Shamil Ali | EN | Talentserve | 12 |
| 15 | Abhinav Gupta | CSE (AIML) | TCS | 11.5 |
| 16 | Varun Varshney | CSE (AIML) | TCS | 11.5 |
| 17 | Vrinda Sharma | IT | TCS | 11.5 |
| 18 | Prashant Tripathi | CS | TCS | 11.5 |
| 19 | Mrityunjay Narayan Pandey | CSE | Swasthya AI (BeHPvt. Limited) | 11 |
| 20 | Manshi Malik | CSE AIML | Adobe | 10.71 |
| 21 | Sandeep Gupta | CSIT | Park+ | 10.25 |
| 22 | Manish Kumar Yadav | CSE | Bricx | 10 |

Highest Package Achievers



SAKSHAM TIWARI | B.Tech | CS



42.73 LPA



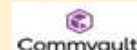
SAUMYA CHAUDHARY | B.Tech | CSE



38.44 LPA



ARADHYAMITTAL | B.Tech | CSE



34 LPA



ITISHA SINGH | B.Tech | CSE DS



24.73 LPA



BHAVYA AGRAWAL | B.Tech | CSE



19.48 LPA



AYUSHI AGARWAL | B.Tech | CSE DS



13.20 LPA



AMAN CHAUBEY | B.Tech | ECE



12 LPA



VRINDA SHARMA | B.TECH | IT



11.50 LPA



MANSHI MALIK | B.Tech | ECE



10.71 LPA

Highest Package Achievers

ACHIEVEMENTS

Smart India Hackathon 2023

A moment of pride for AKGEC as four teams, namely Justice Link ,Swasthya Sahayak , Tech Conquer, and Technovertz comprising 24 students were announced as the winners of Smart India Hackathon-2023 (Software Edition) at Kolkata, Raigarh, Guwahati and Amravati. These 4 winning teams, each team has six participants, were awarded a prize amount of Rs 1 lakh for each problem statement.

For the Smart India Hackathon 2023 grand finale, 18 teams from both the software and hardware editions were selected from AKGEC. This sets a record as the highest number of teams selected from any public or private university/institute in Uttar Pradesh and places AKGEC among the top 10 institutes in India.

The first winner team Swasthya Sahayak has provided AI Based Designing of Assistive portal for Stakeholders in Approval Process that serves a pivotal role in approving and regulating technical education institutions across India. The Second winner team Justice link has provided Tech driven solutions for under trial prisoners to address the challenges faced by undertrial prisoners in India, including legal aid, access to justice, and rehabilitation. The third winning Team Technovertz has provided Virtual Zoo that is focused on Design software and hardware to display holograms of existing and extinct species of flora and fauna to depict complex ecosystems from various parts of the world. The Fourth Winning team Tech Conqueror has provided Cybersecurity enabled smart controller for grid connected microgrid that aims to develop a cyber security-enabled smart controller specifically designed for grid-connected microgrids.



Anveshna 2024

Anveshana, a mentor-mentee program organized by the Agastya International Foundation in collaboration with Synopsis, Noida, aims to foster innovation and learning by encouraging engineering students to mentor young minds.

To prepare students for this event, Mini Anveshana was organized on 23-24 November 2023, at AKGEC. This mini-event, coordinated by the CSE Department in collaboration with Agastya Foundation, saw participation from 50 teams, with 10 projects advancing to the final round. Between November 2023 and January 2024, the final 10 teams mentored school students from Composite



School, Vaishali, providing guidance on their projects and helping them understand the scientific principles behind them. This mentorship phase played a crucial role in preparing the teams for the final presentation.

The grand finale took place on 6th and 7th February 2024, in Delhi, where the teams presented 10 innovative projects alongside participants from various colleges across 7 union territories. The event concluded with three significant achievements for the CSE Department - UweFlush secured 1st position with a cash prize, Swachh - Carbon Credit System claimed 5th position, and Nirikshan: Plant Disease Detect achieved 9th position.



Victory at "The Airborne Archers" Drone Competition

AKGEC's Drone Club soared to victory at The Airborne Archers drone competition, held at RKGIT, Ghaziabad, on 18th October 2023. Our talented student secured the first prize, showcasing exceptional drone piloting skills and engineering ingenuity.



"30Hacks" Hackathon organised by Hitachi x Global Logic

Team Vidyut Kavach participate in the "30Hacks" Hackathon organized by Hitachi x GlobalLogic and emerged as the First Prize winner in the "Sustainable Energy Solutions" category, earning a reward of Rs. 4 Lakh. The event took place on 14-15 March, 2024. The team also received internship offers and the opportunity to showcase their business idea, potentially securing funding in exchange for equity. "Vidyut Kavach," shows a Cyber-Secure Web-Based Energy Management System that employs a multi-layered strategy to ensure security and integrity. This includes utilizing an MQTT broker server for IoT authentication, Network-Based Signature IDPS, Host-Based Heuristic IDPS, and SOAR.



Shankara Global Hackathon at Shankara Group of Institutions, Jaipur

Team Vidyut Kavach won the First Prize for “Most Innovative Idea,” with a winning prize of Rs. 5,100 in “Shankara Global Hackathon” organized by Shankara Group of Institutions, Jaipur. The event was held on 1 and 2 March, 2024, saw Mr. Anuj Kumar, Assistant Professor of CSE, serving as the faculty mentor for Team Vidyut Kavach. The student members of this project include Shashwat Singh (CSE(DS)), Gracy Gupta (CS), Utkarsh Singh (CSE), Rohit Somvanshi (CSE(DS)), Mohd. Anas Khan (CSE), and Shifa Saeed (CSE(DS)).



CII – MAJESTIC SKILL-WILL-LEAD

The student teams from Department of Mechanical Engineering won First Prize and Three Second Prizes in “CII – MAJESTIC SKILL-WILL-LEAD”, an inter-college engagement program promote skills and knowledge in the field of Mechanical Engineering, during 1st – 3rd November 2023, held at KIET Ghaziabad, IMS Ghaziabad, GLBITM Greater Noida, Sharda University Greater Noida and Ajay Kumar Garg Engineering College (AKGEC) Ghaziabad.



India Skills Competition 2024 Participation

India Skills is the country's biggest skill competition implemented by National Skill Development Corporation (NSDC). India Skills Competition is designed to demonstrate the highest standards of skilling and offers a platform for young people to showcase their talent at the national level which then makes them eligible for participation in the World Skills competition held at a global stage in a different country every two years.

On 6th and 7th March 2024, our two student ambassadors participated in the India Skills Competition 2024 in the Robot System Integration domain, winning the Congratulation Prize for their exceptional performance.



TOUR DE FORCE

AKTU SPORTS FEST 2023-24

AKGEC participated with full enthusiasm in the Zonal Sports Meet organized by Dr. APJ Abdul Kalam Technical University at IMS on 3–4 November 2023. Our students displayed outstanding athleticism, securing 9 gold, 8 silver, and 9 bronze medals.

The Zonal gold medallists advanced to the State-Level Sports Fest, organized by Dr. APJ Abdul Kalam Technical University at SRIMT, Lucknow, on 1–2 December 2023. The AKGEC teams overcame all challenges with zeal and determination, winning 7 gold and 1 silver medal.

AKGEC also won the highest number of gold medals in the AKTU State Sports Fest 2023-24 under the Ghaziabad & Modinagar Zone. Notably, the Ghaziabad and Modinagar Zone has been the champion of the AKTU State Sports Fest for the past nine years, with AKGEC consistently delivering exceptional performances.

| EVENT NAME | NAME OF STUDENT(S) | BRANCH/YEAR | ZONALS | STATE |
|--------------------|--------------------------|-------------|--------|-------|
| BASKETBALL (GIRLS) | Nandini Pundir | ECE/4TH | GOLD | GOLD |
| | Anshika Sharma | CSIT/4TH | | |
| | Ananya Arora | CSIT/4TH | | |
| | Srishti Gupta | CSIT/3RD | | |
| | Adviti Gangwar | IT/3RD | | |
| | Avika Singh | ECE/3RD | | |
| | Vedanshi Agarwal | IT/2ND | | |
| | Shreya Parashar | CS/2ND | | |
| | Shreya Vidyarthi | ECE/2ND | | |
| | Shrishti Agarwal | ECE/2ND | | |
| VOLLEYBALL | Yashika Saxena | IT/4TH | GOLD | - |
| | Eshakushwaha | IT/4TH | | |
| | Anushreekeshari | IT/3RD | | |
| | Shreeya Prasad | CSE/3RD | | |
| | PritiKumari | ECE/3RD | | |
| | Aradhyasingh | ECE/3RD | | |
| | Aditi shahi | ECE/2ND | | |
| | Nimishasoni | IT/2ND | | |
| | Divyanshipriya | CS/2ND | | |
| | Shraddha Pandey | AIML/2ND | | |
| KHO-KHO (BOYS) | Awais Bhardwaj | EN/4TH | SILVER | - |
| | Shrey Sharma | ECE/4TH | | |
| | Harsh Kumar | CSE/4TH | | |
| | Suraj Patel | EN/4TH | | |
| | KetanGoyal | ME/3RD | | |
| | Pratham Yadav | ECE/3RD | | |
| | Akanksh Chaudhary | ECE/3RD | | |
| | Toshendra Kumar Bhardwaj | EN/3RD | | |
| | Adarsh Singh | ECE/3RD | | |
| | Sarvesh Kumar Yadav | CS/2ND | | |
| | Utkarsh Tiwari | CS/2ND | | |

TOUR DE FORCE

| EVENT NAME | NAME | BRANCH/YEAR | ZONALS | STATE |
|----------------------|---|---|--------|--------|
| KHO-KHO (GIRLS) | Tanya Dubey Kirti Jalota KatyayniDhiren Anshika Agarwal Geeta Chahar SimranDobal Sneha Archi Rastogi Rudrakshi Choudhary Snehabajaj Shivangi Kashish Yadav | ECE/4TH ECE/3RD CSE/3RD ECE/3RD CSIT/2ND ECE/2ND CS/2ND CSIT/2ND AIML/2ND CS/1ST IT/1ST CS/1ST | SILVER | - |
| TABLE TENNIS (BOYS) | Nav Khanna Kanishk Upadhyay Jay Singh SankalpJha | ECE/3RD EN/3RD CSE/3RD CS&IT/2ND | GOLD | GOLD |
| TABLE TENNIS (GIRLS) | VidhiTripathi Nimisha Soni Vanshika Goyal Vanshika Pandey | ECE/4TH IT/2ND CSE (AI&ML)/2ND CSIT/1ST | | |
| KABADDI (GIRLS) | Anushka Srivastava Priti Kumari Anushree Keshari Annu Shakya Rishika Kumari Singh Akanksha Shukla Alaina Priyanshi Nayak Kashish Singh Shruti Bindal | ECE/4TH ECE/3RD IT/3RD CSE/2ND CSE (AI&ML)/1ST CSE (AI&ML)/1ST CSE (AI&ML)/1ST CSE/1ST CSE (AI&ML)/1ST CSE (HINDI)/1ST | SILVER | - |
| CHESS (BOYS) | Aniket Agarwal Shobhit Singh | CSE(DS)/3RD IT/2ND | BRONZE | - |
| CHESS (GIRLS) | Vanshika Tyagi Saargi Singh | CS/3RD CSE/1ST | SILVER | - |
| 4X100M RELAY (GIRLS) | VidhiTripathi Kirti Jalota Aishwarya Ghosh Avika Singh | ECE/4TH ECE/3RD ECE/1ST ECE/3RD | GOLD | GOLD |
| 4X100M RELAY (BOYS) | Advay Rawat Ansh Bhalotia Amarnath Ojha Kshitij Sharma | CSE/3RD IT/1ST IT/4TH IT/3RD | BRONZE | - |
| JAVELIN (GIRLS) | Vidhi Tripathi | ECE/4TH | GOLD | SILVER |
| HIGH JUMP (GIRLS) | Ekta Kaushik | IT/3RD | GOLD | GOLD |
| LONG JUMP (BOYS) | Kshitij Sharma | IT/3RD | SILVER | - |
| SHOTPUT (BOYS) | Safal Yadav | IT/2ND | BRONZE | - |

AKTU SPORTS FEST

| EVENT NAME | NAME | BRANCH/YEAR | ZONALS | STATE |
|-----------------|-----------------|-------------|--------|-------|
| SHOTPUT (GIRLS) | VidhiTripathi | ECE/4TH | BRONZE | - |
| 200M (GIRLS) | Kirti Jalota | ECE/3RD | SILVER | - |
| | Aishwarya Ghosh | ECE/1ST | BRONZE | - |



TOUR DE FORCE

MIRAZ'24 (IIT Mandi) – Rann-Neeti'24 Sports Event

MIRAZ'24 (Rann-Neeti'24), a premier sports event, was held at the Indian Institute of Technology (IIT) Mandi from 12th to 14th April 2024. The event brought together talented athletes from institutes across the country to compete in various sports disciplines, including volleyball. AKGEC achieved Second Position in the Overall Championship, demonstrating outstanding performance and teamwork. Additionally, our athletes secured First Position in Overall Athletics, showcasing remarkable skill, determination, and sportsmanship. Their stellar achievements at MIRAZ'24 have brought immense pride to the institution and continue to inspire future generations of athletes.

The Medal Tally is as follows:

| S. No. | Sports | Specification | Remark |
|--------|----------------------|---------------|--------------|
| 1. | Athletics (Boys) | 100m | Gold |
| | | 200m | Gold |
| | | 400m | Gold |
| | | 1500m | Bronze |
| | | 4X100m Relay | Gold |
| | | 4X400m Relay | Silver |
| | | 5Km Run | Bronze |
| | | Shotput | Gold, Bronze |
| | | Discuss Throw | Gold, Silver |
| | | Long Jump | Gold |
| | | Javelin | Gold, Bronze |
| | | Triple Jump | Bronze |
| 2. | Athletics (Boys) | 100m | Gold |
| | | 200m | Gold |
| | | 400m | Gold, Silver |
| | | 800m | Gold |
| | | 4X100m Relay | Gold, Silver |
| | | Shotput | Gold, Bronze |
| | | Discuss Throw | Gold, Bronze |
| | | Long Jump | Bronze |
| | | Javelin | Gold, Silver |
| | | | |
| 3. | Volleyball (Boys) | | Silver |
| 4. | Table Tennis (Boys) | | Silver |
| 5. | Table Tennis (Girls) | | Gold |



OTHER ACHIEVEMENTS IN SPORTS DURING 2023-24

| Name of the Event | Details | Dates |
|---|---|---------------------------|
| MST'24 - Malviya National Institute of Technology, Jaipur | Secured Gold Medal in Volleyball | 16th - 18th February 2024 |
| Rann'24 - KIET, Ghaziabad | Secured 6 Gold Medals, 5 Silver Medals, and 1 Bronze Medal. | 16th - 18th February 2024 |
| Sportikon'24 - Bennett University, Noida | Secured Silver Medal in Kabaddi | 22nd - 25th February 2024 |

ANTARAGNI '23 – IIT Kanpur

The prestigious cultural extravaganza, Antaragni '23, was hosted by IIT Kanpur from 20-22 October 2023, featuring electrifying performances and a competitive spirit from participants across the country.

AKGEC's V-Verve Society proudly represented the college and secured the First Runner-Up position. The team delivered a mesmerizing performance, showcasing an enchanting blend of style, poise and innovation that captivated the audience. Their display of artistry and team work perfectly embodied the spirit of excellence that Antaragni celebrates each year.



WAVES - BITS GOA

Team Taal made a remarkable impact at Waves, the annual cultural fest of BITS Goa, held from 27-29 October 2023. As a festival renowned for celebrating art, talent, skill and intellectual prowess, Waves brings together the best performers from across the country. Taal secured a place among the Top 10 Finalists, highlighting their dedication to dance and their ability to compete at the highest level in an arena of outstanding talent.



TOUR DE FORCE

COLLEGE AWARDS AND RECOGNITION

Apart from the laurels earned by students in various technical and non-technical events, the college had the honor of being awarded and recognized at various levels during the last year.

NI LabVIEW Academy: School of Excellence Award

AKGEC's NI LabVIEW Academy received the "School of Excellence" award at the VVDN-NI Academic Conclave 2024, recognizing its contributions to engineering education in Sensing and Data Acquisition, 5G/6G Research, and Electric Vehicle Testing.



Featuring of Dr. R. K. Agarwal's Name in 100 Great IITians: Dedicated to the Service of the Nation

The book 100 Great IITians: Dedicated to the Service of the Nation, authored by Commander V. K. Jately, has been published. It highlights the journeys and contributions of distinguished IIT alumni, including Nandan Nilekani, Narayan Murthy, former Defence Minister & CM of Goa Manohar Parrikar, Vinayak Deshpande, and many others who have served their motherland, India, rather than being drawn by the allure of the Western world. This book serves as an inspiration for the youth of India, motivating them to contribute to the vision of **विकसितभारत** (Viksit Bharat) and **विश्वगुरु** (Vishwaguru). Dr. R. K. Agarwal, Director General, AKGEC, is featured among these esteemed personalities in this remarkable compilation.



HRD Congress Awards- 2024

AKGEC was honored with the Skill Development Leadership Award 2024 by the World HRD Congress for its outstanding efforts in skilling its stakeholders, including the nearby community. The college offers skill development programs for 10th/12th pass-outs, ITI pass-outs, diploma holders, undergraduates, graduates, rural youth, and underprivileged individuals from nearby villages.

HRD Congress Awards- 2023

AKGEC received the Skill Development Leadership Award 2023 from the World HRD Congress for its strong commitment to industry-focused training. This recognition underscores the institution's dedication to equipping students with advanced skills, fostering industry partnerships, and promoting innovation in technical education.



VALUE EDUCATION CELL ACTIVITIES

The Value Education (VE) Cell at AKGEC remains dedicated to fostering holistic development and ethical leadership through impactful Faculty Development Programs (FDPs) and Skill Development Programs (SDPs). These initiatives aim to promote Universal Human Values (UHV) and holistic learning. The details of the programs conducted are as follows:

1. FDPs and Workshops on Universal Human Values (UHV):

| Dates | Title & Resource Persons | Summary |
|-----------------------|---|---|
| 19 - 26 August 2023 | 8-Day Face-to-Face UHV-IV FDP on 'Vision for Humane Society' conducted by AKTU, organized by AKGEC. Resource Persons: Dr. Gopal Babu, Associate Professor (VE Cell) Dr. Himanshu Rai Local Program Coordinator: Mr. B. N. Pandey | 21 Faculty Members (FMs) from various colleges affiliated with AKTU and AICTE attended the program. |
| 12 - 16 December 2023 | AICTE-sponsored UHV-II FDP for University Coordinators, Regional Coordinators, Co-coordinators, LPCs, and volunteers from Regional Nodal Centers. Resource Persons: Mr. Moti Chand Yadav Dr. Upasana Mishra (CSE) Local Program Coordinator: Mr. R. P. Singh (ECE, AKGEC) | A total of 29 participants attended the workshop. |
| 01 - 03 January 2024 | Three-day AICTE-approved Introductory Workshop on UHV for faculty members. Resource Person: Mr. R. P. Singh Co-facilitator: Dr. Gopal Babu Local Program Coordinator: Dr. Parul Verma (ASH, AKGEC) | A total of 37 participants, including 2 external participants, attended the workshop. |
| 12 - 16 February 2024 | Five-day AICTE-approved Introductory Workshop on UHV for faculty members. Resource Person: Dr. Parul Verma Co-facilitator: Dr. Gopal Babu Local Program Coordinator: Dr. Jitendra Chhabra (ECE, AKGEC) | A total of 38 participants, including 1 external participant, attended the workshop. |



TOUR DE FORCE

Special Workshop on Natural Healing:

| Dates | Title & Resource Persons | Summary |
|----------------------|---|--|
| 27 - 28 January 2024 | Level-1 Reiki Method of Natural Healing Resource Person: Ms. Mriti Rajput (Reiki Grand Master) Coordinator: Mr. Akhilesh Verma | 22 participants successfully completed the workshop. |

These initiatives reflect AKGEC's commitment to fostering value-based education and holistic well-being among faculty members and students.

Guest Lectures Organized Under VE Cell

The Value Education (VE) Cell at AKGEC organized a series of insightful guest lectures featuring distinguished speakers, aimed at promoting mental wellness, ethical leadership, societal transformation, and environmental conservation. The details of the sessions are as follows:

| Dates | Topic | Guest Speaker | Brief Summary |
|-----------------|---|---|--|
| 5 October 2023 | Empowering Mental Wellness Through Essential Life Skills – A program conducted by The Art of Living | | Approximately 100 students attended the event. |
| 1 December 2023 | Leadership Qualities for Societal Transformation from Bhagavad Gita | Prabhu Mohan Das, Principal, The Gurukul School | All Deans, HoDs, Professors, selected faculty members, and 150 students attended the event. |
| 6 March 2024 | Woman – The Foundation of Society | BK Sangeeta Didi | All Deans, HoDs, Professors, selected faculty members, and 150 students attended the event. |
| 22 April 2024 | Guest Lecture by "The Green Man of India," Shri Vijay Pal Baghel Ji and inauguration of the global event "एकपेड़धरतीकेनाम" on International Earth Day | Shri Vijay Pal Baghel | The Director General, all Deans, HoDs, Section In-Charges, faculty members, and 250 students attended the event. |
| 25 April 2024 | "Make a Nest for Sparrow's Rest" – A Step Towards Conserving Biodiversity and a Nest-Making Workshop on International Earth Day | Shri Rakesh Khatri Ji | The Director General, all Deans, HoDs, Section In-Charges, faculty members, and 250 students attended the event. |



TOUR DE FORCE

3. Activities Held for Students

The Value Education (VE) Cell at AKGEC organized various engaging and insightful events for students, focusing on self-exploration, ethical leadership, environmental consciousness, and holistic learning. The details of these activities are as follows:

| Dates | Event | Remarks |
|---------------------|--|--|
| 28 Oct – 4 Nov 2023 | Thirty-six-hour student workshop on "Conscious Engineering" | VE cell conducted an offline workshop on weekends from 9:00 AM – 6:00 PM and on weekdays from 4:30 PM – 6:30 PM. A total of 39 students successfully completed the program. Resource Persons: Dr. Gopal Babu, Coordinator, VE Cell Dr. ParulVerma ASH Mr. B. N. Pandey, CSE Mr. R. P. Singh, ECE |
| 30 Oct – 3 Nov 2023 | Five-day student workshop on "Understanding the Science of Relationships through Self-Exploration" | VE cell conducted a five day student workshop in three parallel batches during evening hours from 4:30 – 6:30 PM. A total of 82 students successfully completed the workshop with 100% attendance. Resource Persons: Mr. B. N. Pandey, CSE Mr. R. P. Singh, ECE Dr. Jitendra Chhabra Dr. ParulVerma Dr. AkhileshVerma |
| 13 Dec 2023 | Drishti – A Reflection-Based Event | VE cell conducted an event Dristi for students. A short video was shown to students during the event to evaluate their perceptions, followed by a discussion from a holistic perspective. Approximately 80 students participated in the event. |
| 21 – 22 Dec 2023 | Two parallel UHV sessions for DDU-GKY students | Around 50 students attended these sessions focused on Universal Human Values. Resource Persons: Mr. B. N. Pandey, CSE Dr. Jitendra Chhabra, ECE |
| 22 April 2024 | Essay Writing Competition on "Climate Change and Pollution" (International Earth Day) | VE cell conducted an essay writing competition on international Earth day. The competition saw an enthusiastic turnout as 96 students from various branches participated in the competition and reflected their deep concern for environmental sustainability. |
| 23 April 2024 | Green Shark Tank – An Eco-Friendly Pitching Event | VE cell conducted an Eco friendly Pitching Event. A total of 12 teams, each team having 3 members, presented well-researched, nature-conscious project ideas. |

TOUR DE FORCE

| Dates | Event | Remarks |
|------------------|---|--|
| 23 April 2024 | Green Film Festival Event | VE cell conducted an event on Green Film Festival. The event included a movie screening, a quiz and a discussion session focused on environmental awareness. Approximately 50 students had participated in the event. |
| 25 April 2024 | Planet Puzzle Paradox – Environmental Challenge Event | VE cell conducted an event on Environmental challenge Event. The event witnessed 72 teams with each having 3 members. These teams participated in a series of thought-provoking and engaging competitions and activities. |
| 8 – 15 June 2024 | Thirty-six-hour student workshop on "Conscious Engineering" | <p>VE cell conducted a workshop for students on weekends (9:00 AM – 6:00 PM) and weekdays (4:30 PM – 6:30 PM). The workshop was successfully completed by 41 students.</p> <p>Resource Persons: Dr. Gopal Babu, Coordinator, VE Cell Dr. Manishi Mishra, ASH Dr. Parul Verma, ASH Mr. B. N. Pandey, CSE Mr. R. P. Singh, ECE</p> |



TOUR DE FORCE

4. Extension Activities

The Value Education (VE) Cell at AKGEC actively extends its initiatives beyond the campus, fostering value-based education and self-exploration in diverse communities. The following extension activities were conducted:

| Dates | Title & Resource Persons | Brief Summary |
|---------------------|---|--|
| 30 Dec- 13 Jan 2024 | UHV Workshop for Female Inmates at Dasna Jail Resource Persons: Dr. Parul Verma Dr. Upasana Mishra | VE cell conducted a workshop for female inmates at Dasna Jail. The workshop began with 45 inmates attending most sessions successfully. The program ran for 15 days, with 2-hour sessions each day, focusing on Universal Human Values (UHV) and self-exploration. |
| 14- 16 March 2024 | Three-Day Family Workshop on "Understanding Relationships through Self-Exploration" Resource Person: Dr. Gopal Babu Co-facilitator: Dr. Parul Verma Program Coordinator: Mr. B. N. Pandey | VE cell conducted a three day family workshop. A total of 29 family members from 19 families participated in the interactive workshop aimed at strengthening relationships through self-awareness and understanding. |
| 20 - 22 May 2024 | Three-Day Teacher Orientation Program (TOP) on "Vision for Holistic Value-Based Education" (Realizing NEP-2020 Aspirations) Resource Person: Dr. Gopal Babu Co-facilitator: Dr. Parul Verma Program Coordinator: Mr. B. N. Pandey | A three day teacher orientation program was conducted by VE cell. A total of 54 participants, including Principals, Advisors, Academic Coordinators, PGTs, TGTs, and Counselors from 12 schools across Rajasthan, Haryana, and Uttar Pradesh participated in the program. All Participants engaged enthusiastically in discussions on value-based education aligned with NEP-2020. |
| 22 - 29 June 2024 | Eight-Day Teacher Orientation Program (TOP) on "Vision for Holistic Value-Based Education" (Realizing NEP-2020 Aspirations) | An eight day teacher orientation program was conducted by VE cell. A total of 39 participants from KGDS Saraswati Vidya Mandir and Amrapali Global School attended this Faculty Development Program (FDP), exploring pedagogical approaches for holistic education. |



FACULTY DEVELOPMENT PROGRAMS

FDP on AI-ML and Data Science for Industry 4.0



The FDP organized by CSE department from 21st to 25th August 2023, was aimed to provide the participants with in-depth knowledge of Artificial Intelligence, Machine Learning, and Data Science techniques for Industry 4.0. The program was designed to include key tools like Python libraries, statistical methods and advanced AI-ML models emphasizing on practical applications to gain hands-on experience. The Sessions were designed to bridge the gap between theoretical knowledge and real-world industry needs. The FDP was attended by 31 participants.

Resource Persons:

- **Dr. Amit Doegar:** Associate Professor, NITTTR Chandigarh.
- **Dr. Suresh Sharma:** Professor, Panjab University, Chandigarh.
- **Dr. Gaurav Kumar:** Managing Director, Magma Research and Consultancy Pvt. Ltd., Ambala.
- **Dr. Padmavati:** Professor, Punjab Engineering College (Deemed to be University), Chandigarh.
- **Dr. Akashdeep:** Professor, UIET, Panjab University, Chandigarh.
- **Dr. Shweta Sharma:** Professor, Panjab University, Chandigarh.
- **Dr. Sarbjeet Singh:** Professor, Panjab University, Chandigarh.



FDP on Quality Control of Concrete

The ICT-based Faculty Development Program was organized by the Civil Engineering Department from 9th to 14th October 2023 in collaboration with NITTTR Chandigarh. The FDP was attended by 50 participants. It was aimed to focus on improving the understanding of participants on quality control in cement and concrete. The program included the combined expert lectures with video sessions on advanced lab testing techniques. The Participants gained insights into modern quality assurance methods for durable and reliable construction materials.



Resource Persons:

- **Dr. Hemant Sood:** Head, Civil Engineering Department, NITTTR Chandigarh.
- **Dr. Rajesh Kumar:** Head, Civil Engineering Department, CCET Chandigarh.
- **Mr. Jasvir Singh Rattan:** Industry Expert.

FDP on Innovation Management & Intellectual Property Rights

The FDP was organized by the ECE Department from 4th to 8th December 2023 and was aimed to equip faculty members with a comprehensive understanding of Intellectual Property Rights (IPR) and their importance in academia and industry. The FDP was designed to explore design thinking, patent searching and the strategic use of government schemes to promote innovation. The program highlighted the significance of safeguarding intellectual creations through patents, trademarks and copyrights. 28 faculty members from the department attended the FDP.

Resource Persons:

- **Dr. Niraj Bala:** Professor and Head, EDIC Dept., NITTTR Chandigarh.
- **Er. Amardev Singh:** Assistant Professor, EDIC Dept., NITTTR Chandigarh.
- **Ms. Meenu Bala Dhiman:** Assistant Director, MSME Development & Facilitation Office, Karnal.
- **Dr. Divya Kaushik:** Scientist, Punjab State Council for Science & Technology.
- **Sh. Ajay Godara:** Founder & Director, Enovation Lab, Chandigarh.
- **Sh. Aneesh Longia:** Founder, AUTUA, Chandigarh.
- **Sh. Varun Sharma:** Associate Partner, LexOrbis, New Delhi.



FDP on Complex Networks Analysis using Python

The one-week FDP was organized by the CSE Department in collaboration with NITTTR Chandigarh from 15th to 19th January 2024. The program was aimed to introduce the participants to graph theory and biological network analysis. It included hands-on Python-based implementations to enhance practical skills. The program was attended by 62 participants. The FDP was designed to provide in-depth insights into complex networks, their real-world applications, tools and techniques to analyse and model complex networks effectively in diverse fields.



Resource Persons:

- **Er. Shano Solanki:** Associate Professor, NITTTR Chandigarh.
- **Dr. Gaurav Kumar:** Managing Director, Magma Research and Consultancy Services, Ambala.
- **Dr. Mahipal Jadeja:** Assistant Professor, MNIT Jaipur.
- **Dr. Bhawna Saxena:** Assistant Professor, IIIT Noida

FDP on Cloud Computing: A Hands-on Approach with AWS Cloud

The Faculty Development Program, sponsored by AICTE was organized by CSE department from 29th January to 2nd February 2024. The FDP was aimed to provide hands-on experience with AWS Cloud technologies, covering key services like EC2, Identity and Access Management, and advanced deployment techniques to the participants. The program had also focused on practical skills for implementing cloud-based solutions and automation in real-world scenarios. The program was attended by 74 participants, including 19 from other colleges.



Resource Persons:

- **Dr. Mala Kalra:** Assistant Professor, NITTTR Chandigarh.
- **Mr. Neeraj Garg:** General Manager, HCL Technologies, Noida.
- **Mr. Vipin Gupta:** CEO, U-Net Solutions, Moga.

FDP on Green Manufacturing

The ICT-based Faculty Development Program was organized by the Mechanical Engineering Department in collaboration with NITTTR Chandigarh from 29th January to 2nd February 2024. The FDP was aimed to focus on sustainable manufacturing practices and innovative approaches to eco-friendly production. 49 Participants from renowned engineering institutes and 91 from remote centres had gained insights into cutting-edge green technologies and their integration into industrial processes.



Key Speakers:

- **Dr. Pallab Biswas:** Head, Mechanical Engineering Department.
- **Dr. Suman Gothwal:** Local Coordinator, AKGEC.
- **Mr. H.S. Chaurasiya:** Local Coordinator, AKGEC.

FDP on Additive Manufacturing

The FDP was organized at FABLAB-AKGEC from 5th to 9th February 2024. The program was supported by the National Centre for Additive Manufacturing (NCAM) and has provided 35 participants from Tamil Nadu, Punjab, Haryana, and Rajasthan with hands-on training using state-of-the-art 3D printers and advanced technology at FABLAB-AKGEC. The program was aimed to encourage multidisciplinary collaboration and included the signing of a significant Memorandum of Understanding (MoU) between AKGEC and the Additive Manufacturing Society of India (AMSI) to promote the Additive Manufacturing ecosystem in India.



Participants: Eminent personalities were present during the inaugural program:

- **Dr. R.K. Agarwal:** Director General, AKGEC.
- **Dr. Aashish Chaudhry:** Managing Director, Aakash Healthcare.
- **Dr. Mukesh Agarwala:** Managing Director, 3DPD Bangalore.
- **Dr. L. Jyothish Kumar:** Founder President, Additive Manufacturing Society of India (AMSI).
- **Prof. Ashiv Shah:** Expert in Manufacturing Technologies

FDP on Mastering the Core Elements of Research

A three-day faculty development program on was organized by the Research and Development cell of AKGEC from 22th to 24th February 2024. The FDP was focussed to equip participants with practical insights and methodologies necessary for conducting independent research, writing comprehensive research proposals and effectively communicating their findings in national and international forums. The program covers literature survey, writing and publishing research results. A total of 67 faculty members participated in the FDP. The FDP was coordinated by Dr. Namrata Gangil, Associate Dean R&D, Dr. Ruchi Gupta, Professor of IT Department, Dr. Saroj Bala, Associate Professor of MCA Department and Dr. Karunesh Srivastava, Associate Professor of ECE Department.



Key Guests and Resource Persons for the FDP:

- **Dr. J. Ramkumar:** Professor, Department of Mechanical Engineering & Design from IIT Kanpur as the guest of honour of the inaugural session
- **Dr. B. K. Panigrahi:** Professor, Department of Electrical Engineering from IIT Delhi as guest of honour of the inaugural session

- **Dr. Harish Kumar:** Associate Professor, Department of Mechanical Engineering, NIT Delhi.
- **Dr. R.P. Maheshwari:** Professor, Department of Electrical Engineering, IIT Roorkee
- **Dr. Ashish Srivastava:** Skill Professor of Shri Vishwakarma Skill University, Gurugram
- **Ms. Kamiya Khatter:** Senior Editor, Applied Sciences and Engineering, Springer
- **Prof. Helmut Behler:** Mannheim University of Applied Sciences, Senior Expert Service, Germany
- **Dr. Mohit Bansal:** Professor & HOD, Department of Electrical & Electronics Engineering, G.L. Bajaj Institute of Technology & Management, Noida
- **Dr. Sachin Maheshwari:** Professor, Department of Mechanical Engineering, NSUT, Delhi.
- **Dr. Rahul Sharma:** Professor & Head, Department of Information & Technology, AKGEC.
- **Dr. Ranjeet Bairwa:** Scientist E, DSIR

FDP on Energy Storage Materials and Technology

The Faculty Development Program was conducted by Applied Science and Humanities Department from 6th to 10th May 2024. The FDP was aimed to provide an in-depth exploration of advanced techniques for the synthesis and characterization of bulk and thin-film energy storage materials. The program was attended by 25 participants had covered state-of-the-art methods to enhance the performance and efficiency of energy storage materials particularly used in battery technology and renewable energy systems.

Resource Persons:

- **Dr. Ashok Kumar:** Associate Professor, NITTTR Chandigarh.
- **Dr. Pankaj Sharma:** Professor, NITTTR Chandigarh.
- **Dr. Tharamani CN:** Professor, IIT Ropar.
- **Mr. Anil Sharma:** Director, Impulse Technology, New Delhi.
- **Dr. C. R. Mariappan:** Associate Professor, Pondicherry University.
- **Dr. Hitesh Sharma:** Professor, IKGPTU Kapurthala.
- **Dr. Anurag Gaur:** Professor, NSUT Delhi.



FDP on Industrial Robotics

The comprehensive five-day FDP was organized by IRTC, CORE AKGEC from 6th to 11th May 2024. The program was focused on the principles, operations and programming of KUKA KR-16 & KR-6 Industrial Robots using KRC2-KRC4 Compact Controllers. 13 faculty members from various engineering departments attended the FDP. The participants gained practical experience through hands-on sessions with these robots. The program fostered collaboration across multiple disciplines and was designed to enhance and expand the teaching proficiency and research capabilities of various participants in the dynamic field of industrial robotics.

Resource Persons:

- **Mr. Gaurav Srivastava:** Scientific Officer, AKGEC Skills
- **Dr. Manoj Yadav :** Scientific Officer, AKGEC Skills
- **Ms. Gagan preet Kaur:** Scientific Officer, AKGEC Skills



FDP on Unleash the New Age Educator in You

A three-Days intensive workshop on "Unleash the New Age Educator in You" was organized by AKGEC from 6-8 June 2024, focusing on cutting-edge teaching methodologies, innovative technology integration, and strategies for fostering creativity and critical thinking. The workshop was delivered by Mr. Varun Chamadiya, Founder & Chief Educator at PROACTIVE 'I' An Education & Innovation Company. The workshop was aimed to empower the educators to adapt to the evolving landscape of education and inspire students effectively. Specialized sessions were also conducted to focus on gamification and project-based learning. Practical sessions were included to provide guidance on developing personalized teaching strategies tailored to individual student needs. A total of 53 participants attended the workshop. The program was coordinated by Dr. Himani Garg, Professor, ECE Department.



Resource Persons:

- **Mr. Varun Chamadiya**, Founder & Chief Educator of PROACTIVE I, Founder & Chief Educator of PROACTIVE I

FDP on Unlocking the Fundamentals of Research Excellence

The three-day Faculty Development Program was organized by IT Department from 8-10 July 2024. The FDP was aimed to equip the participants with advanced research methodologies and tools essential for high-quality academic and industrial research. This FDP had provided insights into contemporary techniques, promoting innovative and analytical approaches to research. The sessions were designed to inspire critical thinking and encourage the adoption of best practices.

Key Speakers:

- **Prof. K. K. Biswas**: Former Professor, IIT Delhi.
- **Dr. Neeraj Kumar**: Professor, Thapar Institute of Engineering & Technology, Punjab.
- **Dr. Dolly Sharma**: Associate Professor & Head, Shiv Nadar Institute of Eminence, Greater Noida.
- **Dr. Deepti Mehrotra**: Head Accreditation, Amity University, Noida.
- **Dr. Thippa Reddy**: Chief Engineer, Zhongda Group, China.
- **Dr. Akansha Singh**: Professor, Bennett University, Greater Noida.
- **Dr. Krishna Kant Singh**: Director, Delhi Technical Campus, Greater Noida.
- **Dr. Mohammad Shabaz**: Assistant Professor, Model Institute of Engineering & Technology, J&K.
- **Dr. Monika Jain**: Dean R&D, AKGEC, Ghaziabad.



FDP on Unleash the New Age Educator in You

A three-day workshop on “Unleash the New Age Educator in You” was organized by AKGEC on 15-19 July 2024. The workshop was guided by Mr. Varun Chamadiya, Founder & Chief Educator of PROACTIVE I. The workshop was focused on innovative teaching methodologies, technology integration and strategies to nurture creativity and critical thinking among educators. The workshop saw active participation from 63 faculty members across various departments. Various follow-up sessions and online resources were made available for further supporting the ongoing learning and implementation of new strategies. The workshop was organized by Dr. Himani Garg, Professor, ECE department.



FDP on OpenCV for Image and Video Processing Applications



The five-day Faculty Development Program was organized by the IT Department in collaboration with NITTTR Chandigarh from 22-26 July 2024. The program provided comprehensive training in OpenCV for cutting-edge applications. 30 faculty members attended the program. The participants gained hands-on experience with advanced techniques, including real-time face detection, object recognition using deep learning algorithms, and video shot detection. The program offered a balanced blend of theoretical knowledge and practical implementation to enhance technical proficiency. The FDP was conducted by Dr. Amit Doegar: Associate Professor, Department of Computer Science and Engineering, NITTTR Chandigarh.

WIP CONFERENCE

A “Women in Power” conference was organized by the Electrical & Electronics Engineering Department on the 5th and 6th of April 2024, with the theme “Catalyzing Change: Women Empowering the Next Wave.” The conference theme was aligned with this year’s Women’s Day campaign, “Inspire Inclusion,” and the official UN observance theme, “Invest in Women: Accelerate Progress.” The college hosted eminent women personalities from various sectors of science, engineering, and technology on April 6th. These distinguished speakers discussed the issues and challenges women face in participating in science, engineering, and technology fields, sharing their personal experiences and the changes in inclusivity within STEM over the years.



A panel discussion was also conducted, featuring the following eminent panelists from diverse fields of STEM:

- **Dr. Navita Gupta**, Director of Satyakiran School of NDT Delhi
- **Mrs. Debjani Bhatia**, Renewable Energy Professional and former GM of IREDA
- **Dr. Shivani Sharma**, Principal Consultant at Hitachi Energy
- **Dr. Rachna Garg**, Professor at DTU
- **Dr. Sweta Tripathi**, IEEE WIE Affinity Group Revitalization Committee Member

The panel discussion covered key points about the challenges faced by the female workforce in science, technology, and engineering fields and ways to overcome them. It also highlighted the essential role of male counterparts in supporting inclusivity and promoting workforce diversity.

Key Guests for the Conference

- **Mrs. Neerja Mathur**, former Chairperson of the Central Electricity Authority, was the inaugural chief guest.
- **Prof. Perna Gaur**, Director of NSUT and Chair Elect 2024 IEEE India Council, was the inaugural guest of honour.
- **Mrs. Ammi R Toppo**, Chief Engineer at the Central Electricity Authority, was also an inaugural guest of honour.
- **Dr. Livleen K Kahlon**, Senior Fellow and Associate Director, Environment Education and Awareness at TERI, served as the keynote speaker.
- **Dr. Rashmi Agarwal**, Associate Professor at YMCA Faridabad, also delivered a keynote address.



RESEARCH AND DEVELOPMENT

Research Papers Published by the Faculty Members

The college encourages its faculty members and students to undertake high quality research in newly emerging areas of engineering, technology, science and humanities. In 2023/24, the faculty members at AKGEC have published the following list of research papers in refereed journals and conferences at national and international level:

- Gaurav Saxena, Utkarsh Gupta, Shashikant Shukla, "High Isolation Quad-Element SWB/MIMO Antenna with Dual Band-Notch for ISM and WLAN Band Wireless Applications," *Advanced Electromagnetics*, vol. 12, no. 3, pp. 54–60, 2023.
- Shobha Sharma, Tarun Verma, "Discrete combined fractional Fourier transform and its application to image enhancement," *Multimedia Tools and Applications*, vol. 83, no. 10, pp. 29881–29896, 2024.
- Anshika Goel, Amit Garg, "Despeckling of synthetic aperture radar images using Shearlet Transform," *Digital Image Processing & Computer Graphics*, vol. 21, no. 3, pp. 245–257, 2023.
- Nilufar Yasmin, R. Gupta, "Modified Lightweight GIFT Cipher for Security Enhancement in Resource-Constrained IoT Devices," *International Journal of Information Technology*, vol. 16, no. 4, pp. 2647–2659, 2024.
- Nilufar Yasmin, R. Gupta, "Modified Lightweight Cryptography Scheme and Its Applications in IoT Environment," *International Journal of Information Technology*, vol. 15, no. 8, pp. 4403–4414, 2023.
- Nilufar Yasmin, Richa Gupta, "Ultra-Lightweight Encryption for STL Files in IoT-Based 3D Printing," *International Journal of Safety and Security Engineering*, vol. 13, no. 4, 2023.
- Tukur Gupta, Gaurav Verma, Shamim Akhter, "Performance Analysis of a Generic Modular Adder via RTL Programming and IP Modeling Techniques on FPGA," *Ingénierie des Systèmes d'Information*, vol. 28, no. 5, 2023.
- Gaurav Saxena, Maksud Alam, Manidipa Roy, "CSRR Loaded Multiband THz MIMO Antenna for Nano-Communications and Bio-Sensing Applications," *Nano Communication Networks*, vol. 38, p. 100481, 2023
- Pavan Kumar Shukla, Neelesh Kumar Gupta, Achyuta Nand Mishra, "Wide angle metamaterial absorber for S, C and X band application," *Frequenz*, vol. 78, no. 1–2, pp. 21–29, 2024
- Shipra Srivastava, Saptarshi Gupta, Vibhav Kumar Sachan, Gaurav Saxena, "High gain circularly polarized graphene-inspired dielectric resonator antenna for 6G IoT THz optical communication and optical refractive index biosensing applications," *Engineering Science and Technology, an International Journal*, vol. 49, p. 101603, 2024
- Divya Sharma, Rajesh Mehra, and Balwinder Raj, "Enhancement in efficiency of methyl ammonium tin iodide-based perovskite solar cell using SCAPS-1D," *Nano*, vol. 18, no. 14, p. 2350109, 2023.
- Karunesh Srivastava, Mayuri Kulshreshtha, "Compact dual-band circularly polarized antenna for wireless communications," *Facta Universitatis Series: Electronics and Energetics*, vol. 36, no. 4, pp. 509–518, 2023.
- Shailendra Singh Ojha, Vandana V. Thakare, K. Singhal, "Ultra-wideband rectenna with the dual ground plane for wide dynamic input power and load range," *International Journal of Electronics*, vol. 1, no. 25, SCIE (IF 1.1), 2024.
- Uma Sharma, Mansi Jhamb, "Variability aware ultra-low power design of NOR/NAND gate using non-conventional techniques," *Engineering Research Express*, vol. 6, no. 1, ESCI, 2024.
- Shahraan Hussain, Balwinder Raj, Divya Sharma, "Design and parametric optimization of lead-free perovskite-based tandem solar cell for higher efficiency," *Engineering Research Express*, vol. 6, no. 1, ESCI, 2024.
- Om Krishna Gupta, Neeta Pandey, Maneesha Gupta, "Improved frequency compensation technique of three-stage amplifier using class AB flipped voltage follower and slew rate enhancer circuit," *AEÜ - International Journal of Electronics and Communications*, vol. 177, SCIE (IF 3.0), 2024.

- Karunesh Srivastava, Rakesh Kumar Singh, Brijesh Mishra, "Compact dual band notch semi-circular patch antenna for C/X/Ku/K band applications," *Wireless Personal Communication*, vol. 135, no. 1, SCIE (IF 1.9), pp. 285–298, 2024.
- Shailendra Singh Ojha, Jai Kumar Sharma, Bhupendra Dhakad, Sateesh Kumar, Neeraj Sharma, "A dual ultra-wideband rectenna with a compact conical antenna for RF energy harvesting from S and C bands," *Results in Engineering*, vol. 22, ESCI, 2024.
- Asutosh Kar, S. Shoba, Srikanth Burra, and Pankaj Goel, "Adaptive tap-length-based sub-band mean M-estimate filtering for active noise cancellation," *Circuits, Systems, and Signal Processing*, SCIE (IF 1.8), 2024.
- Abhishek Tiwari, Mayuri Kulshreshtha, Karunesh Srivastava, "Circular shaped ultrawide-band antenna for wireless communication," *Tuijin Jishu Journal of Propulsion Technology*, Vol. 45No. 2(2024)
- Deepika Pathak, Dheeraj Kumar Yadav, Arihant Dubey, Manish Prajapati, Abhishek Tiwari, "Drone for surveillance economic sciences," *Economic Sciences* 20 (1): 32-37.
- Uma Sharma, Mansi Jhamb, "Exploring supply voltage and temperature variation on XOR/XNOR cells with conventional/non-conventional techniques," *FACTA UNIVERSITATIS Series: Electronics and Energetics*, vol. 37, no. 2, ESCI, pp. 301–316, 2024.
- Bhartendu Chaturvedi, Jitendra Mohan, Jitender, Atul Kumar, "Design and analysis of a novel resistorless frequency selective network for low voltage operation," *Multiscale and Multidisciplinary Modeling, Experiments and Design*, ESCI, 2024, pp. 1–14.
- Gaurav Saxena, Nishant Kumar Devbanshi, Mihika Srivastava, Naveen Kumar Yadav, "High EMR wideband with three transmission zero metasurface absorber for stealth and sensing application in C, X, and Ku microwave band," 1st International Conference on Sustainable Emerging Innovations in Engineering & Technology (ICSEIET/2023), IEEE, Ghaziabad, India, 14–15 Sept. 2023.
- Dushyant Singh Chauhan, Gurjit Kaur, Dinesh Kumar, "Performance analysis of RS-coded UOWC system under gamma-gamma fading channels for IoUT applications," 2023 4th IEEE Global Conference for Advancement in Technology (GCAT), IEEE, Bangalore, India, 6–8 Oct. 2023.
- Dushyant Singh Chauhan, Gurjit Kaur, Dinesh Kumar, "Deep learning-based modulation classification for underwater optical wireless communication system," 1st International Conference on Emerging Research in Computational Science (ICERCS/2023), IEEE, Coimbatore, Tamil Nadu, India, 7–9 Dec. 2023.
- Neha Garg, Mahipal Singh Choudhry, Rajesh Mungasaji Bodade, "Wavelet-based Alzheimer's disease detection using edge-weighted local binary pattern," 2023 9th International Conference on Signal Processing and Communication (ICSC), IEEE, IIIT, Noida, India, 21–23 Dec. 2023.
- Sachin Kumar, Himanshu Nagpal, Ghanshyam Singh, L. Harlan, "Compact-size frequency reconfigurable antenna for sub-6 GHz 5G applications," 5th International Conference on Advances in AI for Biomedical Instrumentation Electronics & Computing (ICABEC/2023), Taylor & Francis, Ghaziabad, India, 22–23 Dec. 2023.
- Demissie Jobir Gelmecha, Sulekha Saxena, Ram Sewak Singh, Nuguse Birhanu Mengistu, "Enhancing urban connectivity: Free space optics as a resilient backup link for fiber networks in urban environments," 5th International Conference on Advances in Distributed Computing and Machine Learning (ICADCML/2024), Springer, VIT-AP University, Andhra Pradesh, India, 5–6 Jan. 2024.
- Demissie Jobir Gelmecha, Divya Sharma, Ram Sewak Singh, Wesene Derbe Negen, "Unraveling the efficiency of multi-user massive MIMO precoding techniques in millimeter wave frequency bands," 5th International Conference on Advances in Distributed Computing and Machine Learning (ICADCML/2024), Springer, VIT-AP University, Andhra Pradesh, India, 5–6 Jan. 2024.

- Neeraj Sharma, Asok De, Anukul Pandey, "Multiband sunflower fractal antenna for wireless energy harvesting," 2nd IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI/2024), IEEE, ABV-IIITM Gwalior, M.P., India, 14–16 Mar. 2024.
- Raghvendra Pratap Singh, Ghanshyam Mishra, Mahesh Kumar Singh, Sachin Jain, "An analysis of edge communication architectures for ultra-dense fog networks," 2nd IEEE International Conference on Disruptive Technologies (ICDT/2024), IEEE, Greater Noida, India, 15–16 Mar. 2024.
- Himanshu Nagpal, Sachin Agrawal, "A Compact Super Wideband Antenna for 5G Applications," 3rd IEEE International Conference on Power Electronics, Intelligent Control & Energy Systems (ICPEICES 2024), IEEE, 28 Apr. 2024.
- Om Krishna Gupta, Neeta Pandey, Maneesha Gupta, "Enhancing Reversed Nested Miller Compensation of Three-Stage Amplifier using Self Cascode and Folded Flipped Voltage Follower," IEEE Fifth International Conference on Advances in Electronics, Computers and Communications (ICAEC 2023), IEEE, 7–9 Sept. 2023.
- Hardeo Kumar, Jagendra Singh, Bhumika Verma, Pooja Mishra, Akash Anand, Mahendran N., "IoT-Enhanced Seaside Monitoring for Early Flood Warning Systems using Intelligent Techniques," International Conference on Communication, Computer Sciences and Engineering (IC3SE 2024), IEEE, 9–11 May 2024.
- Neelesh Kr. Gupta, Pushpalata Verma, Richa Verma, Tikeswar Gajpal, Jaideep Patel, Rovin Tiwari, "Enhanced Drowsiness Prediction through EEG Signal Analysis using Hybrid Machine Learning Model," 4th International Conference for Intelligent Technologies, IEEE, Hubli, Karnataka, India, 21–23 June 2024.
- Nitisha Shrivastava, Arjun Baliyan, "Efficacy of continued expansion technique in the analysis of fractional order systems," International Journal of Electrical and Computer Systems, 9(7), July 2024.
- Shobhit Kureel, Lokesh Varshney, Sheetla Prasad, "Analysis of the Effect of Solar PV Penetration for Empowering the Grid," Nanotechnology Perceptions, May 24, 2024.
- Upasana Sharma, Rohit Sharma, Meenakshi Awasthi, Lokesh Varshney, "Error Mitigation in Noma for Underlay CR Networks with Imperfect Successive Interference Cancellation," International Journal of Electrical and Electronics Research (IJEER), June 25, 2024.
- Lokesh Varshney, Raju Hajare, Dinesh Singh, "Assessing the Influence of Shading Patterns on Solar PV Panel Efficiency," Nanotechnology Perceptions, 2024.
- Anil Kumar Rai, Vani Bhargava, "Effective Strategies for Mitigating Partial Shading Effects in Photovoltaic Systems," IEEE Sponsored International Conference on Electrical, Computer and Communication Technologies, 2024.
- Anil Kumar Rai, Vani Bhargava, "Comprehensive Analysis of MPPT Strategies for PV Systems to Maximize Energy Yield," IEEE International Conference on Innovative Sustainable Technology Energy, Mechatronics and Smart Systems (ISTEMS 2024).
- Anil Kumar Rai, Vani Bhargava, "Design and Modelling of MPPT Controller using Fuzzy Logic," IEEE International Conference on Smart Power Control and Renewable Energy.
- Anil Kumar Rai, Vani Bhargava, "Modelling and Analysis of SEPIC and ZETA Converter Topologies," IEEE International Conference on Computer, Electronics and Electrical Engineering and their Applications (IC2E3/2024).
- Vani Bhargava, "Wireless Charging Circuit Load Performance Enhancement using Advanced Compensation Schemes for Electric Vehicles," SIDSET 23, AIP Publishing, 2023.
- Vani Bhargava, "Design and Analysis of EV Wireless Charging Topology Using LCC Compensation Scheme," SIDSET 23, AIP Publishing, Scopus, 2023.
- Vani Bhargava, Sanjay Sinha, M.P Dave, "Multiple Mixed Distributed Generator Placements in Primary Distribution System Based Upon Loss Sensitivity Factor and Successive Placement," STPEC 2023.

- Vani Bhargava, "Techno/Economic Analysis of Optimal SPVDC Placement in Primary Distribution System," PARC 2024.
- Vani Bhargava, "Cost Effective IoT-Based Smart Helmet with HUD Display," First International Conference on Recent Trends in Engineering & Technology (RTET/2K24), Indian Society for Technical Education Journal.
- Vani Bhargava, "Modeling Analysis of Vehicle-to-Grid Converter," First International Conference on Recent Trends in Engineering & Technology (RTET/2K24), Indian Society for Technical Education Journal.
- Neeraj Gupta, "Design and Development of a Versatile Drone for Multi-Payload Applications," Proceedings of the 2nd IEEE International Conference on Device Intelligence, Computing and Communication Technologies (DICCT 2024).
- Sonali Singh, P. P. Gauri, Jitendra Kumar Goyal, Neeraj Gupta, "Robust H_{∞} Controller Design with Regional Pole Placement for Quarter Car Active Suspension System," 2024 Australian and New Zealand Control Conference (ANZCC 2024).
- Sonali Singh, Ankit Sachan, Jitendra Kumar Goyal, Neeraj Gupta, "Design and Stability Analysis of Non-Smooth Integral Sliding Surface for Coupled Tank System with Matching/Non-Matching Disturbance," 2024 Australian and New Zealand Control Conference (ANZCC 2024).
- Neeraj Gupta, "Automatic Stamping and Sorting Machine Using PLC," 2nd International Conference on Optimization Techniques in Engineering and Technology (ICOTET 2024), AIP Proceedings Indexed by Web of Science.
- Arun Kumar Maurya, Hemant Ahuja, "Vehicle-to-Grid Technologies Resolving Micro Grid Power Intermittencies Issues," 2023 IEEE Delhi Scopus Indexed 9th International Conference on Power Electronics (IICPE).
- Arun Kumar Maurya, Hemant Ahuja, "1- Φ L/2 G2V EV DC Fast Off-Board Charging System Design Using Totem-Pole PFC and PSFB DC-DC Converter," 2023 3rd IEEE Bangalore Section Scopus Indexed International Conference on Innovative Mechanisms for Industry Applications.
- Arun Kumar Maurya, "Cyber/Physical Testbed Frameworks for Digital Infrastructure," 2024 IEEE Uttar Pradesh Section Scopus Indexed 4th International Conference on Innovative Practices in Technology and Management.
- Arun Kumar Maurya, "Implementation of PID Controller Tuning Method for Load Frequency Control in Multi-Area Power System," 2024 IEEE Uttar Pradesh Section Scopus Indexed 4th International Conference on Innovative Practices in Technology and Management.
- Arun Kumar Maurya, "Optimization of Welding Parameters for Tool Selection in Friction Stir Welding of Aluminum Alloy Plates," International Conference on Recent Advances in Energy and Materials for Sustainable Development (RAEM 2023).
- Arun Kumar Maurya "Modeling and Simulation of Multi-Level Inverter for Integrating Solar PV System to Grid," International Conference on Recent Advances in Energy and Materials for Sustainable Development (RAEM 2023).
- Arun Kumar Maurya, "Comprehensive Analysis of Electric Vehicles and Fuel Cell Technologies Applied in Existing Applications," International Conference on Recent Advances in Energy and Materials for Sustainable Development (RAEM 2023).
- Arun Kumar Maurya, "Analysis of Energy Storage Technology for Hybrid Electric Vehicle," International Conference on Smart and Innovative Development in Science, Engineering & Technology (SIDSET 2023).
- J. G. Yadav, "Modified Invasive Weed Optimization for MPPT of Solar Powered Pumping System," Journal of Electrical System, July 18, 2024.
- J. G. Yadav, Parveen Dhull, Suraj Patel, "Vehicle-to-Vehicle (V2V) IoT-Based Charger," 1st International Conference on Advance Computing and Emerging Technologies (ACET/2024), August 23–24, 2024.
- Sonam Gupta, Bhanu Verma, Pradeep Gupta, Lipika Goel, Arun Kumar Yadav, and Divakar Yadav, "Identification of Fake News Using Deep Neural Network-Based Hybrid Model," SN Computer Science, vol. 5, 2023.

- Manoj Kumar, "A Secure Substitution Technique for Text Encryption and Decryption Based on ASCII Value," International Journal of Innovative Science and Research Technology, vol. 9, 2023.
- Yogendra N. Prajapati, Shivani Agrawal, Manu Singh, and Sandhya Sharma, "Applying Machine Learning to Explore Autism Spectrum Disorders (ASD), a Cognitive Condition Arising from Brain Variations," Journal of Xidian University, vol. 10, 2023.
- Yogendra N. Prajapati, Upasana Pandey, Manu Singh, Shivani Agrawal, Umesh Kumar Patel, and JaiShree Jain, "Neural Network-Based Face Detection Incorporating Image Invariants and Neural Synthesis," Community Practitioner Journal, vol. 4, 2024.
- Yogendra N. Prajapati, Krishna Mohan Pandey, Manoj Kumar, and Ashish Kumar, "Analyzing Breast Cancer Detection Through Machine Intelligence Algorithms," Madhya Bharti, vol. 12, 2023.
- Jaishree Jain, Shashank Sahu, Santosh Kumar Upadhyay, Yogendra N. Prajapati, Ashish Dixit, and Samender Singh, "Navigating the Cloud and Fog: Unveiling Security Challenges in AI Applications," Community Practitioner Journal, 2024.
- Yogendra N. Prajapati, Beemkumar N., Mary Christeena Thomas, Lovish Dhingra, Rishabh Bhardwaj, and Aws Zuhair Sameen, "An Improved Internet of Things-Based Optimized SVM Approach for ECG-Based Cardiac Arrhythmia Classification," Journal of Intelligent Systems and Internet of Things, vol. 13, no. 1, 2024.
- K. Ramu, Sridhar Patthi, Yogendra N. Prajapati, Janjhyam Venkata Naga Ramesh, Sudipta Banerjee, K.B.V. Brahma Rao, Saleh I. Alzahrani, and Rajaram Ayyasamy, "Hybrid CNN/SVM Model for Enhanced Early Detection of Chronic Kidney Disease," Biomedical Signal Processing and Control, vol. 100, p. 107084, 2025.
- Kamna Singh, "Integrated and Constrained-Based Approach for Network Intrusion Detection System," International Journal of Creative Research Thoughts (IJCRT), 2023.
- Kamna Singh, "Internet of Things (IoT): Layered Framework and Diverse Algorithms for Node MCU ESP8266 with Sensors," Propulsion Tech Journal, 2023.
- Sameeksha Khandelwal, Tanya Verma, Vidit Jaiswal, Abhinav Gautam, Jaishree Jain, "Exploring Customer Churn Patterns in the Telecommunication Industry: A Comprehensive Analysis," African Journal of Biological Sciences (AFJBS), 2024.
- Jaishree Jain, Santosh Kumar Upadhyay, Sharvan Kumar, and Neerja Arora, "Cloud-Enabled Social Network Mining for Advanced Recommendation Systems: An Integrated Data Mining and Social Network Analysis Approach," Intelligent Systems and Applications in Engineering, 2024.
- Santosh Kumar Upadhyay, Jaishree Jain, and Rajesh Prasad, "Early Blight and Late Blight Disease Detection in Potato Using EfficientNetB0," International Journal of Experimental Research & Review, 2024.
- Jaishree Jain, Shashank Sahu, and Ashish Dixit, "Brain Tumor Detection Model Based on CNN and Threshold Segmentation," International Journal of Experimental Research & Review, 2023.
- Fraida Musa and Rajesh Prasad, "Predicting Preeclampsia Using Principal Component Analysis," Current Women Health Reviews, 2023.
- Akhilesh Verma, Vijay Kumar Gupta, and Savita Goel, "Transient Liveness Factor: An Attempt Towards Identification of Innate Fingerprint Under Varying Spoof Samples," International Journal of Advanced Intelligence Paradigms, 2023.
- Anuradha Taluja and A.K. Solanki, "A Comprehensive Approach for Assessing the Reliability of Complex Networks Using OANN Approach," Multidisciplinary Science Journal, vol. 5, 2023.
- Arjun Singh, Sonam Gupta, Lipika Goel, Abhay Kumar Agarwal, Shashi Kant Dargar, "Archimedes Optimization-Based Elman Recurrent Neural Network for Detection of Post-Traumatic Stress Disorder," Biomedical Signal Processing and Control, 2024.

- Srilakshmi Ch, Uma K., Rakesh Kumar Yadav, "IoT Sensor Data Retrieval and Analysis Through Cloud Environment for Effective Power Management," Measurement: Sensors Journal, Science Direct Journal, 2023.
- Jaishree Jain, Jatin Chauhan, Anushka Sharma, Shashank Sahu, Ankita Rani, "A Real-Time Employee Attendance Monitoring System Using ANN," International Journal on Recent and Innovation Trends in Computing and Communication, 2023.
- Ankita Rani, "Developing a Deep Learning Model for Text Generation from a Given Set of Text," International Journal of Science and Research (IJSR), 2023.
- Sarvachan Verma, Anupama Sharma, Sachin Jain, Anuj Kumar, "On the Improvements of the Performance of Bayes/Net Classification for Diagnosis of Diabetes: A Cross-Validation Approach," Recent Advances in Electrical & Electronic Engineering, 2024.
- Devvrat Tyagi, Ayushi Prakash, Amita Pal, Sonu Kumar Jha, Mayur Rahul, Vikash Yadav, "Control Strategy for LVRT Enhancement in Photovoltaic Fuel Cell Hybrid Renewable Energy System," Journal of Scientific & Industrial Research (JSIR), 2024.
- Mayur Rahul, Sonu Kumar Jha, Ayushi Prakash, Sarvachan Verma, Vikash Yadav, "Multilingual Speaker Recognition Using Mel/Frequency Cepstral Coefficients and Gaussian Mixture Model," Recent Advances in Electrical & Electronic Engineering, 2024.
- Mayur Rahul, Sonu Kumar Jha, Mohammad Ilyas Khan, Ayushi Prakash, Parashu Ram Pal, Vikash Yadav, "Feature Level Fusion of Fingerprints and IRIS for the Enhancement of Biometric System," Recent Advances in Electrical & Electronic Engineering, 2024.
- Lipika Goel, Sonam Gupta, Dharmendra Kumar, and Vinay Pathak, "Effect of Data Sampling on Cone Shaped Embedded Normalization in Just in Time Software Defect Prediction," SN Computer Science, 2024.
- Lipika Goel, Sonam Gupta, Avdhesh Gupta, Siddhi Nath Rajan, Vishan Kumar Gupta, Arjun Singh, Pradeep Gupta, "Advancing ASD Detection: Novel Approach Integrating Attention Graph Neural Networks and Crossover Boosted Meerkat Optimization," International Journal of Machine Learning and Cybernetics, 2024.
- Shubham Vyas, Dr. Rajesh Kumar Tyagi, Dr. Shashank Sahu, "Fuzzy-Based Event Clustering for Semantic Load Shedding of Real-Time Data Streaming," Intelligent Systems and Applications in Engineering, 2023.
- Lipika Goel, Sonam Gupta, Avdhesh Gupta, Neha Nandal, Siddhi Nath Rajan, Pradeep Gupta, "A Comparative Analysis of Feature Selection Algorithms in Cross Domain Sentiment Classification," Recent Advances in Computer Science and Communications, 2024.
- Hauwa Ahmad Amshi, Rajesh Prasad, Birendra Kumar Sharma, Saratu Ilu Yusuf, Zaharaddeen Sani, "How Can Machine Learning Predict Cholera: Insights from Experiments and Design Science for Action Research," Journal of Water and Health, 2024.
- Saratu Ilu Yusuf, Rajesh Prasad, "Time Series Analysis and Prediction of COVID-19 Patients Using Discrete Wavelet Transform and Auto-Regressive Integrated Moving Average Model," Multimed Tools and Applications, 2024.
- Z. Sani, Rajesh Prasad, E.K.M. Hashim, "Breast Cancer Detection in Mammography Using Faster Region Convolutional Neural Networks and Group Convolution," IETE Journal of Research, 2024.
- Rajesh Prasad, Farida Musa, Hadiza Muhammad Ahmad, Santosh Kumar Upadhyay, Birendra Kumar Sharma, "Autism Spectrum Disorder Prediction Using Machine Learning and Design Science," International Journal of Experimental Research & Review, 2024.
- Beerbal Solanki, Updesh Kumar Jaiswal, Bhupesh Kumar Gupta, Manoj Kumar, "Detection of Images for Video-Based Stereoscopy by Using the Combination of Saliency Methods," African Journal of Biological Sciences (South Africa), 2024.

- Vaibhav Gupta, Harnit Saini, Utkrsh Kumar Singh, Vineet Gupta, Utkarsh Singh, Sakshi Singh, "Modernizing Voting System: MT/CNN-Based Face Recognition Voting System," AFBC, vol. 5, 2024.
- Ashish Dixit, R.P. Aggarwal, B.K. Sharma, Aditi Sharma, "Safeguarding Digital Essence: A Sub-Band DCT Neural Watermarking Paradigm Leveraging GRNN and CNN for Unyielding Image Protection and Identification," Journal of Intelligent Systems and Internet of Things, 2023.
- Gopal Babu, Harsh Satya, Santosh Satya, Bihari Nandan Pandey, "Looking at Sustainability More Fundamentally: Quest for a Holistic Worldview," Journal of Human Values, 2024.
- Anu Chaudhary, Ms. Swati Tomar, Yogendra Narayan Prajapati, Akshay Bhatia, Arnav Agarwal, Astha Tripathi, Ayush Jain, Bhavya Agrawal, "Facial Recognition-Based Smart Attendance System: An Innovative Approach to Attendance Tracking," African Journal of Biological Sciences.
- Nishant Kumar Pathak, Varun Kumar, Ashish, "Exploring the Impact of Machine Learning Algorithm on Cardiovascular Health Assessment," Journal of Computer Science.
- Ritika Dhyani, Mahima Saxena, Bhumica Verma, "Exploring the Synergy: The Intersection of IoT & Robotics in Transforming Industries & Daily Life," Glimpse/ Journal of CSE, 2024.
- Rupa Rani, Kuldeep Kumar Yogi, Satya Prakash Yadav, "Detection of Cloned Attacks in Connecting Media Using Bernoulli RBM_RF Classifier (BRRC)," Multimedia Tools & Applications, 2024
- Bhumica Verma, Harsh Ahuja, Muskan Jain, Hiranmay Bhaskar, Love Dhama, "Coloc/ College /Off-Campus Accommodation Finder," International Journal of Multidisciplinary Research (IJFMR), 2024.
- Manoj Kumar Srivastava, Beerbal Solanki, Updesh Kumar Jaiswal, "Big IoT Data Analytics Using FOG Computing," Glimpse/ Journal of CSE, 2024.
- Shashank Sahu, Neeta Sahu, "Analysis of Credit Card Fraud Transaction Detection Using Machine Learning Algorithm," International Conference on Contemporary Computing and Informatics (IC3I), Amity University, 14 Sep 2023.
- Upasana Mishra, "Education for Sustainable Humane Economics," Nav/Prabandhan 2023 – International Online Management Conference on Responsiveness and Innovation for Sustainable Business: Prospects and Challenges, Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, 22/23 Sep 2023.
- Upasana Mishra, "A Study on Health, Wellness and Cultural Preservation through Traditional Games," National Conference on NSUHVHE 2024, 30 April 2024.
- Yogendra Narayan Prajapati, "Detecting Brain Tumor Using CNN," 6th International Conference on Contemporary Computing and Informatics (IC3I), Amity University, Noida, 22/23 Sep 2023.
- Yogendra Narayan Prajapati, "A New Approach of Machine Learning and Deep Learning Algorithms Based Crop Yield Prediction," International Conference on Quantum Technologies Communications, Computing, Hardware and Embedded System (ICSTSN/2023), IIITK, 15/16 September 2023.
- Kajal Gupta, Dr. Rajesh Prasad, "Machine Learning Solution to Polycystic Ovary Syndrome: A Review," International Conference on Contemporary Computing and Informatics (IC3I/2023), Amity University, 14/16 September 2023.
- Kajal Gupta, Dr. Rajesh Prasad, "Polycystic Ovary Syndrome Detection Using Deep Learning," International Conference on Contemporary Computing and Informatics (IC3I/2023), Amity University, Greater Noida, 14/16 September 2023.
- Anuradha Taluja, A.K. Solanki, Harish Kumar, "A Comprehensive Approach for Assessing the Reliability of Complex Networks Using OANN Approach," 3rd International Conference on Advancing Knowledge from Multidisciplinary Perspectives in Engineering & Technology – ICAKMPET, Institute for Engineering Research and Publication (IFERP), Philippines, 26/27 Jan 2024.

- Anuradha Taluja, "A Comprehensive Approach for Heart Patient Monitoring and Prevention Using IoT and Blockchain Technology," First International Conference on Advanced Network Technologies and Computational Intelligence (ICANTCI), Chitkara University, 5/6 April 2024.
- Anuradha Taluja, "Predictive Machine Learning Technique for Forecasting Gold Prices in the Commodity Market," 4th International Conference on Computational Methods in Science & Technology 2024 (ICCMST), Chandigarh Engineering College, Landran, 2/3 May 2024.
- Anuradha Taluja, "Blockchain Technology for Electronic Voting System: Exploring Reviews and Unheard of Obstacles," International Conference on Multidisciplinary Research and Innovation ICMRI02024, Indian Institute of Management and Technology, Greater Noida, 20/21 March 2024.
- Anuradha Taluja, "Deep Convolutional Neural Network for Image Classification and Summarization Using Large Language Models," International Conference on Multidisciplinary Research and Innovation ICMRI02024, Indian Institute of Management and Technology, Greater Noida, 20/21 March 2024.
- Anuradha Taluja, "Acute Ischemic Stroke Using Ensemble Learning," International Conference on Optimization Techniques in Engineering and Technology, ICOTET/2024, International Dronacharya Group of Institutions, Greater Noida, 14/15 June 2024.
- Krishna Mohan Pandey, Jaishree Jain, Arpit Jain, Umesh Kumar Patel, Amrita Bhatnagar, Abhishek Jain, "Hy_PSO: Hybrid Algorithm for Lung Cancer Diagnosis and Prognosis," IEEE International Conference on Smart Devices (ICSD/2024), Uttaranchal University, 2/3 May 2024.
- Jaishree Jain, Santosh Kumar Upadhyay, Sanjib Kumar Nayak, "Analyzing the Effectiveness of Machine Learning Algorithms in Detecting Fake News," International Conference on Cutting Edge Technology in Computing Communication and Intelligence (ICCTCCI/2024), CRC Press Taylor and Francis indexed, Institute of Management and Information Technology, Cuttack, 23/24 March 2024.
- Vinod Kumar, Ashish Dixit, Mukta Makhija, Jaishree Jain, Nishant Anand, Mridula Dwivedi, "Outbreak Prediction of COVID-19 Using Recurrent Neural Network with LSTM," 2nd International Conference on Machine Learning and Data Engineering, 23/24 November 2023.
- Jaishree Jain, Shashank Sahu, Neeta Sahu, "Sentiment Analysis Based on NLP Using Machine Learning," 2nd International Conference on Emerging Trends in IoT and Emerging Techniques 2023, International Taylor & Francis Group CRC Press, Ranchi, Jharkhand, India, 15/16 December 2023.
- Sakshi Singh, Aditi Yadav, Sonam Gupta, Pradeep Gupta, "Handwritten Digit Recognition Using Machine Learning Classifier," 3rd International Conference on Computing and Communication Networks (ICCCNet/2023), International Manchester Metropolitan University, Manchester, United Kingdom, 17/18 November 2023.
- Divya Singh, Bhawna Upadhyay, Pradeep Gupta, Sonam Gupta, "A Novel Approach to Image Restoration and Image Enhancement," 3rd International Conference on Computing and Communication Networks (ICCCNet/2023), International Manchester Metropolitan University, Manchester, United Kingdom, 17/18 November 2023.
- Santosh Kumar Upadhyay, Raghuraj Singh, Ashish Kumar, Neeraj Sagar, "Rice Leaves Disease Detection Mechanism Using VGG16 Deep Learning Architecture," International Conference on Innovation in Data Analytics, International Knowledge Research Foundation in collaboration with Eminent College of Management and Technology (ECMT), West Bengal, 29/30 November 2023.
- Sachin Jain, Preeti Jaidka, Vishal Jain, "Plant Leaf Disease Classification Using Deep Learning Based Hybrid Approach," 2nd International Conference on Communication, Security and Artificial Intelligence, Galgotia University, 23/25 November 2023

- Sachin Jain, Preeti Jaidka, Vishal Jain, "Deep Learning Ensemble Method for Plant Disease Classification," 2nd International Conference on Communication, Security and Artificial Intelligence, IEEE, Galgotia University, Greater Noida, 23/25 November 2023.
- Ashish Dixit, Samender Singh, Manoj Kumar, "Revolutionizing Tuberculosis Diagnosis: Advancements in Deep Convolutional Neural Networks for Chest X-Ray Analysis," 2nd International Conference on Advancement in Electronics & Communication Engineering (AECE/2022), Raj Kumar Goel Institute of Technology, 14/15 November 2022.
- Vinod Kumar, Ashish Dixit, Mukta Makhija, Jaishree Jain, Nishant Anand, Mridula Dwivedi, "Outbreak Prediction of COVID-19 Using Recurrent Neural Network with LSTM," 2nd International Conference on Machine Learning and Data Engineering, UPES Dehradun, 23/24 November 2023.
- Ashish Dixit, Samender Singh, Manoj Kumar, "Unobtrusive Watermarking for Copyright Preservation and Authenticity Verification in Digital Images Using Hybrid HVS-Based Technique," 2nd International Conference on Disruptive Technologies (ICDT), Greater Noida, India, G.L. Bajaj, 15/16 March 2024.
- Ashish Dixit, Samender Singh, Manoj, "Revolutionizing Tuberculosis Diagnosis: Advancements in Deep Convolutional Neural Networks for Chest X-Ray Analysis," 2nd International Conference on Advancement in Electronics & Communication Engineering (AECE/2022), IEEE, Raj Kumar Goel Institute of Technology, 23/24 November 2023.
- Sachin Jain, Vishal Jain, "A Critical Evaluation of Deep Learning Methods for Classifying Brain Tumor: A Review," International Conference on Computational Intelligence and Network Security, Lakireddy Bali Reddy College of Engineering, 22/23 Dec 2023.
- Shiva Tyagi, Rajendra Kumar Bharti, Bipin Tripathi Kumaon, "Detailed Analysis of Computing Methodologies with Special Reference to OSS while Mitigating Crises with help of varied Decision Models," Asian Conference On Innovation In Technology, Pimpri Chinchwad College of Engineering and Research, 25/27 August 2024.
- Shiva Tyagi, Riti Rathore, "Unveiling the Dynamic Journey from Data Insights to Action in Data Science," 2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), Chennai, India, 01/02 November 2023.
- Shiva Tyagi, "Spanning Tree of a Graph: Identification Coupled with the Upcoming Methodologies," International Conference on Emerging Technology and Sustainable Solutions, Chitkara University, 24/25 Nov, 2023.
- Shiva Tyagi, "Application of Data Science and Machine Learning for Combating Covid/19," 3rd International Conference on Advanced Network Technologies and Intelligent Computing, BHU, Varanasi, 20/22 Dec 2023.
- Shiva Tyagi, "Enhancing the Security of Web Application using FirebaseAuth," 7th International Conference On Innovative Computing And Communication, Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi, 16/17 Feb 2024.
- Rekha Baghel, "A Survey on Code/Mixed Sentiment Analysis Based on Hinglish Dataset," International Conference on Computing, Communications, and Cyber/Security, Krishna Engineering College, Ghaziabad, 15 Dec 2022.
- Neerja Arora,swati Tomar, Pancham Singh, Yogendra Narayan Prajapati, "A New Approach Of Machine Learning And Deep Learning Algorithms Based Crop Yield Prediction," International Conference on Quantum Technologies, Communications, Computing, Hardware and Embedded Systems Security (iQ/CHESS), Kottayam, India, 15/16 Sep 2023.
- Neerja Arora,"Security System for Services Access in Smart City System Using Internet of Everything and Cloud," 2nd International Conference on Disruptive Technologies (ICDT 2024), IEEE, GL Bajaj Inst. Of Technology & Mgmt., Greater Noida, India, 15/16 March 2024.

- Annu Mishra, Ravi Prakash Chaturvedi, Hirdesh Sharma, Ritu Sharma, Sameer Asthana, "Multi/Scale Optimized Feature Network for Polyp Segmentation," International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), Sharda University, 3/4 Nov 2023.
- Rajesh Prasad, "Prediction of Mortality in Liver Transplant Recipients using Neural Network," 5th International Conference on Computing, Power and Communication, 9/10 February 2024.
- Naresh Trivedi, Sachin Jain, Sumit Agarwal, "Identifying and Categorizing Alzheimer's Disease with Lightweight Federated Learning Using Identically Distributed Images," ICRITO, Amity University, 14/15 March 2024.
- Hina Singh, Minal Bafna, "Hyperspectral Imaging Data Visualization: A Catalyst for Sustainable Horticultural Practices with Artificial Intelligence," 2nd International Conference on Disruptive Technologies, GL Bajaj, 15/16 March 2024.
- Vikas, Dr. Santosh Kumar Upadhyay, "Intelligent Crop Recommendation using Machine Learning," 2024 International Conference on Automation and Computation (AUTOCOM), Graphic Era Hill University, Dehradun, 14/15 March 2024.
- Vikas, Mukulit Goel, Kamna Singh, Sachin Jain, "The Impact of Machine Learning based Framework on Network Traffic Performance in Mobile Ad Hoc Networks," International Conference on Reliability, Infocom Technologies and Optimization, Amity University, 14/15 March 2024.
- Vikas, Amit Kumar, Anubhav Bewerwal, Deepika Srivastava, Shruti Jain, "An Intelligent Yield Prediction of Crops in Smart Agriculture Management using Enhanced Fuzzy Based AI Framework," 2nd International Conference on Disruptive Technologies, GL Bajaj, 15/16 March 2024.
- Amit Kumar, Anubhav Bewerwal, Vikas, Deepika Srivastava, Shruti Jain, "An Intelligent Yield Prediction of Crops in Smart Agriculture Management using Enhanced Fuzzy Based AI Framework," 2nd International Conference on Disruptive Technologies, GL Bajaj, 15/16 March 2024, IEEE, Scopus.
- Abhay Bhatia, Anil Kumar, Praveen Verma, Manish Kumar, Jaideep Kumar, "Cyber Threat: A Review on Dark Sides of Dark Web," 3rd International Conference on Advancement in Electronics & Communication Engineering (AECE/2023), Raj Kumar Goel Institute of Technology, 23/24 November 2023.
- Abhay Bhatia, Manish Kumar, Jaideep Kumar, Anil Kumar, Prashant Verma, "Facial Expression Recognition: Detection and Tracking," 13th International Advanced Computing Conference (IACC/2023), Sharad Institute of Technology, College of Engineering, Maharashtra, 15/16 December 2023.
- Sunil Kumar, Abhay Bhatia, Anil Kumar, Manish Kumar, Girish Dutt Gautam, "Traffic Sign Recognition using CNN," International Conference on Multidisciplinary Research and Innovation (ICMRI/2K24), IIMT, Greater Noida, 20/21 March 2024.
- Abhay Bhatia, Anil Kumar, Sunil Kumar, Manish Kumar, Girish Dutt Gautam, "Vehicle Detection using AI and ML Based Model to Moderate the Traffic Avoid Congestion Condition," International Conference on Multidisciplinary Research and Innovation (ICMRI/2K24), IIMT, Greater Noida, 20/21 March 2024.
- Manish Kumar, Sandeep Yadav, Arpit Jain, Anita Singh, "Smog Restoration of an Image using Oblique Gradient Profile," 4th International Conference on Innovation in IoT, Robotics and Automation (2024), MIT, Moradabad, 15/16 March 2024.
- Sana Anjum, Deepak Upadhyay, Kamna Singh, Prashant Upadhyay, "Machine Learning-Based Resource Allocation Algorithms for 6G Networks," 2nd International Conference on Disruptive Technologies (ICDT), GL Bajaj, 15/16 March 2024, IEEE, SCOPUS.
- Anupama Sharma, Sandhya Avasthi, Ayushi Prakash, K Agarwal, "A Human Brain Disease Anatomy Framework on Communication and Rehabilitation," Second International Conference on Informatics (ICI), JIIT, Noida & University of Florida, USA, 23/25 November 2023.

- Sandhya Avasthi, Khushboo Jain, Ayushi Prakash, Tanushree Sanwal, "A Blockchain Architecture for Secure Decentralized System and Computing," 3rd International Conference on Power Electronics and IoT Applications in Renewable Energy and its Control (PARC), GLA University, Mathura, 23/24 February 2024.
- Vishal Jayaswal, Sharma Ji, Ashish Kumar, Varun Kumar, Ayushi Prakash, "OCR Based Deep Learning Approach for Image Captioning," IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), Galgotias University, 09/10 February 2024.
- Sakshi Singh, Avdhesh Gupta, Anu Chaudhary, "Enhancing Blockchain Security through Quantum Key Distribution and Evaluating QKD Network in QKDNetSim Environment 2024," 3rd International Conference on Power Electronics and IoT Applications in Renewable Energy and its Control (PARC), GLA University, Mathura, 23/24 February 2024.
- Rashi Singh, Mukulit Goel, Pankaj Bahuguna, Anuj Kumar, Sachin Jain, "Examining the Impact of Machine Learning on Streamlining Data Analysis in Real-Time," 2nd International Conference on Disruptive Technologies (ICDT), GL Bajaj, 15/16 March 2024.
- Raghvendra Pratap Singh, Ghanshyam Mishra, Mahesh Kumar Singh, Sachin Jain, "An Analysis of Edge Communication Architectures for Ultra-Dense Fog Networks," 2nd International Conference on Disruptive Technologies (ICDT), GL Bajaj, 15/16 March 2024.
- Mayank Trivedi, Ruchika, Pronab Kumar Adhikari, Sachin Jain, Vaishali, "An Empirical Study of Meta Learning for Medical Image Segmentation with Transfer Learning," 2nd International Conference on Disruptive Technologies (ICDT), GL Bajaj, 15/16 March 2024.
- Vikas, Mukulit Goel, Kamna Singh, Sachin Jain, "The Impact of Machine Learning-Based Framework on Network Traffic Performance in Mobile Ad Hoc Networks," ICRITO, Amity University, Greater Noida, 14/15 March 2024.
- Vishan Kumar Gupta, Avdhesh Gupta, Madhup Agrawal, Anjali Sardana, Surendra Kumar Shukla, Kireet Joshi, "An Effectual Method for Clustering of Big Data on the Cloud using Fuzzy C-Means Algorithm," Global Conference on Information Technologies and Communications (GCITC), Bangalore, India, 1/3 December 2023.
- Mayank Trivedi, Sachin Jain, Ruchika, Sachin Jain, Vaishali, "An Empirical Study of Meta Learning for Medical Image Segmentation with Transfer Learning," 2nd International Conference on Disruptive Technologies (ICDT), GL Bajaj, 15/16 March 2024.
- Sakshi Singh, Aditi Yadav, Sonam Gupta, Pradeep Gupta, "Handwritten Digit Recognition using Machine Learning Classifier," 3rd International Conference on Computing and Communication Networks (ICCCNet/2023), Manchester Metropolitan University, Manchester, United Kingdom, 17/18 November 2023.
- Divya Singh, Bhawna Upadhyay, Pradeep Gupta, Sonam Gupta, "A Novel Approach to Image Restoration and Image Enhancement," 3rd International Conference on Computing and Communication Networks (ICCCNet/2023), Manchester Metropolitan University, Manchester, United Kingdom, 17/18 November 2023.
- Pradeep Gupta, Nusrat Nigar, Roma Paswan, Rajat Kumar Singh, Sanjeev Kumar, "Non-Fungible Token Integration for Secure Access Control, Monetization, and Real-World Application," International Conference on Innovative Computing and Communication (ICICC/2024), Shaheed Sukhdev College of Business Studies, University of Delhi, 16/17 February 2024.
- Pradeep Gupta, "Detection of Hate Speech using Ensemble Model," International Conference on Innovative Computing and Communication (ICICC/2024), Shaheed Sukhdev College of Business Studies, University of Delhi, 16/17 February 2024.
- Dinesh Choudhary, Pradeep Gupta, Sonam Gupta, "Early Phase Detection of Diabetes Mellitus Using Machine Learning," International Advanced Computing Conference, Kolhapur, India, 15/16 December 2023.

- Deepak, Sonam Gupta, Pradeep Gupta, "Plant Disease Recognition Using Machine Learning and Deep Learning Classifiers," International Advanced Computing Conference, Kolhapur, India, 15/16 December 2023.
- Mayank Trivedi, Sachin Jain, Ruchika, Sachin Jain, Vaishali, "An Empirical Study of Meta Learning for Medical Image Segmentation with Transfer Learning," 2nd International Conference on Disruptive Technologies (ICDT), G L Bajaj, 15 March 2024.
- Updesh Kumar Jaiswal, Beerbal Solanki, Bhupesh Kumar Gupta, Yogendra Narayan Prajapati, "Predicting Stock Market Trends with Long Short/Term Memory Recurrent Neural Networks in Machine Learning," 4th International Conference on Nanoelectronics, Machine Learning, Internet of Things & Computing Systems (NMIC/2024), ISVE at Advanced Regional Telecom Training Centre, BSNL, Ranchi, Jharkhand, India, 13/14 April 2024.
- Jagendra Singh, Hardeo Kumar Thakur, Bhumica Verma, Pooja Mishra, "IoT-Enhanced Seaside Monitoring for Early Flood Warning Systems using Intelligent Techniques," IC3SE 2024, Amity University, Noida, 09/11 May 2024.
- Piyush Pandey, Pankaj Jain, Anupam Gupta, Vinod Kumar Gupta, Harish Jindal, Anupam Gupta, "Categorization, Detection, and Prevention of Ransomware Attack: A Review," Seventh International Conference on Image Information Processing (ICIIP), Solan, India, 22/24 Nov 2023.
- Anshul Yadav, Ashish Chaudhary, Anupam Gupta, "Advancing Sentiment Understanding in Social Media through Dynamic Contextual Embedding," 3rd International Conference for Innovation in Technology (INOCON), Bangalore, India, 1/3 March 2024.
- Vinod Kumar Gupta, Anupam Gupta, Mritunjay Agrawal, Ankit Sardana, Shubham Kumar Shukla, Krishna Joshi, "An Effectual Method for Clustering of Bigdata on the Cloud using Fuzzy C-Means Algorithm," Global Conference on Information Technologies and Communications (GCITC), Bangalore, India, 1/3 Dec 2023.
- Sandeep Singh, Anupam Gupta, Ashish Chaudhary, "Enhancing Blockchain Security through Quantum Key Distribution and Evaluating QKD Network in QKDNetSim Environment," 3rd International Conference on Power Electronics and IoT Applications in Renewable Energy and its Control (PARC), Mathura, India, 23/24 Feb 2024.
- Piyush Pandey, Vinod Kumar Gupta, Anupam Gupta, Ashish Shukla, Manoj Bharti, Anupam Gupta, "A Framework for Product Review Prediction using TCSN Meta Model," Seventh International Conference on Image Information Processing (ICIIP), Solan, India, 22/23 Nov 2023.
- Vishal Jayaswal, Sharma Ji, Ashish Kumar, Varun Kumar, Ayushi Prakash, "OCR-Based Deep Learning Approach for Image Captioning," IEEE International Conference on Computing, Power, and Communication Technologies (IC2PCT), Galgotias University, 09/10 February 2024.
- Vishal Jayaswal, Sharma Ji, Satyankar, Vanshika Singh, Yuvika Singh, Vaibhav Tiwari, "Image Captioning using VGG-16 Deep Learning Model," 2nd International Conference on Disruptive Technologies (ICDT), G L Bajaj, 15/16 Mar 2024.
- Krishna Mohan Pandey, Jaishree Jain, Arpit Jain, Umesh Kumar Patel, Amrita Bhatnagar, Abhishek Jain, "Hy_PSO: Hybrid Algorithm for Lung Cancer Diagnosis and Prognosis," IEEE International Conference on Smart Devices (ICSD/2024), Uttaranchal University, 2/3 May 2024.
- Vikas, Muklit Goel, Kamna Singh, Sachin Jain, "The Impact of Machine Learning-Based Framework on Network Traffic Performance in Mobile Ad Hoc Networks," 11th International Conference on Reliability, Infocom Technologies, and Optimization (Trends and Future Directions) (ICRITO), Amity University, Noida, India, 14/15 March 2024.
- Pushkal Shukla, Sandeep Yadav, Manisha Rai, Gambir Singh, Surendra Kumar, "A Systematic Review and Critical Evaluation of the Available Research on Artificial Intelligence Approaches for Asthma," International Conference on Artificial Intelligence and Information Technologies (ICAIIIT 2023), Samarkand State University, Uzbekistan, 03/04 November 2023.

- Ashish Kumar, Dhanshri Parihar, Gunjan Saxena, Prabhat Kumar, "Enhancing Social Media Advertising with Machine Learning by Predicting User Click Behavior," 3rd International Conference on Advanced Communication and Intelligent System (ICACIS/2024), JNU, New Delhi, 16/17 May 2024.
- Rekha Baghel, Ela Kumar, "Enhancing Breast Cancer Diagnosis: Stacked Neural Networks for Reducing Data Imbalance," 2nd International Conference on Disruptive Technologies (ICDT), GL BAJAJ, Greater Noida, 15/16 March 2024.
- Rekha Baghel, Kanika Singhal, "Frequent Concepts-Based Document Clustering Algorithm using Correlation," 1st International Conference on Artificial Intelligence and Data Science Applications, Indraprastha Engineering College, Ghaziabad, 22/23 Sep 2023.
- Santosh Kumar Upadhyay, Priyanshi Kushwaha, Prakhar Garg, "A Machine Learning Approach for Predicting Crop Yield in Precision Agriculture," International Conference on Automation and Computation (AUTOCOM), Graphic Era Hill University, Dehradun, 14/16 March 2024.
- Santosh Kumar Upadhyay, Vikas, "Intelligent Crop Recommendation using Machine Learning," 2024 International Conference on Automation and Computation (AUTOCOM), Graphic Era Hill University, Dehradun, 14/16 March 2024.
- Santosh Kumar Upadhyay, Sarita Yadav, "Review Paper On Brain Tumor Detection Using Advanced Machine Learning," International Conference on Emerging Technology (INCET), Jain College of Engineering, Belagavi, India, 24/26 May 2024.
- Harsh Mavi, Santosh Kumar Upadhyay, Nittyansh Srivastava, Rakshita Sharma, Rashmi Bhargava, "Crop Recommendation System Based on Soil Quality and Environmental Factors using Machine Learning," International Conference on Emerging Innovations and Advanced Computing (INNOCOMP), Novel Research Foundation, Ethnic India Resort, Rai, Sonipat, Delhi/NCR, 25/26 May 2024, IEEE, Scopus.
- Santosh Kumar Upadhyay, Raghuraj Singh, Ashish Kumar, Neeraj Sagar, "Rice Leaves Disease Detection Mechanism using VGG16 Deep Learning Architecture," 2nd International Conference on Innovations in Data Analytics (ICIDA2023), West Bengal, India, 29/30 November 2023.
- Jaishree Jain, Santosh Kumar Upadhyay, Sanjib Kumar Nayak, "Analyzing the Effectiveness of Machine Learning Algorithms in Detecting Fake News," International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI/2024), Institute of Management and Information Technology, Cuttack, 23/24 March 2024.
- Vishal Jayaswal, Sharma Ji, Ashish Kumar, Varun Kumar, Ayushi Prakash, Varun Kumar, "OCR-Based Deep Learning Approach for Image Captioning," IEEE International Conference on Computing, Power, and Communication Technologies (IC2PCT), Galgotias University, 09/10 February 2024.
- Varun Kumar, Y. N. Prajapati, S. Tomar, P. Singh, A. Gupta, N. Arora, "A New Approach Of Machine Learning And Deep Learning Algorithms Based Crop Yield Prediction", International Conference on Quantum Technologies Communications, computing, hardware and Embedded system (ICSTSN/2023), 15/16 September 2023.
- Varun kumar, Ishan Budhiraja, Rajat Chaudhary, Akansha Singh, Srinivas Aluvala, "Energy Efficient THz NOMA/enabled small cells underlaying Macrocell using enforcement Learning", 17th IEEE international conference on Advance Networks and Telecommunications systems, MNIT Jaipur, India, 17/20 December 2023
- Divya Singh, Sonam Gupta, Rekha Baghel, "Hate Speech Detection Using Machine Learning and Deep Learning Techniques", 5th International Conference, MIND 2023, Hamirpur, India, MIND, Hamirpur, India, 21/22 December 2023.

- Harnit Saini, Faz Mohammad, Manoj Kumar Singh, Kapil Kumar Sharma, Meenu Shukla, Ramendra Singh, "Machine Learning based Real/time protection against Cyber/Physical Threat Mitigation", 4th International Conference on Advance Computing And Innovative Technologies In Engineering, Galgotias College of Engineering And Technology, Greater Noida, 14/15 May 2024
- Naresh, Sachin, Suresh, Vishal, "Federated Learning Empowered Breast Cancer detection in Images: A YOLO and ResNet/50 Fusion Approach", International Conference On Computational Intelligence and Computing Applications, Panipat Institute of Engineering and Technology (PIET), Samalkha, Haryana 23/24 May 2024
- Deepak, Sonam Gupta ,Pradeep Gupta, "Plant Disease Recognition Using Machine Learning and Deep Learning Classifiers", IACC 2023, Kolhapur, India, 15/16 December 2023.
- Prashant Tripathi, Prakhyat Bhartia, Rajveer Singh, Parichit Aggarwal, Sonam Gupta, Rekha Baghel, Charu Agarwal, "Bridging the Digital Gap: A Web / Based Inventory Management System Tailored for SMEs", 5th Doctoral Symposium of Computational Intelligence (DoSCI/2024), International Institute of Engineering and Technology Lucknow, 10/11 May 2024
- Manish Kumar,SandeepYadav,ArpitJain,Anita Singh, "Smog restoration of a image using oblique gradient profile", 4th International Conference on innovation in IOT,Robotics and Automation(2024), MIT,Moradabad, 15/16 March 2024.
- Pushkal Shukla, Sandeep Yadav, Manisha Rai, Gambir Singh, Surendra Kumar, "A Systematic review and critical evaluation of the available research on artificial intelligence approaches for asthma", International Conference on Artificial Intelligence and Information Technologies(ICAIIT 2023), Uzbekistan, 03/04 November2023
- Sunil Kr,Sandeep Yadav,Shreyansh,Shivam,Tushar, "Autotrack:Enhancing attendance management in educational institutions through automated tracking and recognition technologies", Interntional Conference on on intelligent computing and communication techniques(ICICCT/2024), JNU, 28/29 June 2024
- Aashi,SandeepYadav,Anjali,Avinash,Arpit, "Agrosphere:Advances in Technology driving market dynamics and agricultural sector", International Conference on intelligent computing and communication techniques(ICICCT/2024), JNU, 28/29 June 2024
- Nishant Kr Pathak, Pushkal Shukla, Sandeep Yadav, "Bidirectional gravity oriented Search optimization protocol for wireless sensor network", Interntional Conference on reliability,Infocom technologies &Optimization(ICRITO 2024), Amity University, Noida, 14/15 March 2024
- Pushkal Shukla, Sandeep Yadav, Manisha Rai, Gambir Singh, Surendra Kumar, "A Systematic review and critical evaluation of the available research on artificial intelligence approaches for asthma, International Conference on Artificial Intelligence and Information Technologies(ICAIIT 2023), Samarkand State University, Uzbekistan, 03 November2023
- Anuj Kumar, KK Agrawal, "Exploring the Cut/Off Between Energy Balance and Delay in In/Network Data Aggregation (I/NDA) for Wireless Sensor Networks", 2nd International Conference on Disruptive Technologies (ICDT)
- Devadutta Indoria, PB Narendra Kiran, Anuj Kumar, Manjusha Goel, Nitin Arvind Shelke, Jagendra Singh, "Artificial Intelligence and Machine Learning in Human Resource Management and Market Research for Enhanced Effectiveness and Organizational Benefits", International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), 2024
- Rashmi Singh, Mukulit Goel, Pankaj Bahuguna, Anuj Kumar, Sachin Jain, "Examining the Impact of Machine Learning on Streamlining Data Analysis in Real/Time", 2nd International Conference on Disruptive Technologies (ICDT), 2024.
- Anuj Kumar, Anishkha Chaudhary, Anjani Singhal, Abhinav Dev, Arpit Jaiswal, "Gesture and Voice Controlled Virtual Mouse: A Review", 2nd International Conference on Disruptive Technologies (ICDT),2024

- Yogendra Narayan Prajapati, Swati Tomar, Pancham Singh, Anurag Gupta, Varun Kumar, Neerja Arora, "A New Approach of Machine Learning And Deep Learning Algorithms Based Crop Yield Prediction", International Conference on Quantum Technologies, Communications, Computing, Hardware and Embedded Systems Security (iQ/CCHES), Kottayam, India, 15/16 September 2023
- Ashish Kumar, Dhanshri Parihar, Gunjan Saxena, Prabhat Kumar, "Enhancing Social Media Advertising with Machine Learning by Predicting User Click Behavior", 3rd International Conference on Advanced Communication and Intelligent System (ICACIS/2024), JNU, New Delhi, 16/17 May 2024.
- Ashish Dixit, Samender Singh, Manoj Kumar, "Unobtrusive Watermarking for Copyright Preservation and Authenticity Verification in Digital Images Using Hybrid HVS/Based Technique", 2nd International Conference on Disruptive Technologies (ICDT), G.L BAJAJ, Greater Noida, India, 15/16 March 2024
- Ashish Dixit, Samender Singh, Manoj Kumar, "Revolutionizing Tuberculosis Diagnosis: Advancements in Deep Convolutional Neural Networks for Chest X-Ray Analysis", 2nd International conference on Advancement in Electronics & Communication Engineering (AECE/2022), Raj Kumar Goel Institute of technology, 23/24 November 2023
- M. Z. Shaikh, Samender Singh, Neeraj Varshney, Birendra Kumar Saraswat, "Deep Learning/Based Self/Supervised Transfer Learning for Medical Image Classification", 2nd International conference in Disruptive Technologies, G.L BAJAJ, Greater Noida, India
- Samender Singh, Lalit Kishore, Arti Badhoutiya, Pramod Kumar Sagar, Laxmi Saraswat, "Application of 3D Magnetic Resonance Imaging in the Characterization of Brain Tumors", 2nd International conference in Disruptive Technologies, G.L BAJAJ
- P. Singh, N. Pahuja, M. Kansal, S. Gurung, U. Shukla and S. Gupta, "Enhancing Tourism Experiences and Preserving Cultural Heritage with AR and VR", 2nd International Conference on Disruptive Technologies (ICDT), Greater Noida, India.
- Ritika Dhyani, Nikita Manne, Jyoti Garg, Deepak Motwani, Ashok Shrivastava, Meenakshi Sharma, "A Smart Irrigation System powered by IOT and Machine Learning for optimal Water Management", 4th International Conference on advance Computing and Innovative Technologies in Engineering (ICACITE), Noida, 14/15 May 2024
- Rupa Rani, Adnan Alam, Abdul Javed, "Secure UPI: Machine Learning/Driven Fraud Detection System for UPI Transactions", 2nd International Conference on Disruptive Technologies (ICDT), G.L BAJAJ, Greater Noida, India, 15/16 March 2024
- Vansheta Sharma, Rupa Rani, Priya Pathak, Sudeshna Chakraborty, "Epidermis Bruise Analysis Using Deep Learning", Sixth International Conference on Computational Intelligence and Communication Technologies (CCICT), BMIET, Sonapat, India, 19/20 April 2024.
- Rupa Rani, Kuldeep Kumar Yogi, Satya Prakash Yadav, "Tech Innovations & Dataset Analysis to Combat Fake Accounts in Digital Communities", 2nd International Conference on Disruptive Technologies (ICDT), G.L BAJAJ, Greater Noida, India 15/16 March 2024
- Shweta Varshney, Rupa Rani, Tanya Gaur, Shivansh Choudhary, "Activity Based Travel Demanding Model Using Apache Kafka and Spark", 2nd International Conference on Disruptive Technologies (ICDT), G.L BAJAJ, Greater Noida, India, 15/16 March 2024
- Mahima Saxena, P. Eswara Rao, Amar Choudhary, P. Srinivas Reddy, Vipin Kumar Sharma, Vinish Kumar, "Machine learning based optimization for identifying effective drugs in breast cancer on an in vitro", 4th International Conference on advance Computing and Innovative Technologies in Engineering (ICACITE), Galgotias College of Engineering & Technologies, Greater Noida, 14/15 May 2024

- Bihari Pandey, Mahima Shanker Pandey, An Identification Technique for Diseases of Medicinal Plants, 7th International Conference on Contemporary Computing and Informatics (IC3I/2024), Amity University, Greater Noida, 18/19 Sep 2024
- Rashmi Sharma, "TagTrackr: A Smart Asset Tracking Solution," 5th International Conference on Entrepreneurship, Innovation and Leadership (ICEIL/2023).
- Rashmi Sharma, "SafeMeds: Electronic Health Records Using Blockchain," 5th International Conference on Entrepreneurship, Innovation and Leadership (ICEIL/2023).
- Ruchi Gupta, Anupama Sharma "Advancements in Brain Tumor Detection: A Comprehensive Survey of Machine Learning Techniques for Human Diagnosis," International Conference on Research in Engineering Applications on Multidisciplinary Sectors/2023.
- Veena Bharti, "Sustainable Security Practices Using Blockchain for Next Era Techniques in Real-Life Applications," International Conference on Artificial Intelligence and its Application (ICAIA / 2023).
- Shikha Agarwal, Aarti Chaudhary, Veena Bharti, Shivam Umrao "Shoe Extension Using Ultrasonic Sensor and Gyroscope for Blinds," Advances in AI for Biomedical Instrumentation, Electronics and Computing (ICABEC / 2023).
- Shikha Agarwal, "Blockchain in Education: A Revolutionary Paradigm for Enhanced Security and Transparency," Advances in AI for Biomedical Instrumentation, Electronics and Computing (ICABEC / 2023).
- Akanksha Sukla, "Disease Diagnosis with Instant First Aid and Medicine Recommender," Advances in AI for Biomedical Instrumentation, Electronics and Computing (ICABEC / 2023).
- Mrignainy Kansal, "A Comprehensive Analysis of AI's Influence on Human Society: A Systematic Survey," International Conference on Research in Engineering Applications on Multidisciplinary Sectors/2023.
- Pancham Singh, "Predicting Health Insurance Claims Using Machine Learning-Based Framework," International Conference on Research in Engineering Applications on Multidisciplinary Sectors/2023.
- Pancham Singh, "An AI and ML-Enhanced Approach with IoT for Pothole Detection to Ensure Pedestrian Safety During Flooding," 4th International Conference on Advances and Applications of Artificial Intelligence & Machine Learning.
- Ruchi Gupta, Tanweer Alam., "An Efficient Federated Learning-Based Intrusion Detection System Using LS2DNN with PBKA-Based Lightweight Privacy Preservation in Cloud Server," Multimedia Tools and Applications, vol. 83, no. 15, 2024.
- Amrita Jyoti., Rashmi Sharma, Pooja Singh, Harsh Khatter, Rashmi Mishra, "Enhancing Network Efficiency and Extending Lifetime Through Delay Optimization and Energy Balancing Techniques," Wireless Personal Communications, vol. 133, no. 2, pp. 1199–1241, 2023
- Manish Bhardwaj, Shweta Singh, Shivali Tyagi, Arun Tripathi, A., Yu Chen Hu, Rajesh kumar Tewari, Anupama Sharma, "A Novel Architecture for the Smart Pedestrian Crossing in Cities Using IoT Based Approach," Mathematical Problems in Engineering, vol. 2023, no. 1, p. 7334013, 2023.
- Atul Kumar Rai, Shivani Agarwal, Sachi Gupta, Gaurav Agarwal, "An Effective Fuzzy Based Segmentation and Twin Attention Based Convolutional Gated Recurrent Network for Skin Cancer Detection," Multimedia Tools and Applications, vol. 83, no. 17, pp. 52113–52140, 2024.
- Gopal Babu, Santosh Satya, "Understanding the Inherent Interconnectedness and Other Salient Characteristics of Nature Crucial for Sustainability," Environment, Development and Sustainability, vol. 26, no. 1, pp. 2493–2505, 2024
- Anil Kumar, "Twitter Data Sentiment Analysis for Stock Market Prediction Using Machine Learning," International Journal of Engineering Applied Sciences and Technology.

- Sachi Gupta, Gaurav Agarwal, Shivani Agarwal, Dilkeshwar Pandey, "Depression Detection Using Cascaded Attention-Based Deep Learning Framework Using Speech Data," *Multimedia Tools and Applications*, vol. 1, pp. 39, 2024.
- Pancham Singh, Mrignainy Kansal, Rajeev Singh, Sushil Kumar, Chelsi Sen, "A Hybrid Approach Based on Haar Cascade, Softmax, and CNN for Human Face Recognition: A Hybrid Approach for Human Face Recognition," *Journal of Scientific & Industrial Research (JSIR)*, vol. 83, no. 4, pp. 414–423, 2024.
- Rashmi Sharma, Siddharth Srivastava, Ajay Kumar Gaur, Shubham Chaurasiya, "Solana, Avalanche, and NEAR Protocol: The Next Generation of Blockchain Platforms," *European Chemical Bulletin*.
- Shivani Agarwal, "Applying Machine Learning to Explore Autism Spectrum Disorders (ASD), a Cognitive Condition Arising from Brain Variations," *Journal of Xidian University*.
- Tahira Mazumder, B. V. R. Reddy, Ashish Payal, "Multi-objective Energy Centric Remora Optimization Algorithm for Wireless Sensor Network," *International Conference On Innovative Computing and Communication*, Singapore: Springer Nature Singapore, pp. 445–454, 2023, February.
- Mrignainy Kansal, M., Pancham Singh, Sachin Kumar, Ritu Sibal, "Predicting Stock Market Price Over the Years by Utilizing Machine Learning Algorithms," *Artificial Intelligence, Blockchain, Computing, and Security Volume 1*, CRC Press, pp. 72–78, 2023.
- Shobha Tyagi, Anupama Sharma, Neha Batra, Pronika Chawla, Pinki Sagar, Neha Tyagi, "Study and Identification Analysis of Health and Diseases of Medicinal and Aromatic Plants Through Machine Learning Using Random Forest and Convolutional Neural Networks," *2023 3rd International Conference on Advancement in Electronics & Communication Engineering (AECE)*, IEEE, pp. 191–194, 2023, November.
- Milli Srivastava, Hitesh Kansal, Aditi Gautam, "A review: Map/reduce (Hadoop) based data clustering for big data," *Artificial Intelligence, Blockchain, Computing and Security*, vol. 1, pp. 874–878, 2024.
- Pancham Singh, M. Pant, Mrignainy Kansal, Janmejay Singh, Gaurav Singh, and Sheradha Jauhari, "Cybersecurity in the Age of Blockchain," in *2023 International Conference on Quantum Technologies, Communications, Computing, Hardware and Embedded Systems Security (iQ/CCHES)*, Kottayam, India, 2023, pp. 1–6.
- Mrignainy Kansal, K. Tanwar, A. K. Pandey, V. Kumar, Pancham Singh, and S. Upadhyay, "Implementing Market Basket Analysis Using Eclat and Apriori Algorithm On Grocery Product Marketing Strategy," in *2023 3rd International Conference on Advancement in Electronics & Communication Engineering (AECE)*, 2023, pp. 465–469.
- Mrignainy Kansal, Pancham Singh, Ashish Soharia, Anya Tripathi, Ankit Yadav, and Chelsi Sen, "A Brief Survey on Metaverse: Its Concepts, Applications and Challenges," in *2023 3rd International Conference on Advancement in Electronics & Communication Engineering (AECE)*, 2023, pp. 470–475.
- L. Sharma, Shivani Agarwal, D. Singhal, Aditi Gupta, A. Chaudhary, "Maximise Yield of Crop using Recommendation system based on Machine learning," in *2024 International Conference on Automation and Computation (AUTOCOM)*, 2024, pp. 376–382.
- Pancham Singh, Mrignainy Kansal, J. Singh, G. Singh, A. K. Verma, and D. Manchanda, "Blockchain Based Lottery System," in *2024 2nd International Conference on Disruptive Technologies (ICDT)*, 2024, pp. 153–158.
- Mrignainy Kansal, Pancham Singh, Prateek Chaurasia, Anubhav Dwivedi, Shabaaz Ali, "Blockchain/Powered Food Supply Chain Tracking: A Paradigm Shift for Transparency, Accountability, and Quality Assurance Through BlockTrackers," in *2024 2nd International Conference on Disruptive Technologies (ICDT)*, 2024, pp. 194–200.
- Yogendra Narayan Prajapati, Swati Tomar, Pancham Singh, Anuraag Gupta, Varun Kumar, Neeraj Arora, "A New Approach of Machine Learning And Deep Learning Algorithms Based Crop Yield Prediction," in *2023 International Conference on Quantum Technologies, Communications, Computing, Hardware and Embedded Systems Security (iQ/CCHES)*, 2023, pp. 1–4.

- Shashank Garg, "Estimation of green building over conventional building," International Journal of Scientific Research in Engineering and Management, 2024.
- K. P. S. Chauhan, P. Yadav, K. Singh, P. Thakur, A. Mishra, and Aanchal Negi, "Experimental studies on pervious concrete," International Journal of Scientific Research in Engineering and Management, 2024.
- Ankit Sharma, Anshul Bharadwaj, Divymudra, Shubham Singh, Tushar Singh, Avantika Saini, Nikita Jaiswal, Pradeep Jain, "Design and fabrication of civil 3D printer," International Journal of Scientific Research in Engineering and Management, vol. 7, no. 6, pp. 1-12, 2024.
- Prashant Agarwal, Tushar Singh, Tanishk Choudhary, Rajat Verma, Satvik Singh, Vivek Kaul, "Geometric design of road remotely using Civil 3D," International Research Journal of Modernization in Engineering, Technology and Science, vol. 5, no. 6, pp. 4536-4541, 2023.
- S. K. Shukla, V. Verma, M. Singh, P. Singh, V. Shishodia, A. Aggarwal, A. Gupta, and R. Srivastava, "Design and seismic analysis of overhead water tank," International Journal of Scientific Research in Engineering and Management, vol. 7, no. 7, pp. 1-10, 2024.
- Prashant Agarwal, Shubham Tiwari, Hardik Kumar, Samir Raj, Vikas Chaudhary, Sudhanshu Singh, Shiv Sevak, "Topographical surveying using Total Station in Civil 3D," International Research Journal of Modernization in Engineering, Technology and Science, vol. 6, no. 5, 2024.
- Vidhan Yadav, Kartik Mittal, Yatendra Singh, Shashikant Yadav, Mohd. Faizan, Mr. Priyank Srivastava, Dr. Rakesh Srivastava, "Innovative soil stabilization: Harnessing waste materials for sustainable development," International Journal of Scientific Research in Engineering and Management, vol. 7, no. 6, 2024.
- Sanjay Sharma, Anand Tyagi, B.B. Verma, Sachin Kumar, "Effect of Rented Warehouses for Deteriorating Items Under Stock Dependent Demand, Partial Backlogging," International Journal of Computational and Applied Mathematics & Computer Science, vol. 3, 2023,
- Nitin Kumar Sharma, Sachin Kumar, Pradeep Kumar Yadav, Ekata, "Enhancing infrastructure sustainability: reliability and sensitivity analysis of localized integrated renewable energy systems using feed forward backpropagation neural network," International Journal of Advanced Technology and Engineering Exploration, 2024.
- Bandana Sharma Munish Kumar Yadav, "Computational, experimental spectral analysis and structural parameters of 4,5/dimethyl/2/nitro aniline," Rasayan Journal of Chemistry, 2024.
- Dharmendra Kumar, Parul Verma, Malvika Chaudhary, Sajid Ali, Ashutosh Singh, "Synthesis and characterization of energy/efficient Mq₂ (M= Zn, and Pb) organometallic complexes for OLED display applications: Illuminating the future of visual technology," Journal of Molecular Structure, 2024.
- Nitin Srivastava, Lavish Kumar Singh, Manoj Kumar Yadav, "Numerical and experimental investigation of the mechanical properties of MWCNT/RHA reinforced AlP0507/based hybrid aluminum metal matrix composites," Cogent Engineering, vol. 11, no. 1, 2024.
- Nitin Srivastava, Lavish Kumar Singh, Manoj Kumar Yadav, "Utilization of ANN for the Prediction of Mechanical Properties in AlP0507/MWCNT/RHA Composites," Metals and Materials International, 2024.
- Manoj Kumar Yadav, Kumud Arora, Sudhir Kumar, Ajay Kumar, "Micro/hardness evaluation of the bobbin tool/friction stir welded AA6063 using regression/based machine learning," Materials Letters, vol. 349, p. 134751, 2024.
- Manoj Kumar Yadav, "Optimization of Stir casting process parameters on mechanical properties of MWCNT and RHA reinforced AlP0507 composites through Taguchi technique," presented at the International Conference on Aspects of Materials and Mechanical Engineering, GLA University, Mathura, Oct. 13-14, 2023.

- Ankul Lohiya, Gagan Preet Kaur, Gaurav Srivastava, Manoj Kumar Yadav, "Investigation of Robotic Deburring for Enhanced Surface Quality Using Force/Torque Sensor," presented at the International Conference on Intelligence and Safety for Robotics, Society of Education, Ludhiana, Sep. 23, 2023.
- Suvarna Mujumdar, Neelofer Afzal, Sajad A Loan "Design and analysis of 4-bit low/power, high/performance current steering DAC implemented using CNT/GDI logic," AEU - International Journal of Electronics and Communications, vol. 173, 2024.
- Suman Gothwal, Alok Vardhan, Ashwani Kumar, Pradeep Jain, "Recent Trends in 4th Industrial Revolution for A Sustainable Future–A Review," presented at the Machining and Additive Manufacturing, CPIE 2023, Lecture Notes in Mechanical Engineering, Springer, Oct. 2023.
- Piyush Pandey, Dinanath Prasad, "Power Quality Enhancement using S.R.F Based Control Technique for Grid Connected SPV system," presented at the Smart and Innovative Development in Science, Engineering and Technology (SIDSET'23), Aug. 16-18, 2023.
- Piyush Pandey, Dinanath Prasad, "Power Quality Enhancement using S.R.F Based Control Technique for Grid Connected, "A Review on Issues in Increasing Power Quality Using Different Control Techniques," presented at the Smart and Innovative Development in Science, Engineering and Technology (SIDSET'23), Aug. 16-18, 2023.
- Dinanath Prasad, Piyush Pandey, "Modified Damped SOGI Based Controller for Grid Interfaced Solar System with Multifunctional Capabilities," published in Electrical Vehicle Propulsion Drives and Charging Systems, 2024.
- Dinanath Prasad, "Adaptive fourth-order based controller for grid-interfaced three-phase solar PV system for power quality enrichment," presented at the SPRINGER Nature International Conference, SIGMAA 2023.
- Arshad Noor Siddhiquee, Namrata Gangil, Noor Zaman Khan, Dhruv Bajaj "Autogenous Dissimilar Welding of Copper to Stainless Steel via Electron Beam Welding: A Novel Strategy for Achieving Defect-Free Joints," Metallurgical and Materials TransactionsA, vol. 55, pp. 635-651, 2024, Impact Factor: 2.8.

Book Chapters Published by Faculty Members

- Bhartendu Chaturvedi, Jitendra Mohan, Jitender, "A Novel Digitally Controllable Variant of Extra/X Second Generation Current Conveyor and Its Filter Application Suitable for Biomedical Signal Processing," in Opto/VLSI Devices and Circuits for Biomedical and Healthcare Applications, 1st ed., Boca Raton, FL, USA: CRC Press, 2023.
- Gaurav Saxena, Harshit Srivastava, Ishan Vishwakarma, Dipanshu Yadav, "High Isolation Low RCS Tunable Wide Band Graphene-Based THz MIMO Antenna with 6G IoT Application," in High Isolation Low RCS Tunable Wide Band Graphene-Based THz MIMO Antenna with 6G IoT Application, 1st ed., Boca Raton, FL, USA: CRC Press, 2024.
- Rahul Kumar Pandey, Deepak Kumar, Rudraman, "Matrices, Trigonometry and Differential Calculus", Lucknow, India: Thakur Publication Pvt. Ltd., 2023.
- Sugandha Gupta, Preeti Singh, Parul Verma, Malvika Chaudhary, "Fundamental of Hydrogels and Nanocomposite Hydrogels: Synthesis, Physiochemical Characterization, and Biomedical Applications," in Emerging Paradigms and Challenges in Multidiscipline Education and Research, 1st ed., 2023.
- Meenakshi Shrivastava, "Emerging Paradigms and Challenges in Multidiscipline Education and Research", 2023.
- Monika Agarwal, "Dimension of Innovation and Technology in Rising India," in Spiritual Intelligence as a Significant Dimension of Human Intelligence in Education, 1st ed., 2024.

- S. Kumar, D. Pandey, S. Kumar, A. Dwivedi, A. K. Mishra, M. S. Chauhan, "Predictive Modeling of Supply Chain Disruptions in the COVID-19 Pandemic Using Advanced Machine Learning Approaches," in *AI and Machine Learning Impacts in Intelligent Supply Chain*, B. Pandey, U. Kanike, A. George, and D. Pandey, Eds., IGI Global, 2024, pp. 124-136.
- A. Bhatia, A. Kumar, P. Bhatia, "Data Privacy and E-Consent in the Public Sector," in *The Ethical Frontier of AI and Data Analysis*, R. Kumar, A. Joshi, H. Sharan, S. Peng, and C. Dudhagara, Eds., IGI Global, 2024, pp. 118-137.
- Vipin Kumar, Chelsi Sen, Arpit Jain, Abhishek Jain, Anu Sharma, "Analysis of Business Intelligence in Healthcare Using Machine Learning," 2024.
- Vishal Dalal, Shikha Agarwal, Aarti Chaudhary, "Advancement in Facial Recognition: Unlocking the Future of Identification," in *Futuristic Trends in Network & Communication Technologies*, vol. 3, book 2, IIP Series, May 2024, pp. 385-393.
- Vinay Pathak, Achintya Pandey, Rajat Varshney, "Secure and Early Detection Framework for COVID-19: Standardization of Clinical Process," 2023.
- A. K. Rai, "Optimizing Solar Energy Harvest: Performance Evaluation of MPPT Strategies in MATLAB/Simulink," in *Green Energy Technologies and AI for Sustainable Development*, CRC Press.
- Vani Bhargava, "Optimizing Solar Energy Harvest: Performance Evaluation of MPPT Strategies in MATLAB/Simulink," in *Green Energy Technologies and AI for Sustainable Development*, CRC Press.
- Vani Bhargava, "Empowering Sustainable Agriculture through Off-Grid Solar Water Pumping Systems for Small Scale Farming," in *Green Energy Technologies and AI for Sustainable Development*, CRC Press.
- Mrignainy Kansal, Pancham Singh, P. Srivastava, R. Singhal, N. Deep, A. Singh, "Mental Health Monitoring in the Digital Age: A Comprehensive Analysis," in *Future of AI in Medical Imaging*, A. Sharma, N. Chanderwal, S. Tyagi, and P. Upadhyay, Eds., IGI Global, 2024, pp. 168-183.
- Pancham Singh, Mrignainy Kansal, A. P. Singh, A. Verma, S. Tyagi, A. V. Singh, "Real-Time Symptomatic Disease Predictor Using Multi-Layer Perceptron," in *Future of AI in Medical Imaging*, A. Sharma, N. Chanderwal, S. Tyagi, and P. Upadhyay, Eds., IGI Global, 2024, pp. 155-167.
- Pancham Singh, Mrignainy Kansal, S. Lahiri, H. Vishnoi, L. Mittal, "A Transparency System for ICU Using Machine Learning and AI," in *Enhancing Medical Imaging with Emerging Technologies*, A. Sharma, N. Chanderwal, S. Tyagi, P. Upadhyay, and A. Tyagi, Eds., IGI Global, 2024, pp. 51-69.
- R. Sharma, C. Pawar, P. Sharma, A. Malik, "Predictive Algorithms for Smart Agriculture," in *Data Analytics and Machine Learning*, P. Singh, A. R. Mishra, and P. Garg, Eds., *Studies in Big Data*, vol. 145, Springer, Singapore, 2024.
- Rajeev Gupta, Anupama Sharma, Tanweer Alam, "Building Predictive Models with Machine Learning," in *Data Analytics and Machine Learning*, P. Singh, A. R. Mishra, and P. Garg, Eds., *Studies in Big Data*, vol. 145, Springer, Singapore, 2024.
- Amit Wadhwa, Neerja Arora, Ankit Garg, "Cloud-Based Secure Framework for Service Authentication and Access Control in Smart Cities Architecture Employing IoE," in *Intelligent Systems for IoE-Based Smart Cities*, 2023.
- Anuj Kumar Singh, Shashi Bhushan, Ashish Kumar, "A New Framework for Distributed Clustering-Based Data Aggregation in WSN," in *Artificial Intelligence, Blockchain, Computing and Security*, vol. 1, CRC Press, 2023.
- Santosh Kumar Upadhyay, Avadhesh Kumar, "Automatic Recognition and Classification of Tomato Leaf Diseases Using Transfer Learning Model," in *Future Farming: Advancing Agriculture with Artificial Intelligence*, vol. 1, 2023.
- Sachin Jain, Preeti Jaidka, "Lung Cancer Classification Using Deep Learning Hybrid Model," in *Future of AI in Medical Imaging*, A. K. Sharma, et al., Eds., IGI Global, 2024, pp. 207-223.

- Ayushi Prakash, S. Avasthi, K. Agarwal, M. Hussain, “Modern Healthcare Systems: Unveiling the Possibility of AIoT for Remote Patient Monitoring,” in *Developments Towards Next Generation Intelligent Systems for Sustainable Development*, vol. 1, IGI Global, 2024, pp. 180-203.
- Dharmendra. Kumar, H. Sharma, Ayushi Prakash, M. Husain, “Cloud Computing for IoT Sensing Data,” in *Technological Advancements in Data Processing for Next Generation Intelligent Systems*, S. Sharma, A. Prakash, and V. Sugumaran, Eds., IGI Global, 2024, pp. 1-23.
- Vishal Jayaswal, Rajneesh Rani, Jagdeep Kaur, “A Deep Learning-Based Efficient Image Captioning Approach for Hindi Language,” in *Developments Towards Next Generation Intelligent Systems for Sustainable Development*, S. Sharma, A. Prakash, and V. Sugumaran, Eds., IGI Global, 2024, pp. 225-246.
- Updesh Kumar Jaiswal, Amarjeet Prajapati, “Test Data Generation for Branch Coverage in Software Structural Testing Based on TLBO,” in *Advancing Software Engineering Through AI, Federated Learning, and Large Language Models*, Anuradha Sharma, Nitin Chanderwal, Amarjeet Prajapati, Pradeep Singh, and Mohit Kansal, Eds. Hershey, PA, USA: IGI Global, 2024, pp. 249–261.
- Shivani Agarwal, Avdhesh Gupta, Vishan Kumar Gupta, “Analysis of Pulmonary Fibrosis Progression Using Machine Learning Approaches,” *Cybersecurity and Evolutionary Data Engineering*, vol. 1073, 2023.
- Sachin Jain, Preeti Jaidka, Vishal Jain, “Performance Measurement of Various Machine Learning Algorithms to Predict Loan Approval,” in *Using Strategy Analytics for Business Value Creation and Competitive Advantage*, Sunil Kautish, Ed. Hershey, PA, USA: IGI Global, 2024, pp. 207–219.
- Kamal Kumar Mittal, “3D Technology Printing: A Review,” in *Challenges and Opportunities in Industrial and Mechanical Engineering: A Progressive Research Outlook*, CRC Press, 2024.

Research Publications by Students

- Kshitij, M. A. Fakhar, Neelesh Kumar Gupta, “Performance Enhancement Using Hybrid VTOL UAV,” in *Proc. 1st Int. Conf. Sustainable Emerging Innovations in Engineering & Technology (ICSEIET/2023)*, IEEE, Ghaziabad, India, Sept. 14–15, 2023.
- Ashutosh Pandey, Kousik Midya, Divya Sharma, Seema Garg, “Nanoscale Multi-Gate Graded Channel DG-MOSFET for Reduced Short Channel Effects,” in *Proc. 7th Int. Conf. Microelectronics and Telecommunication Engineering (ICMTE/2023)*, Springer, Delhi NCR Campus, Ghaziabad, India, Sept. 22–23, 2023.
- Shobhana Lakhera, Amit Garg, “Diabetic Retinopathy Classification Using PSO-SVM Based Deep Learning Model,” in *Proc. 2023 7th Int. Conf. Image Information Processing (ICIIP/2023)*, IEEE, Shimla, Himachal Pradesh, India, Nov. 22–24, 2023.
- Sumit Sharma, Shagun Kumar, Shri Bihari Singh, Satyam Singh, Divya Sharma, “Helping Hand for Handicap (TRIPLE H),” in *Proc. 5th Int. Conf. Advances in AI for Biomedical Instrumentation Electronics & Computing (ICABEC/2023)*, Taylor & Francis, Ghaziabad, India, Dec. 22–23, 2023.
- Pankaj Kumar, Kaushal Saraf, Prakhar Nigam, Rishi Yadav, Kartik Verma, Divya Sharma, “Vending Machine for Medicine Using Automated Arm Mechanism,” in *Proc. 5th Int. Conf. Advances in AI for Biomedical Instrumentation Electronics & Computing (ICABEC/2023)*, Taylor & Francis, Ghaziabad, India, Dec. 22–23, 2023.
- Deepti Maurya Uma Sharma, “Versatile 4-Bit Signed Binary Multiplier for Complex Digital Circuits,” in *Proc. 5th Int. Conf. Advances in AI for Biomedical Instrumentation Electronics & Computing (ICABEC/2023)*, Taylor & Francis, Ghaziabad, India, Dec. 22–23, 2023.

- Harsh Singh, Ritik Singh, Sulekha Saxena, Rishabh Kumar, Mohd. Harmain, Meet Choudhary, "Automated Plant Monitoring System with WebCAM and Shadow Shelter," in Proc. 5th Int. Conf. Advances in AI for Biomedical Instrumentation Electronics & Computing (ICABEC/2023), Taylor & Francis, Ghaziabad, India, Dec. 22–23, 2023.
- Sulekha Saxena, Shobhit Singh Rawat, Yashdeep Tyagi, Yash Rajput, Suyash Kumar Srivastava, "Medical Assistance Bot: DOBO," in Proc. 5th Int. Conf. Advances in AI for Biomedical Instrumentation Electronics & Computing (ICABEC/2023), Taylor & Francis, Ghaziabad, India, Dec. 22–23, 2023.
- Priya Singh, Uma Sharma, "Ultra Low-Power Implementation of PTL-Based 1-Bit Full Adder Using CNTFET Technology," in Proc. 2nd IEEE Int. Conf. Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI/2024), IEEE, ABV-IIITM, Gwalior, M.P, India, Mar. 14–16, 2024.
- Aniruddh Vaish, Deepak Singh, Amit Garg, Ankit Rathore, Anjali Tiwari, "Classification of Diabetic Retinopathy Using Improved ResNet-50 Deep Learning Model," in Proc. 2024 3rd Int. Conf. Distributed Computing and Electrical Circuits and Electronics (ICDCECE), IEEE, Ballari, Karnataka, India, Apr. 26–27, 2024.
- Priyanshi Tyagi, Kamal Singh Bhandari, Neelesh Kumar Gupta, "AquaSense Monitoring System," in Proc. Parul University Int. Conf. Engineering and Technology (PICET/2024), IEEE, Vadodara, Gujarat, India, May 3–4, 2024.
- Aparna Bisht, Deepak Kumar Yadav, Amit Garg, Aman, Anand Pandey, "Real-Time Safety Monitoring System in Coal Mines Using IoT," in Proc. Int. Conf. Intelligent Systems for Cyber Security (ISCS/2024), IEEE, Gurugram, Haryana, India, May 3–4, 2024.
- Shobhana Lakhera, Amit Garg, "Classification of Diabetic Retinopathy Using Slime Mould Optimization-Based ResNet-18 Deep Learning Model," in Proc. 2nd Int. Conf. Smart Systems for Applications in Electrical Sciences (ICSSES/2024), IEEE, Tumkur, Karnataka, India, May 3–4, 2024.
- Sourabh Singh, Shashwat Chaurasia, Shivendra Singh, Sachin Mishra, Neha Garg, "Hybrid Power Management System," in Proc. 2nd Int. Conf. Smart Systems for Applications in Electrical Sciences (ICSSES/2024), IEEE, Tumkur, Karnataka, India, May 3–4, 2024.
- Kaushal Saraf, Pankaj Kumar, Prakhar Nigam, Rishi Yadav, Kartik Verma, and Divya Sharma, "Vending Machine for Medicine Using Automated Arm with Vacuum Mechanism," in Proc. 7th Int. Conf. Ideas, Innovations, and Impact in Science & Technology (ICIIIST/2024), SCOPUS, Pune, India, June 11–12, 2024.
- Adarsh Kumar Rai, Akshat Goyal, Aman Chaubey, Ayush Kumar Singh, Ankita Sharma, "IoT-Based Meter Theft Alert with Smart Recharge and Overload Detection System," in Proc. 2nd Int. Conf. Optimization Techniques in Engineering and Technology (ICOTET/2024), SCOPUS, Greater Noida, India, June 14–15, 2024.
- Poornima Bhardwaj, Raghav Raj Johari, Keshav Kaushlya, Prakriti Upadhyay, Ankita Sharma, "Animatronic Hand with Six Degrees of Freedom," in Proc. 2nd Int. Conf. Optimization Techniques in Engineering and Technology (ICOTET/2024), SCOPUS, Greater Noida, India, June 14–15, 2024.
- Rohit Kumar Rai, Om Krishna Gupta, "Enhanced Frequency Response of Two-Stage Amplifier Using Cascode Current Mirror and Resistor," in Proc. 6th IEEE Sponsored Int. Conf. Electrical, Computer and Communication Technologies (ICECCT/2024), IEEE, Bhilai, Chhattisgarh, India, June 26–28, 2024.
- Sonia Rajput, Karunesh Srivastava, "Multiband Microstrip-Fed Patch Antenna for C/X/Ku Band Applications," in Proc. 2nd Int. Conf. Optimization Techniques in Engineering and Technology (ICOTET/2024), SCOPUS, Greater Noida, India, June 14–15, 2024.
- Sonia Rajput, Karunesh Srivastava, "Corner Truncated Elliptical Slot Fractal Antenna for Wireless Applications," in Proc. Int. Conf. Soft Computing and Signal Processing (ICSCSP/2024), Springer, Hyderabad, India, June 21, 2024.

- Shashank Garg, A. Yadav, A. Chaurasiya, S. Mishra, R. Singh, Rahul, "Estimation of green building over conventional building," International Journal of Scientific Research in Engineering and Management, vol. 2024, 2024.
- K. P. S. Chauhan, P. Yadav, K. Singh, P. Thakur, A. Mishra, and A. Negi, "Experimental studies on pervious concrete," International Journal of Scientific Research in Engineering and Management, vol. 2024, 2024.
- A. Sharma, A. Bharadwaj, Divymudra, S. Singh, T. Singh, A. Saini, N. Jaiswal, and P. Jain, "Design and fabrication of civil 3D printer," International Journal of Scientific Research in Engineering and Management, vol. 2024, 2024.
- Prashant Agarwal, T. Singh, T. Choudhary, R. Verma, S. Singh, and V. K. Kaul, "Geometric design of road remotely using Civil 3D," International Research Journal of Modernization in Engineering, Technology, and Science, vol. 2023, 2023.
- S. K. Shukla, V. Verma, M. Singh, P. Singh, V. Shishodia, A. Aggarwal, A. Gupta, and R. Srivastava, "Design and seismic analysis of overhead water tank," International Journal of Scientific Research in Engineering and Management, vol. 2024, 2024.
- Prashant Agarwal, S. Tiwari, H. Kumar, S. Raj, V. Chaudhary, S. Singh, and S. Sevak, "Topographical surveying using Total Station in Civil 3D," International Research Journal of Modernization in Engineering, Technology, and Science, vol. 2024, 2024.
- V. Yadav, K. Mittal, Y. Singh, S. Yadav, M. Faizan, P. Srivastava, and R. Srivastava, "Innovative soil stabilization: Harnessing waste materials for sustainable development," International Journal of Scientific Research in Engineering and Management, vol. 2024, 2024.
- Pancham Singh, M. Pant, M. Kansal, J. Singh, G. Singh, and S. Jauhari, "Cybersecurity in the Age of Blockchain," in Proc. 2023 Int. Conf. Quantum Technologies, Communications, Computing, Hardware and Embedded Systems Security (iQ-CCHES), IEEE, Kottayam, India, 2023.
- Mrignainy Kansal, K. Tanwar, A. K. Pandey, V. Kumar, P. Singh, and S. Upadhyay, "Implementing Market Basket Analysis Using Eclat and Apriori Algorithm on Grocery Product Marketing Strategy," in Proc. 2023 3rd Int. Conf. Advancement in Electronics & Communication Engineering (AECE), IEEE, Nov. 2023.
- Mrignainy Kansal, P. Singh, A. Soharia, A. Tripathi, A. Yadav, and C. Sen, "A Brief Survey on Metaverse: Its Concepts, Applications, and Challenges," in Proc. 2023 3rd Int. Conf. Advancement in Electronics & Communication Engineering (AECE), IEEE, Nov. 2023.
- L. Sharma, S. Agarwal, D. Singhal, A. Gupta, and A. Chaudhary, "Maximize Yield of Crop Using Recommendation System Based on Machine Learning," in Proc. 2024 Int. Conf. Automation and Computation (AUTOCOM), IEEE, Mar. 2024.
- Pancham Singh, M. Kansal, J. Singh, G. Singh, A. K. Verma, and D. Manchanda, "Blockchain-Based Lottery System," in Proc. 2024 2nd Int. Conf. Disruptive Technologies (ICDT), IEEE, Mar. 2024.
- Mrignainy Kansal, P. Singh, P. Chaurasia, A. Dwivedi, and S. Ali, "Blockchain-Powered Food Supply Chain Tracking: A Paradigm Shift for Transparency, Accountability, and Quality Assurance Through BlockTrackers," in Proc. 2024 2nd Int. Conf. Disruptive Technologies (ICDT), IEEE, Mar. 2024.
- Pancham Singh, M. Pant, M. Kansal, J. Singh, G. Singh, and S. Jauhari, "Cybersecurity in the Age of Blockchain," in Proc. 2023 Int. Conf. Quantum Technologies, Communications, Computing, Hardware and Embedded Systems Security (iQ-CCHES), IEEE, Kottayam, India, 2023.
- Kajal Gupta and Rajesh Prasad, "Machine Learning Solution to Polycystic Ovary Syndrome: A Review," in Proc. Int. Conf. Contemporary Computing and Informatics (IC3I/2023), IEEE, Amity University, Sep. 14–16, 2023.
- Saral, Shashank Sahu, and Yogender, "Detecting Brain Tumor Using CNN," in Proc. Int. Conf. Contemporary Computing and Informatics (IC3I/2023), IEEE, Amity University, Sep. 14–16, 2023.

- Saral and Shashank Sahu, "Enhancing Brain Tumor Detection Through CNN and Data Augmentation: A Comprehensive Study," in Proc. Int. Conf. Sustainable Emerging Innovations in Engineering & Technology (ICSEIET/2023), IEEE, ABES Engineering College, Sep. 14–15, 2023.
- Anshikha and Inderjeet, "Machine Learning for Autism Spectrum Disorder Detection: A Systematic Way," in Proc. Int. Conf. Contemporary Computing and Informatics (IC3I/2023), IEEE, Amity University, Sep. 14–16, 2023.
- Kajal Gupta and Rajesh Prasad, "Polycystic Ovary Syndrome Detection Using Deep Learning," in Proc. Int. Conf. Contemporary Computing and Informatics (IC3I/2023), IEEE, Amity University, Sep. 14–16, 2023.
- Dharna Choudhary, Pradeep Gupta, and Sonam Gupta, "Early Phase Detection of Diabetes Mellitus Using Machine Learning," in Proc. Int. Adv. Comput. Conf. (IACC/2023), IEEE, SIT College of Engineering, Dec. 15–16, 2023.
- Dharna Choudhary, Pradeep Gupta, and Sonam Gupta, "Review on Diabetes Prediction Using Machine Learning," in Proc. Int. Conf. ML, Image Processing, Network Security and Data Sciences, IEEE, Dec. 21–22, 2023.
- Gunjan and Rajesh Prasad, "Phishing Email Detection Using Machine Learning: A Critical Review," in Proc. 5th Int. Conf. Computing, Power and Communication Technologies, IEEE, Galgotia University, Feb. 9–10, 2024.
- Jaishree Jain, Tanya Verma, Sameeksha Khandelwal, Vidit Jaiswal, and Abhinav Gautam, "Exploring Customer Churn Patterns in the Telecommunication Industry: A Comprehensive Analysis," in Proc. 4th Int. Conf. Nanoelectronics, Machine Learning, Internet of Things & Computing Systems (NMIC/2024), IEEE, Indian Society for VLSI Education, Ranchi, Jharkhand, Apr. 13–14, 2024.
- Deepak, Sonam Gupta, "Plant Disease Detection Using Machine Learning and Deep Learning Classifier," in Proc. Int. Adv. Comput. Conf., IEEE, SIT College of Engineering, Yadrav, Dec. 15–16, 2023.
- Deepak, Sonam Gupta, "A Review of Deep Learning Algorithms for Plant Leaf Classification and Disease Identification," in Proc. Int. Conf. Recent Advances in Engineering and Computer Applications, IEEE, LJ University, Ahmedabad, Jul. 14–15, 2023.
- Dewang Dwivedi, Arun Kumar Maurya, Ayush Gangwar, Anas Ahmad, Ayush Pratap Maurya, and Hemant Ahuja, "Performance Analysis of Solar PV System for Different Converter Configurations," in Proc. 2023 Int. Conf. Advancements & Key Challenges in Green Energy and Computing (AKGEC 2023), IEEE, 2023.
- Pankaj Madhesiya, Arun Kumar Maurya, and A. K. Rai, "Enhancing Electric Vehicle Performance: A Co-Relation Study of Key Performance Parameters," in Proc. Int. Conf. Sustainable Energy Sources, Technologies & Systems (ICSESTS 2023), IEEE, 2023.
- Pankaj Madhesiya, Arun Kumar Maurya, and A. K. Rai, "A Comprehensive Analytical Study of Electric Vehicle's Dynamics and Its Essential Parameters," in Proc. Int. Conf. Sustainable Energy Sources, Technologies & Systems (ICSESTS 2023), IEEE, 2023.
- Dewang Dwivedi, Arun Kumar Maurya, Ayush Gangwar, Anas Ahmad, Ayush Pratap Maurya, Anil K. Rai, and Hemant Ahuja, "Performance Analysis of Solar PV System Integrated with SEPIC and ZETA Converter," in Proc. 2023 Int. Conf. Advancements & Key Challenges in Green Energy and Computing (AKGEC 2023), IEEE, 2023.
- Kanak Gahlaut, Arun Kumar Maurya, and Hemant Ahuja, "Comprehensive Analysis of Different Types of Load Frequency Control Algorithms of Tie Connected Networks," in Proc. 2024 IEEE Uttar Pradesh Section Scopus Indexed 4th Int. Conf. Innovative Practices in Technology and Management, IEEE, 2024.
- Abhishek Singh, Gargi Gupta, Arun Kumar Maurya, and Aman Malik, "Designing of Two Wheeler Electric Charger for Domestic Use by Using SMPS Technology," in Proc. 2nd Int. Conf. Sustainable Computing and Smart Systems (ICSCSS 2024), IEEE, Jul. 10–11, 2024.

Patents

| Faculty Name | Title of Patent/ Design | Patent/Design Publication Number/ Patent Granted Number | Patent/ Design Published Date/ Granted Date (DD/MM/YYYY) | Status of Patent (Filed/Published/Granted) |
|---|---|--|---|--|
| Dr. Santosh Kumar Upadhyay | AI Based Smart Walking Stick for Visually Impaired | 394224/001 | 01-09-2023 | Granted |
| Mr.Sandeep Yadav | An online platform for timely access to medical care with help of real time data analysis | 202311052380 | 01-09-2023 | Published |
| Ms. Pooja Mishra, Mr. Himanshu Nagpal, Dr. Ritish Kumar, Dr. Amita Asthana | Prediction Of Academic Monitoring System In Higher Educational Institute Incorporating AI | 202311057775 A | 29-09-2023 | Published |
| Dr. Anupama Sharma Dr. Avdhesh Gupta | Passengers Safety System While Collision Of Vehicles | 202311055580 | 29-09-2023 | Published |
| Dr. Amita Asthana | Digital Finger Flexion Monitoring And Rehabilitation Device | 202341065412A | 06-10-2023 | Published |
| Dr. Ekta Pandey | Product Identification in Supply Chain Management | 202311059042 | 06-10-2023 | Published |
| Dr. Ruchira Goel Dr. Avdhesh Gupta | Smart Field Personal Monitoring System | 202311059026A | 06-10-2023 | Published |
| Ms. Harnit Saini Ms. Amrita Bhatnagar Ms. Rekha Baghel Dr. Jaishree Jain | An intelligent data guardian: AI powered data security system | 202311060642 | 13-10-2023 | Published |
| Mr. Pushkal Kumar Shukla Mr. Sandeep Yadav | IoT based academic activity tracking in organization in accordance with national education guideline | 202311063550 | 13-10-2023 | Published |
| Ms. Kamna Singh | Novel approach to streamline classroom teaching & optimize working hours as per NEP 2020 incorporating AI | 202311063548 | 13-10-2023 | Published |
| Dr. Jaishree Jain | AI based hybrid leg | 398175/001 | 20-10-2023 | Granted |
| Ms. Rekha Baghel | An iot/driven solution for recruitment and manpower management and method there of | 202311050845 | 25-10-2023 | Published |
| Ms. Shikha Agarwal | Block chain Based Credential Verification For Education | 202311073611A | 24-11-2023 | Published |
| Ms. Shikha Agarwal | IOT Enabled Smart Farming Cutting System For Precision Crop Harvesting | 202311069264A | 24-11-2023 | Published |
| Mr. Ashish Kumar | An IOT Based System For Monitoring Malaria In a Patient | 202311071243 | 24-11-2023 | Published |

| Faculty Name | Title of Patent/ Design | Patent/Design Publication Number/ Patent Granted Number | Patent/ Design Published Date/ Granted Date (DD/MM/YYYY) | Status of Patent (Filed/Published/Granted) |
|--|--|--|---|--|
| Dr. Jaishree Jain Ms. Ankita Rani Dr. Ashish Dixit | Deep Learning for Drug Discovery & Development | 202311071177 | 24-11-2023 | Published |
| Mr. Pradeep Gupta | Drowsiness detection and alert system | 202311068904 | 24-11-2023 | Published |
| Mr. Pushkal Kumar Shukla Ms. Swati Tomar | Food supply chain tracking system using IoT and blockchain | 202311072478 | 24-11-2023 | Published |
| Mr. Manoj Kumar/1 | Integrating augmented reality technology to enhance interior design | 202311068908 A | 24-11-2023 | published |
| Dr. Jaishree Jain | IoT enabled smart agricultural cutting system for precision crop harvesting | 202311069264 | 24-11-2023 | Published |
| Dr. Akhilesh Verma | Neural network based evaluation of stock price and performance of stock | 202311068902 A | 24-11-2023 | Published |
| Dr. Rajesh Prasad | NLP based sentiment analysis for product review | 202311068901A | 24-11-2023 | Published |
| Dr. Akhilesh Verma | Smart phone data based human activity recognition using machine learning technique | 202311069259 A | 24-11-2023 | Published |
| Mr. Ravindra Kumar Mr. Ritesh Kumar Sharma | Direction & Speed Control of DC Motor Using Mobile application | 202311075907, 48/2023 | 01-12-2023 | Published |
| Dr. Amit Garg | Heat Exchanger Jacket | 202311075546 A | 01-12-2023 | Published |
| Mr. Neeraj Sharma | Automated Grass Cutting System | 202311075548 A | 01-12-2023 | Published |
| Mr. Om Krishna Gupta | Accident Avoidance System For Vehicles In Foggy Regions | 202311075601 A | 01-12-2023 | Published |
| Mr. Himanshu Nagpal | Autonomous Cart System | 202311075549A | 01-12-2023 | Published |
| Mr. Himanshu Nagpal | Automated Zebra Crossing System | 202311075553A | 01-12-2023 | Published |
| Ms. Priyanka Sharma | IoT Based Vehicle Emission Monitoring System | 202311075547 A | 01-12-2023 | Published |
| Dr. Karunesh | Dual Band Circularly Polarized Antenna | 202311075790A | 01-12-2023 | Published |
| Mr. Gagandeep Singh | Advance Home Safety And Response System | 202311075600 A | 01-12-2023 | Published |
| Dr. Uma Sharma | A Novel Design Of FgmOs Based Xor/Xnor Logic Cell For Ultra Low Power Low Voltage Applications | 202311076916 | 08-12-2023 | Published |
| Dr. Shivani Agarwal | Smart Spectacle For Visually Challenged Persons | 384247/001 | 08-12-2023 | Granted |
| Dr. Avdhesh Gupta | AI based device for detection of cardiac diseases | UK/206508135 | 10-12-2023 | Granted |
| Ms. Juli Yadav Dr. Jaishree Jain | Artificial intelligence based delivery robotic device | 395181/001 | 14-12-2023 | Granted |

| Faculty Name | Title of Patent/ Design | Patent/Design Publication Number/ Patent Granted Number | Patent/ Design Published Date/ Granted Date (DD/MM/YYYY) | Status of Patent (Filed/Published/Granted) |
|---|---|--|---|--|
| Dr. Nandita Goyal | Portable Device For Identification Of Glaucoma At Early Stage | 403112/001 | 26-12-2023 | Granted |
| Mr. Achintya Kumar Pandey Mr. Manoj Kumar/1 Mr. Yogendra Narayan Prajapati Mr. Sandeep Yadav | Forecasting And Scheduling Of Railway Tracks | 202311078497 A | 29-12-2023 | Published |
| Dr. Jaishree Jain | IOT Controlled Optimized Multi/split air conditioning system | 202341078053 | 29-12-2023 | Published |
| Ms. Shikha Agarwal | Crop sight Pro: Iot/Machine Learning Fusion For Agricultural Efficiency. | 202411000851 | 04-01-2024 | Published |
| Dr. Nandita Goyal | Wearable Health Monitoring And Rescue Device | 6334898 | 08-01-2024 | Granted |
| Mr Arun Kumar Maurya | Atmospheric Water Generation System | 202311082795 | 12-01-2024 | Published |
| Mr. Dushyant Singh Chauhan | Smart Health Monitoring & Medicine Storage System | 202311082862A | 12-01-2024 | Published |
| Dr. Ritish Kumar | Amphibian Garbage Collecting Robot | 202311082861 A | 12-01-2024 | Published |
| Ms. Pooja Mishra | Gesture Controlled Robotic Arm | 202311082793 A | 12-01-2024 | Published |
| Mr. Naveen Kumar Saini | Smart Helmet | 202311082859 A | 12-01-2024 | Published |
| Dr. Naresh Kumar | Advanced Atm Surveillance System | 202311082857 A | 12-01-2024 | Published |
| Dr. Ruchira Goel | Iot/Enabled Street Light Regulation System | 202311084616 A | 12-01-2024 | Published |
| Dr. Shivani Agarwal | Security Device For Detection Of Software Malware | 6334888 | 16-01-2024 | Granted |
| Dr. Rahul Sharma | Adaptable IoT/Based Traffic Regulation System | 202411003457 | 17-01-2024 | Filed |
| Dr. Jaishree Jain | Adaptive cloudguard:ai/enhanced intrusion detection and prevention system for dyanamic cloud security | 202311087013 | 19-01-2024 | Published |
| Mr. Ashish Kumar | Artificial intelligence based nerve activation device for healthcare treatment | 404979/001 | 19-01-2024 | Granted |
| Dr. Anuradha Taluja | Blockchain based secure data management system for internet of things(iot) device | 202321087483 | 19-01-2024 | Published |
| Dr. Avdhesh Gupta Dr. Ayushi Prakash | Auto irrigation system for sustainable agriculture using IOT and machine learning | 202411004117 | 21-01-2024 | Published |
| Dr. Veena Bharti Dr.Ashish Dixit Ms. Harnit Saini | IOT Machine Learning Fusion For Agricultural Efficiency | 202411000851 | 02-02-2024 | Published |

| Faculty Name | Title of Patent/ Design | Patent/Design Publication Number/ Patent Granted Number | Patent/ Design Published Date/ Granted Date (DD/MM/YYYY) | Status of Patent (Filed/Published/Granted) |
|--|--|--|---|--|
| Mr. Amit Kumar | Automated Queue Management System | 202411003458 | 09-02-2024 | Filed |
| Mr. Pradeep Gupta Dr. Sonam Gupta | Auto irrigation system for sustainable agriculture using IOT and machine learning | 202411004117 | 09-02-2024 | Published |
| Mr. Sachin Jain | Federated Learning Of Cnns For Mango Leaf Diseases Classification | 202411003565 | 09-02-2024 | Published |
| Mr. B N Pandey Mr. Sachin Jain | Hybrid classifier/based federated learning for cardiovascular disease prediction | 202411005558 | 09-02-2024 | Published |
| Dr.Santosh Kumar Upadhyay | Machine Learning/Based Approach for Exploring Urban Demand for Agricultural Products, Urban Farming, and Rural/Urban Migration | 202431004232 A | 09-02-2024 | Published |
| Ms. Chitra Nasa Ms. Harnit Saini Mr.Manoj Kumar II | Cloud shield Sentry: Advance Intrusion Detection For Secure Cloud Environment | 202411009651 | 16-02-2024 | Published |
| Ms. Kamini Tanwar Ms. Gunjan saxena Mr. Pushkal Kumar Shukla Mr. Ashish Kumar II | Precision Agriculture With Crop Prediction Iot sensors And Blockchain | 202411008453 | 16-02-2024 | Published |
| Dr. Ruchira Goel | Auto Irrigation system for sustainable using IOT and Machine Larning | 202411004117 | 21-02-2024 | Published |
| Dr. Sunil Kumar Mr. Yogendra Narayan Prajapati Dr. Jaishree Jain | Artificial Intelligence Based Skin Diseases Detection Medical Device | 402316/001 | 21-02-2024 | Published |
| Dr. Himani Garg Mr. Naveen Kumar Saini | IoT And AI Based Cardiovascular Disease Detection | 202411011581 A | 23-02-2024 | Published |
| Mr. Achintya Kumar Pandey Mr. Pradeep Kumar Tripathi | Machine Learning Enabled Face Tracking Device For Security Purpose In Hospitals | 406789/001 | 14-03-2024 | Published |
| Dr. R. K. Yadav | IoT Based Cutting Machine for Agricultural Purpose | 405973/001 | 15-03-2024 | Design Granted |
| Ms. Shikha Agarwal | Advanced Image Enhancement Algorithm Based Generative Adversarial Network (Gans) | 202411022053 | 22-03-2024 | Published |
| Dr. R. K.Yadav | Development of Advanced Prosthetic Device for Blind Amputees | 202141051978 | 26-03-2024 | Granted |
| Dr. Shivani Agarwal Ms. Mili Srivastava Mr. Amit Kumar Mr. Yogendra Narayan Prajapati | Artificial Intelligence Based Nerve Activation Device For Healthcare Treatment | 404979/001 | 27-03-2024 | Granted |

| Faculty Name | Title of Patent/ Design | Patent/Design Publication Number/ Patent Granted Number | Patent/ Design Published Date/ Granted Date (DD/MM/YYYY) | Status of Patent (Filed/Published/Granted) |
|--|--|--|---|--|
| Dr. Neelesh Kumar Gupta Dr. Naresh Kumar | AI Based Wireless Signal Disruptor | 401787/001 | 28-03-2024 | Granted |
| Dr. Karunesh Ms. Neeharika Tripathi | Pipe Crawler | 202111019788 | 02-04-2024 | Granted |
| Ms. Vaishali Deshwal Ms. Amrita Tiwari | lot Based Gas Leakage Detecting and weight monitoring device | 202431022160A | 05-04-2024 | Filed |
| Mr. Shailendra Singh Ojha | Real Time Healthcare Data Monitoring On Cloud Using Iottechnology. | 202421000000 | 12-04-2024 | Published |
| Dr. Shivani Agarwal | IoT Based Patient Health Monitoring Device | 407862/001 | 18-04-2024 | Granted |
| Dr. Rajesh Prasad Mr. Sachin Jain Mr. Samendra Singh | Machine learning based security device for cloud computing | 408197/001 | 18-04-2024 | Granted |
| Dr. Himani Garg | IoT Based Heart Attack Detection Device | 408049/001 | 19-04-2024 | Granted |
| Ms. Pooja Mishra Dr. Amita Asthana Dr. Ritish Kumar Mr. Dushyant Singh Chauhan Mr. Himanshu Nagpal Mr. Naveen Kumar Saini | Computer Wireless Usb Hub Station | 202411022668 A | 26-04-2024 | Published |
| Dr. Ashish Dixit Ms. Harnit Saini | Advanced image enhancement algorithm based on generative adversarial networks (gans) | 202411022053 | 26-04-2024 | Published |
| Ms. Shikha Agarwal Dr. Ashish Dixit | Machine Learning Based Stress Detection Device | 410454/001 | 02-05-2024 | Granted |
| Dr. R.K.Yadav | Next Generation Telecommunication Network Infrastructure for Low Latency Data Transmission | 202441033837 | 03-05-2024 | Published |
| Dr. Amita Asthana | Ict Enabled Pen Tab For Teaching And Learning Process | 411551/001 | 10-05-2024 | Granted |
| Ms. Sheradha Jauhar | Mental Health Detection System By Using Machine Learning Techniques | 202411031026 | 10-05-2024 | Published |
| Ms. Kamini Tanwar Mr. Vishal Jayaswal Mr. Beerbal Solanki Mr. Updesh Kumar Jaiswal | A hybrid Approach To Generate Fuel For Electric Vehicle | 202411024986 | 10-05-2024 | Published |
| Mr. Shiva Tyagi | Mental health detction system by using machine learning techniques | 202411031026 | 10-05-2024 | Published |
| Mr. Santosh Kumar Mishra | Secured Radiation Therapy Facilitating Device For Skin Diseases | 202411032628 | 14-05-2024 | Published |

| Faculty Name | Title of Patent/ Design | Patent/Design Publication Number/ Patent Granted Number | Patent/ Design Published Date/ Granted Date (DD/MM/YYYY) | Status of Patent (Filed/Published/Granted) |
|--|---|---|--|--|
| Ms. Pooja Mishra Dr. Ritish Kumar | AI Powered Tutoring Device For Intelligence Teaching Assistance | 411552/001 | 16-05-2024 | Granted |
| Ms. Amrita Tiwari | Ai/driven predictive strategies for enhancing electric vehicle battery charging life cycle sustainability | 202411035163 | 17-05-2024 | Published |
| Dr. Ashish Dixit | AI based driver drowsiness detecting device | 411738/001 | 22-05-2024 | Granted |
| Mr. Mayank Trivedi | Impact of management information system (MIS) in an organisation on operational management of human resources | 202421035509 | 24-05-2024 | Published |
| Mr. Pancham Singh Mr. Beerbal Solanki Mr. Updesh Kumar Jaiswal | AI Based Weather Monitoring And Predicting Device | 412992/001 | 05-06-2024 | Granted |
| Ms. Chitra Nasa | IOT Based Smart Pool Maintenance For Water Quality Management | 202411039840 | 07-06-2024 | Filed |
| Dr. Ashish Dixit | A system for providing enhanced mental health support and method thereof | 202411040984 | 07-06-2024 | Published |
| Dr. R.K. Yadav | lot based waste management bin | 413076/001 | 07-06-2024 | Design Granted |
| Dr. Nandita Goyal | Device For Detecting Diseased Leaves In Plant By Image Processing | 419824/001 | 12-06-2024 | Published |
| Ms. Rachana Singh Sisodia | Business operations management and IOT enabled student behavior monitoring system for educational institutes with nlp and image processing capabilities | 202411046284 | 21-06-2024 | Published |
| Mr. Mradul Jain Mr. Samender Singh | lot based smart pool maintenance system for water quality management | 202411039840 | 27-06-2024 | Published |
| Dr. Sanjay Sharma Dr. Anand Tyagi Dr. BB Verma Dr. Meenakshi Dr. Tarunjeet | The Gradient Descent Algorithm for Finding Equation of the Tangents for Tracing of any Curves | 202411022054 | 28-06-2024 | Published |
| Dr. Veena Bharti Ms. Chitra Nasa | Deep learning based Accelerated MRI Scanning device | 421574/001 | 28-06-2024 | Granted |
| Dr. J.G. Yadav | Charging System For An Electric Vehicle Powered By A Battery Pack | 202411051227 | 04-07-2024 | Published |
| Dr. Naresh Kumar | 5G Based Wireless Sensor Network Device For Environment Monitoring | 418256/001 | 04-07-2024 | Filed |
| Dr. Rajesh Prasad Mr. Sachin Jain | Federated learning based model for plant leaf disease segmentation and classification | 202411046426 | 05-07-2024 | submitted |

| Faculty Name | Title of Patent/ Design | Patent/Design Publication Number/ Patent Granted Number | Patent/ Design Published Date/ Granted Date (DD/MM/YYYY) | Status of Patent (Filed/Published/Granted) |
|---------------------------------------|--|--|---|--|
| Mr. Neeraj Gupta | Dual/Axis Gyro/Stabilized Atmospheric Dataacquisition Device | 202411051228 | 12-07-2024 | Published |
| Mr. Ravindra Kumar | Waste energy management system for Electrically driven vehicles | 202411051221 | 12-07-2024 | Published |
| Dr. Nitin Sharma | Artificial Intelligence Based Braille Learning System | 202411053536 | 12-07-2024 | Filed |
| Mr Arun Kr Maurya | Book Vending Device | 202411051371 | 19-07-2024 | Published |
| Mr. Mayank Trivedi | An IOT based, AI powered and machine learning based school security system | 202421046676 | 19-07-2024 | Published |
| Mr Arun Kr Maurya | Smart Safety System For Enhancing Security Of Women | 202411057503 | 09-08-2024 | Published |
| Mr Arun Kr Maurya | Assistive Device For Medical Practitioner Intellectual Property India | 202411057504 | 09-08-2024 | Published |
| Mr Arun Kr Maurya | Skydiving Guidance System | 202411057505 | 09-08-2024 | Published |
| Mr Arun Kr Maurya | Water/Quality Based Rain Water Collection And Storage Device | 202411057506 | 09-08-2024 | Published |
| Mr Arun Kr Maurya | Smart Vehicle And User Guidance System | 202411057507 | 09-08-2024 | Published |
| Mr. Amit Kumar | AI based wireless door bell | 202411056571 | 09-08-2024 | Published |
| Mr. Amit Kumar | Multisensor monitoring system | 202411054804 | 09-08-2024 | Published |
| Ms. Rupa Rani | Activitybased travel demand modeling system using apache kafka and spark | 202411060717 | 30-08-2024 | Published |
| Mr. B N Pandey | Deep learning and federated learning enhanced model for automated brain tumor classification | 202411064109 | 30-08-2024 | Published |
| Dr J G Yadav | Vehicle to Vehicle IOT Charger For Emergency Decentralized Ev Charging Using Surplus Power | 202411079747 | 21-10-2024 | Published |
| Mr. Amit Kumar | AI /IOT enabled monitoring device for diabetic patients | 202411078751 | 25-10-2024 | Published |
| Mr. Mradul Jain Mr. Samender Singh | System and Method For Sentiment Analysis of Employee Feedback | 202411048543 | 05//07/2024 | Published |

Industrial Projects & Consultancy

| Center | Name of Project | Organisation |
|--------|---|--------------------------------|
| AWTRC | Cutting And Welding Of Chasis Mountigs SUPRA | AKGEC |
| | CNC Laser Cutting Machine Setup | CFC |
| | Fabrication Of Protective Cover For Drain Cock Assembly | Jodhpur Store Depo, NW Railway |
| | Installation Of Impact Testing M/C | CFC |
| | Fabrication Of Machine Stand Table | CFC |
| | B.Tech Project Work GTA Welding of 10 Samples | AKGEC |
| | Fabrication Of Stand For Impact Testing M/C At CFC | CFC |
| | GMAW Process Of 10mm Thick, 04 Samples | NIT Delhi |
| | CNC Plasma Cutting Of Adjusting Shim (180 Nos.) | Eastern Railway |
| | CNC Plasma Cutting Of Compensating Ring (120 Nos.) | Northern Railway |
| | Fabrication Of Metal Horse Memento | Deki Electronics |
| | Fabrication Of Fire Extinguisher Stand For CFC | CFC |
| | Safty Strap For Cut Off Angle | North Western Railway, Ajmer |
| | Battery Connection Plate | South Central Railway |
| | Bearing Plate For Side Bearer | South Western Railway |
| | Ferrule | Western Railway |
| AMC | Fire Extinguisher Trolly | North Western Railway |
| | Mounting Plate For Gravity Tap | Southern Railway |
| | 3d Scanning Of Turbine Blade By Antec 3d Scanner | |
| | Compensating Ring For Bogie CNC Turning Work | |
| | Development Of Bras Tools On CNC Milling | |
| | Develop Tensile Fixture For Clamping On CNC Milling | |
| | Development Of Lock Frame & Lock Enclosure Cover Base | |
| | On CNC Milling Machine | |
| | Development Of Oval Ring On CNC Milling & CNC Turning Machine | |
| | Development Of Lock Frame On CNC Milling Machine | |
| | Cover For Brake Head Drawing No T/3/1/608 CNC Turning Machine | |
| | Development Of Ring 71/31/28 On CNC Turning Machine | |
| | Development Of Cutter 55/25/19.5 On CNC Milling Machine | |
| | Development Of Cutter 38/38/19.5 On CNC Milling Machine | |

| Center | Name of Project | Organisation |
|--------|--|--|
| AMC | Development Of Cutter 60/32/19 On CNC Milling Machine CNC Turning On Pin Flat Head Dai 41 X 89mm Front Calvin 1 CNC Milling Works On Mcv /400 For Sae Supra Development Of Pedal On CNC Milling Machine For SAE Supra | Southern Railway |
| FABLAB | Stiffener Bracket/703 Development of Aluminium Load Cell Cold Form Ball 4W/5998/03C 3D Printing of LED bulb cover Indigenized version of the waistline heat belt 3D Printing of wheel box assembly 3D Printing of F1 car model Designing & development of commercial Bike Ambulance side cart 3D Printing of ISRO Rover Parts 3D Printing of Pendulum Part Laser cutting of Transparent Acrylic sheet SAE Car Dashboard 3D Printing of Top Chassis plate, Bottom Chassis plate and ultrasonic sensor for robot car 3D Printing Part for IIBA Robot Tool 3D Model of HC MLOX Storage (Liquid oxygen installation with pressure pipe network at hospitals & industries) 3D printing of EV Battery box | Kasuya GPP Auto Products M/s Expressions Moradabad Ghaziabad Precision Products Pvt. Ltd Webspring Pvt. Ltd. Avni Enterprises Mechanical Engg. Student Loughborough University U.K F/62, Block E Lajpat Nagar II New Delhi-110024 INMAS DRDO ADGITM, Delhi AKGEC AKGEC student AKGEC student Step by Step School, Noida AKGEC(KUKA) Air Liquid North India Pvt. Ltd. HYBDOO |
| IRTC | Robotic Welding of SS/304 using CMT Welding Power Source Wall Fabrication using WAAM (CMT) Welding Power Source Conduct Trails on Incremental Forming Process using Robo Milling Setup | AKTU Lucknow SRM University Ghaziabad IIT Kanpur |
| ARRC | Robotic Welding on DYNMO METER/R121710.101 | Micromatic Manufacturing Systems Pvt. Ltd. |

GUEST LECTURES BY EMINENT EXPERTS

Several guest lectures were organized throughout the academic year by all the departments. The speakers were from reputed organizations and industries who shared their experience and knowledge on emerging technologies.

| Name of the Person | Designation /Institute/Industry | Topic | Date of Guest Lecture |
|--------------------------|---|--|-----------------------|
| Mr. Harish Khurana | Enviro Solutions Pvt Ltd | Gas Tungsten Arc Welding | 03-08-2023 |
| Mr. Parminder Singh | GM, CNH Industrial (India) Pvt. Ltd. | Integrated Automation using PLC | 16-08-2023 |
| Mr. Pramod Kumar Singh | Chief Manager (IT & ERP), Power Grid Corporation of India | Data Centre Operation and Information Security | 18-09-2023 |
| Mr. Satyam Shukla | Sr. Manager, Gail India Limited, Pata. | Introduction to LPG pipeline activities and Maintenance of Mechanical Equipments in Petrochemical Plants | 21-09-2023 |
| Dr. Maneesh Kumar Pandey | Sr. SOC Design Manager, Intel Technology Pvt Ltd | SOC (System on Chip) Design Verification and Post Silicon Validation | 28-09-2023 |
| Mr. Harish Kumar | Associate Professor at NIT Delhi. | Paradigm shift in Manufacturing | 04-10-2023 |
| Mr. Vipin Bhogal | Consultant AKGEC | Innovation in Automation | 07-10-2023 |
| Mr. Parminder Singh | GM, CNH Industrial (India) Pvt. Ltd. | Material Pull System, CFT Team event & Process involved | 10-10-2023 |
| Mr. Gagan Tyagi | Technical Architect Tech Mahindra | Expert talk on Design software Architecture by using Factor App Principle | 17-10-2023 |
| Mr. A. K. Mishra | Managing Director Mangdechhu Hydroelectric Project Authority, Trongsa, Bhutan | RCC Design | 19-10-2023 |
| Mr. Prateek Sharma | Principal Engineer, NatWest | Recent Trends in Wireless Communication | 20-10-2023 |
| Mrs. Gunjan Gupta | Entrepreneur, A2G Enterprises Pvt. Ltd | The evolution of marketing: from traditional to digital | 25-10-2023 |
| Mr. Gagan Tyagi | Technical Architect, Tech Mahindra | Microservice and Design Principle for Service Architecture | 26-10-2023 |
| Mr. Wilson Mathur | Agile Project Manager | Exploring Data Science Fundamentals | 27-10-2023 |
| Mr. Ankit Dixit | Sr Engineer (Trainer), Fanuc India | Robotic Application | 28-10-2023 |
| Dr. Sulabh Tyagi | Assistant Professor, JIIT | Artificial Intelligence current trend and it's applications | 02-11-2023 |
| Md. Zafar Ali | Director and Trainer, Autoinftratech | Automation Technologies | 03-11-2023 |
| Md. Zafar Ali, | Director and Trainer, Autoinftratech | Automation Technologies | 03-11-2023 |
| Mr. Prince Agarwal | Exeliq | LabVIEW and its Scope | 04-11-2023 |
| Dr. Lalit Sharma | TCS Bangalore | Intracrive Session on ChatGPT | 07-11-2023 |
| Mr. Bardani S Yadav | Regional Service Head/North, Numeric India/Legrand | Impact of automation in Electrical Panel Wiring | 08-11-2023 |
| Mr. Himanshu Tripathi | TIFAC Core AKGEC | Open Souce Hardware and Software in IOT | 09-11-2023 |
| Mr. Murli Mohan Kamminei | Telus International | The Complete Software Testing Bootcamp | 10-11-2023 |
| Mr. Akhil Sharma | Entrepreneur, Cofounder & Marketing Head at Joosworks | Art of handling failure in life | 28-11-2023 |
| Dr. Sapna Katiyar | Advisor (Technology),Impledge Technologies | Integration of AI and IoT: Transforming the Future | 30-11-2023 |
| Mr. Sachin Kumar | IT Director & Founder Concrete Software Solution | AI and Jobs: A Deep Dive Into Current Landscape | 30-11-2023 |

| Name of the Person | Designation /Institute/Industry | Topic | Date of Guest Lecture |
|--------------------------|--|---|-----------------------|
| Ms. Shraddha Mishra | Entrepreneur | Mental Health Awareness: Breaking the Stigma | 30-11-2023 |
| Mr. Satish Pandey | Entrepreneur, Nutraceutical Company, Delhi | The Path to peak performance: unleashing the power with in yourself | 30-11-2023 |
| Mr. Ranjeet Kumar | Asst Manager, Kuka India Pvt Ltd | Calibration of tools, Robot Programming | 05-12-2023 |
| Mr. Satendra Singh | Accenture Noida | Relational Database Concept and SQL Queries | 12-12-2023 |
| Mr. Gagan Tyagi | Technical Architect, Tech Mahindra | Dynamic Programming using Generative AI | 13-12-2023 |
| Mr. Bhupendra Rawat | Carl Zeiss India Pvt Ltd | Operation and application of CMM | 15-12-2023 |
| Dr. Praveen Pandey | Director & Prof. at S.D. College of Engineering & Technology | Concept of Entropy | 18-12-2023 |
| Mr. Deepak Tiwari | Fronius India Pvt Ltd | Fronius welding power source & Gas metal arc welding process | 19-12-2023 |
| Ms. Shilpa Bhatia | Validation Engineer, ST Microelectronics | Multiplayer board design & testing | 20-12-2023 |
| Mr. Upendra Kumar Tiwari | Data Scientist Synergistie compusoft Pvt. Ltd. | Generative AI and the Future of Jobs | 20-12-2023 |
| Ms. Simranpreet Kaur | Software Development Engineer, Microsoft, India | Tips to crack FAANG and Product based companies | 21-12-2023 |
| Mr. Sudhir Kumar Shukla | Manager, Shri Ram Pistons & Rings Ltd | Industrial Management System | 21-12-2023 |
| Mr. Mukesh Kumar Sharma, | Manager, Falcon Auto tech Pvt. Ltd. | Automation & Actuators | 25-12-2023 |
| Mr. Ashwini Nagpal | Ex. AVP, Legrand Groups | QA/QC Tools | 27 & 28-12-2023 |
| Mr. Gaurav Jain | Pre/Sales Specialist Cloudera Inc | IoT and Database / Big Data Platforms | 08-01-2024 |
| Dr. Sanjay Kumar | Assistant Professor, Delhi Technological University (DTU) | Supervised Learning and its Real/life Application | 11-01-2024 |
| Mr. Ashish Kumar | Service Delivery Manager Tata Consultancy Services, Mentor of Change ATL (NITI Aayog) | Excelling Corporate Expectations by Acquiring the 21st Century Skills | 16-01-2024 |
| Dr. Ajay Kumar | Group Head/IT Polyplex Corporation Limited, Noida | An Introduction and Overview of SAP ERP | 19-01-2024 |
| Dr Prabhakar Tiwari | Associate Professor, MMM UT, Gorakhpur | Energy Conservation in Computing Devices | 25-01-2024 |
| Dr Mohd Rihan | Founder Director and Coordinator of the centre for Grid Integrated Green and Renewable Energy AMU | New Age Challenges, Engineers and Professional Organization | 16-02-2024 |
| Ms. Shweta Berry | Director Marketing & Head of Strategic Alliances/ Industry & Academia, Marcom, PR, Demand Generation | "Empowering the Future: Exploring the Intersection of IoT, Sustainability and Technological Innovation" | 12-03-2024 |
| Mr. Murali Mohan | System Architecture, TELUS International | Quality Principles and Agile Scrum Framework | 14-03-2024 |
| Mr. Shubh Singhal | Founder, 4 Prosper Technologies Pvt Ltd | Navigating the Entrepreneurial Landscape: Strategies for Success | 14-03-2024 |
| Mr. Adwitiya Sharma | Assistant Engineer UP Jal Nigam, Gangajal Project Ghaziabad | Water Treatment Process Design | 14-03-2024 |
| Mr. Ashok Kumar | AGM, BSNL New Delhi | Wireless Technologies: 5G and beyond | 19-03-2024 |

| Name of the Person | Designation /Institute/Industry | Topic | Date of Guest Lecture |
|------------------------|---|---|-----------------------|
| Dr. Sumit Tiwari | Shiv Nadar University | Thermal Modelling of hybrid solar thermal system | 19-03-2024 |
| Mr. Atul Bhargava | Group Manager, ST Microelectronics | Use of Software's in VLSI | 09-04-2024 |
| Dr. Ashwin Saxena | CEO & Founder of CYBRANEX | Quantum Computing: The Future of Computing | 10-04-2024 |
| Mr. Anurag Upadhyay | Program Manager at Accenture Gurgaon, TEDx Speaker | Big Data Analytics: Turning Data into Insights | 18-04-2024 |
| Dr. Renu Dalal | University School Automation Robotics GGSIPU, Delhi | Data Warehouse and Data Mining: Job Trends & Technologies | 19-04-2024 |
| Mr. Amandeep Singh | SAP SAC /P Consultant at Deloitte USI Gurgaon | Enhancing Decision/Making through Financial Data Analytics | 29-04-2024 |
| Mr.Nasir Jawed | Senior Data Scientist, R&D,Center of Excellence HCL Technologies Ltd. Noida, India | NLP for robotic software engineers | 29-04-2024 |
| Mr. Ajay Tiwari | Co-founder & CEO, Dimension Angle Techno Sol. Pvt. Ltd. | Digital/Internet Trends | 13-05-2024 |
| Mr. Anurag Saxena | Manager – Product Sales | Leading Future of Air Conditioning | 17-05-2024 |
| Mr. Vikram Singh | Sr. Staff Engineer ST Microelectronics | Digital Hardware Design Using Verilog HDL | 23-05-2024 |
| Dr. Mukesh Jewariya | Senior Scientist, National Physical Laboratory Delhi | Four Dimensional Terahertz Computed Tomography for futuristic real time applications | 24-05-2024 |
| Mr. Kumar Saurabh | Senior Manager – QE Manager – Testing Sopra Banking Software Solutions India Pvt Ltd, Noida | Future Forward: Generative AI's Game/Changing Influence on Industries | 24-05-2024 |
| Mr. Adwitiya Sharma | Assistant Engineer UP Jal Nigam, Gangajal Project Ghaziabad | Used Water & Septage Management | 30-05-2024 |
| Mr. Pramod Kumar Gupta | Principal Applied Scientist Microsoft, Noida | Machine Learning to Large Language Models | 14-06-2024 |
| Mr. Sanjay Giri | SDE, ALTTC | Migration from 4G to 5G Technology, Implementation and Impacts | 20-06-2024 |
| Mr. Naresh Singh | Sub Divisional Engineer, ALTTC | Information Theory for Cyber Security | 21-06-2024 |
| Ms. Vandana Sharma | Manager Innovation Hub, Dr. APJ Abdul Kalam Technical University | Business Model Canvas | 25-06-2024 |
| Dr. Kiran Chaudhary | Associate Professor Department of Commerce Shivaji College University of Delhi | Enhancing Decision/Making through Digital and Social Media Marketing Data Analytics | 26-06-2024 |
| Mr. Sajal Jain | Founder, Lapras Business Consultants | How to Plan for Start/up and Legal & Ethical Steps | 28-06-2024 |
| Dr. Preeti Bajaj | Vice Chair Sustainable Development Activities (SDA), IEEE India Council, Former VC Symbiosis Skill University, Galgotia University, Lovely Professional University. | A Talk on Inspiring Journey of a Woman in Engineering towards the Future of Engineering | 04-07-2024 |

FDPs / WORKSHOPS/ SEMINARS ATTENDED BY FACULTY MEMBERS

| Title | Organised By | Dates | Name of Faculty Members | Department |
|--|--|-------------------------|---|-------------------------------|
| Introduction to Internet of Things | IT MADRAS NPTEL | 01/07/2023 - 31/10/2023 | Mr. Arun Kumar Maurya | Electrical & Electronics Engg |
| Recent Advancement in Nutraceuticals | Galgotia University Gr. Noida | 18/09/2023- 22/09/2023 | Dr. A. K. Rai | Electrical & Electronics Engg |
| SOLID WORKS | E& ICT ACADEMY IIT KANPUR | 03/10/2023- 07/10/2023 | Mr. Arun Kumar Maurya | Electrical & Electronics Engg |
| Journey into Computing's Future: Technology, Research & Innovation" | HRDC, IEM-UEM Group IEM Kolkata | 18/12/2023- 22/12/2023 | Mr. Arun Kumar Maurya | Electrical & Electronics Engg |
| Energy Resources, Economics & Sustainability | NPTEL | 15/01/2024 - 19/04/2024 | Mr. Neeraj Gupta | Electrical & Electronics Engg |
| Complex Networks Analysis using Python | NITTTR Chandigarh | 15/01/2024 - 19/01/2024 | Dr. A. K. Rai | Electrical & Electronics Engg |
| EV - Vehicle Dynamics and Electric Motor Drives | NPTEL | 24/01/2024 - 23/03/2024 | Dr. A. K. Rai | Electrical & Electronics Engg |
| Automatic Control | NPTEL | 24/01/2024 - 23/03/2024 | Dr. Nitisha Shrivastava | Electrical & Electronics Engg |
| Effective Teaching | NPTEL workshop, IIT Delhi | 01/02/2024 - 23/02/2024 | Mr. Neeraj Gupta | Electrical & Electronics Engg |
| Additive Manufacturing: The Future of Manufacturing | AKGEC, Ghaziabad | 05/02/2024 - 09/02/2024 | Mr. Ravindra Kumar | Electrical & Electronics Engg |
| Intellectual Property Rights for sustainable and Technological development | IEEE UP SECTION Galgotias University | 06/02/2024- 10/02/2024 | Mr. Arun Kumar Maurya | Electrical & Electronics Engg |
| Role of Green Energy Towards Sustainable Smart Cities | JSS Noida | 13/02/2024 - 17/02/2024 | Mr. Ritesh Sharma Dr. J G Yadav Dr. Vani Bhargava | Electrical & Electronics Engg |
| Mastering the Core Elements of Research | AKGEC, Ghaziabad | 22/02/2024- 24/02/2024 | Dr. A. K. Rai Mr. Ravindra Kumar Mr. Ritesh Sharma Dr. J G Yadav | Electrical & Electronics Engg |
| IPR | AKGEC, Ghaziabad | 24/02/2024 | Ms. Nidhi Singh Ms. Navjyoti Sharma | Electrical & Electronics Engg |
| Electrical Design of Advanced VLSI and Communication Systems | National Institute of Technology, Hamirpur | 26/02/2024 - 01/03/2024 | Mr. Arun Kumar Maurya | Electrical & Electronics Engg |
| Advanced Power Electronics for Electric Vehicle | IIT JAMMU | 04/03/2024 - 08/03/2024 | Mr. Arun Kumar Maurya | Electrical & Electronics Engg |
| International EMR Summer School | Amity University, Noida | 26/03/2024 - 30/03/2024 | Ms. Nidhi Singh Dr. J G Yadav | Electrical & Electronics Engg |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|---|------------------------------------|-------------------------|--|----------------------------------|
| Industrial Automation | AKGEC Skills, Ghaziabad | 01/04/2024 - 05/04/2024 | Mr. Neeraj Gupta Dr. Nitisha Shrivastava | Electrical & Electronics Engg |
| Challenges and Development in Deregulated Electricity Systems, Industrial Automation and Cyber Security | KIIT Bhuvneshwar | 9/04/2024 - 13/04/2024 | Dr. Vani Bhargava | Electrical & Electronics Engg |
| Green Horizons: Harnessing Digital Solutions for a Sustainable Future | IEEE UP Section | 14/04/2024 - 20/04/2024 | Dr. Vani Bhargava | Electrical & Electronics Engg |
| Data science (AI & ML) | E&ICT aceademy IIT, K | 29/04/2024 - 05/05/2024 | Mr. Neeraj Gupta | Electrical & Electronics Engg |
| Industrial Robotics | AKGEC KUKA-IRTC | 06/05/2024 - 10/05/2024 | Ms. Navjyoti Sharma | Electrical & Electronics Engg |
| Unleash The New Age Educator In You | AKGEC, Ghaziabad | 06/06/2024 - 08/06/2024 | Mr. Ravindra Kumar | Electrical & Electronics Engg |
| Unleash The New Age Educator In You | AKGEC, Ghaziabad | 06/06/2024 - 08/06/2024 | Mr. Neeraj Gupta | Electrical & Electronics Engg |
| Development and Deployment of IoT | NSUT, Delhi | 17/06/2024 - 21/06/2024 | Dr. J G Yadav | Electrical & Electronics Engg |
| Unlocking the Fundamentals of Research Excellence | AKGEC, Ghaziabad | 08/07/2024 - 10/07/2024 | Ms. Navjyoti Sharma | Electrical & Electronics Engg |
| Real time Implementation of Power Electronics Converters in Grid Integration of Renewable Energy Resources | MNIT Jaipur | 08/07/2024 - 12/07/2024 | Mr. Ritesh Sharma | Electrical & Electronics Engg |
| Unleash the New Age Educator In You | AKGEC, Ghaziabad | 16/07/2024 - 19/07/2024 | Dr. A. K. Rai Ms. Nidhi Singh | Electrical & Electronics Engg |
| GIAN Course on "Advanced Current Fed Power Conversion Technologies for Residential Nanogrid and Transportation Electrification" | NIT Mizoram | 13/11/2024 - 17/11/2024 | Dr. Vani Bhargava | Electrical & Electronics Engg |
| FDP on VLSI to System design | AICTE, ARM and ST Microelectronics | 31/07/2023 - 08/08/2023 | Ms. Uma Sharma | Electronics & Communication Engg |
| FDP on Universal Human Values/II | AICTE | 31/07/2023 - 08/08/2023 | Dr. Divya Sharma | Electronics & Communication Engg |
| FDP on Research Innovations And Implementation Methods | IMS Engineering College, Ghaziabad | 16/08/2023 - 20/08/2023 | Dr. Divya Sharma Dr. Amit Garg Dr. Sulekha Saxena Dr. Neelesh Kr Gupta Mr. Naresh Kumar Ms. Ankita Sharma Dr. Jitender Chhabra | Electronics & Communication Engg |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|---|--|-------------------------|--|----------------------------------|
| FDP on Frontiers in Multidisciplinary Research | Galgotias University, Greater Noida | 16/08/2023 - 22/08/2023 | Dr. Sulekha Saxena Dr. Divya Sharma | Electronics & Communication Engg |
| FDP on Vision for Human Society | AKGEC Ghaziabad | 19/08/2023 - 26/08/2023 | Dr. Jitender Chhabra | Electronics & Communication Engg |
| FDP on Cloud Infrastructure (AWS) | Brainovision Solutions & AICTE | 21/08/2023 - 25/08/2023 | Dr. Neelesh Kr Gupta Mr. Naresh Kumar Dr. Sulekha Saxena | Electronics & Communication Engg |
| Expert talk on "Introduction to Artificial Intelligence and Its Applications" | Galgotias University Greater Noida | 08-09-2023 | Dr. Sulekha Saxena Mr. Naresh Kumar | Electronics & Communication Engg |
| FDP on Cloud Infrastructure (AWS) | JNTUK University College Of Engineering Narasaraopet, Andhra Pradesh | 21/08/2023 - 25/08/2023 | Dr. Divya Sharma | Electronics & Communication Engg |
| FDP on Fundamentals Of Python Programming | E & ICT Academy, IIT Kanpur | 18/09/2023 - 22/09/2023 | Dr. Divya Sharma Dr. Pankaj Goel Ms. Uma Sharma Dr. Amit Garg | Electronics & Communication Engg |
| FDP on Recent Trends In Industrial Automation & Robotics | Amrutvahii Polytechnic Sangamner | 25/09/2023 - 27/09/2023 | Dr. Divya Sharma | Electronics & Communication Engg |
| Workshop on next Generation Wireless & Biological Communication | IIIT Sri City AP | 04/12/2023 - 08/12/2023 | Mr. Naveen Kumar Saini | Electronics & Communication Engg |
| FDP on Innovation Management and Intellectual Property Rights organized | NITTR Chandigarh | 04/12/2023 - 08/12/2023 | Dr. Neelesh Kumar Gupta | Electronics & Communication Engg |
| FDP on Research Innovations And Implementation Methods | IMS Engineering College, Ghaziabad | 04/12/2023 - 11/12/2023 | Ms. Uma Sharma | Electronics & Communication Engg |
| FDP on Distributed Ledger Technology | Dr. D Y Patil Institute of Engineering & Management Research, Pune | 09/12/2023 - 13/12/2023 | Dr. Sulekha Saxena | Electronics & Communication Engg |
| STTP on Lab Market 1.0 recent trends in Engineering | Poornima College of Engineering | 18/12/2023 - 22/12/2023 | Dr. Sulekha Saxena | Electronics & Communication Engg |
| FDP on Innovation Management and Intellectual Property Rights | NITTR Chandigarh | 29/01/2024 - 02/02/2024 | Dr. Gaurav Saxena | Electronics & Communication Engg |
| FDP on Innovation Management and Intellectual Property Rights | NITTR Chandigarh | 26/02/2024 - 01/03/2024 | Ms. Pooja Mishra | Electronics & Communication Engg |
| Cloud Computing: A Hands/on Approach with AWS Cloud | NITTR Chandigarh | 04/12/2024 - 08/12/2024 | Dr. Gaurav Saxena | Electronics & Communication Engg |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|--|--|-------------------------|--------------------------------|----------------------------------|
| FDP on Innovation Management and Intellectual Property Rights | NITTR Chandigarh | 04/12/2024 - 08/12/2024 | Ms. Neha Garg Dr. Amit Garg | Electronics & Communication Engg |
| Non Destructive Evaluation of Reinforced Concrete Structures | conducted by Ultra Tech Cement Ltd and Indian Concrete Institute | 05/08/2023 | Dr. Rakesh Srivastava | Civil Engineering |
| Concrete Pavement Mix Design (IRC/44) and Dry Lean Concrete Mix Design (IRC:SP:49) | conducted by Ultra Tech Cement Ltd and Indian Concrete Institute | 02/09/2023 | Dr. Rakesh Srivastava | Civil Engineering |
| Faculty Development Program on Advance Excel with Data Analytics | E & ICT Academy, IIT Kanpur (A Joint initiative of MeitY & IIT Kanpur) | 04/09/2023 - 09/09/2023 | Ms. Anubha Gupta | Civil Engineering |
| Advanced Geospatial Science and Geographical information Technology | HI Learn Edutech Institute, Karnataka | 17/09/2023 - 21/09/2023 | Ms. Nikita Jaiswal | Civil Engineering |
| Faculty Development Program on Solid Works | E & ICT Academy, IIT Kanpur (A Joint initiative of MeitY & IIT Kanpur) | 03/10/2023 - 07/10/2023 | Ms. Anubha Gupta | Civil Engineering |
| Short slab Concrete Pavements (SSCP) for High Volume Roads | conducted by Ultra Tech Cement Ltd and Indian Concrete Institute | 28/10/2023 | Dr. Rakesh Srivastava | Civil Engineering |
| Intellectual Property Rights | Ajay Kumar Garg Engineering College, Ghaziabad | 24/02/2024 | Ms. Anchal Negi | Civil Engineering |
| Mastering the Core Elements of Research | Ajay Kumar Garg Engineering College, Ghaziabad | 22/02/2024 - 24/02/2024 | Ms. Anubha Gupta | Civil Engineering |
| Intellectual Property Rights | Ajay Kumar Garg Engineering College, Ghaziabad | 24-02-2024 | Ms. Kshama Shukla | Civil Engineering |
| Introduction to Traditional Knowledge Intellectual Property & People's Rights | Indian Knowledge System (Workshop) / Online | 07/08/2023 - 1/08/2023 | Dr. Neetu Sharma | Applied Science & Humanities |
| Discovering IKIGAI in academic leadership | Career Development Cell | 07/08/2023 - 13/08/2023 | Dr. Bandana Sharma | Applied Science & Humanities |
| Academic and Administration Development Centre | AICTE | 14/08/2023 - 19/08/2023 | Dr. Shiwani Singhal | Applied Science & Humanities |
| Innovative Teaching Strategies and Tools in Digital age | Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore | 14/08/2023 - 19/08/2023 | Dr. Neetu Sharma | Applied Science & Humanities |
| Introduction to Traditional Knowledge Intellectual Property & People's Rights | Indian Knowledge System (Workshop)/ Online | 21/08/2023 - 25/08/2023 | Dr. Monika Agarwal | Applied Science & Humanities |
| Selection of right journal for a manuscript | Nuhianwali Education Society | 29/08/2023 - 31/08/2023 | Dr. Bandana Sharma | Applied Science & Humanities |
| From Research to Publication | PG & Research Department of Commerce | 04/09/2023 - 11/09/2023 | Dr. Arvind Sharma | Applied Science & Humanities |
| Recent Advancement in Nutraceuticals | School of Medical & Allied Sciences, Galgotias University | 18/09/2023 - 22/09/2023 | Dr. Ruchira Goel | Applied Science & Humanities |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|---|---|-------------------------|---|------------------------------|
| Leadership Essentials for Personal and Professional Growth | Career Development Cell | 25/09/2023 - 01/10/2023 | Dr. Bandana Sharma | Applied Science & Humanities |
| Online Teaching Platform And Tools (Technology Management In Education) | Chanakya National Law University, Patna/India | 26/09/2023 - 30/09/2023 | Dr. Akash Kumar | Applied Science & Humanities |
| Recent and Emerging Trends in AI | Mangalmay Institute of Engineering & Technology, Greater Noida | 05/10/2023 - 09/10/2023 | Dr. Neetu Sharma | Applied Science & Humanities |
| Research Methodology | SRM Institute of Science & Technology Chennai | 09/10/2023 - 14/10/2023 | Dr. Arvind Sharma | Applied Science & Humanities |
| New Frontiers in Literary Research | Kristu Jyanti College, Autinonomous, Bengaluru | 09/10/2023 - 17/10/2023 | Dr. Monika Agarwal Dr. Arvind Sharma | Applied Science & Humanities |
| Methodology for Advanced Research and Quality Publication in Current Scenario | Department of Business Administration & IQAC, Theivanai Ammal College for Women (Autonomous), Villupuram/Tamil Nadu | 25/10/2023 - 31/10/2023 | Dr. Akash Kumar | Applied Science & Humanities |
| Professional Ethics and Plagiarism | NITTTT, Chandigarh | 05/02/2024 - 09/02/2024 | Dr. Sanjay Sharma | Applied Science & Humanities |
| Mastering the Core Elements of Research | Ajay Kumar Garg Engineering College, Ghaziabad | 22/02/2024 - 24/02/2024 | Dr. Sanjay Sharma | Applied Science & Humanities |
| Mastering the Core Elements of Research | Ajay Kumar Garg Engineering College, Ghaziabad | 22/02/2024 - 24/02/2024 | Dr. Ruchira Goel Dr. Anand Tyagi Dr. Rahul Pandey Dr. Ekta Pandey Dr. Manoj Kumar Goel Dr. BB Verma | Applied Science & Humanities |
| International Workshop on Cyber Security | Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai | 07/08/2023 - 22/08/2023 | Ms. Sheradha Jauhari Ms. Kamini Tanwar Ms. Priti Choudhary | Information Technology |
| AI for Building Speech and Vision Application using Python | Galgotias College of Engineering & Technology, Greater Noida | 21/08/2023 - 25/08/2023 | Mr. Achintya Kr Pandey Mr. Pancham Singh Mr. Pradeep Kr Tripathi Mr. Sumit Kr Sharma Ms. Mrignainy Kansal Ms. Priti Choudhary Ms. Sheradha Jauhari Ms. Kamini Tanwar Ms. Tanu Gupta Ms. Chelsi Sen | Information Technology |
| AI/ML and Data Science for Industry 4.0 (Basic Level) | NITTTT, Chandigarh | 21/08/2023 - 25/08/2023 | Mr. Sanjay Kr Sonker | Information Technology |
| Advance Excel with Data Analytics | E & ICT Academy, IIT Kanpur | 04/09/2023 - 09/09/2023 | Ms. Shilpi Gupta Mr. Sarvachan Verma Dr. Rashmi Sharma | Information Technology |
| Recent Trend and Advances In Machine Learning | IIT Roorkee | 12/09/2023 - 16/09/2023 | Ms. Mrignainy Kansal | Information Technology |
| Fundamentals of Python Programming | A Joint initiative of MeitY & IIT Kanpur | 18/09/2023 - 25/09/2023 | Mr. Pradeep Kumar Tripathi | Information Technology |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|--|---|-------------------------|--|------------------------|
| Linux Applications in Engineering Education | NITTTR, Chandigarh | 06/11/2023 - 10/11/2023 | Dr. Ruchi Gupta | Information Technology |
| Machine Learning and Predictive Analysis using Python | NITTTR, Chandigarh | 20/11/2023 - 24/11/2023 | Dr. Sunil Kumar | Information Technology |
| Applied Cloud Computing for Full Stack Web Development | Tech Saksham ATAL | 04/12/2023 - 08/12/2023 | Dr. Ruchi Gupta Dr. Anupama Sharma | Information Technology |
| High Performance Computing | Symbiosis Institute of Technology, Pune | 11/12/2023 - 15/12/2023 | Mr. Pancham Singh Ms. Mrignainy Kansal | Information Technology |
| Building Advanced Data Analytics Applications with Cloud | NextGen Employability Program | 11/12/2023 - 15/12/2023 | Mr. Amit Kumar | Information Technology |
| AI Evolution: From Foundations to Generative AI | Tech Saksham ATAL | 11/12/2023 - 15/12/2023 | Dr. Rashmi Sharma Ms. Shikha Agarwal Ms. Chitra Mr. Madhup Agrawal Mr. Santosh Kr Mishra Mr. Sumit Kumar Sharma | Information Technology |
| Building Advanced Data Analytics Applications with Cloud | NextGen Employability Program | 18/12/2023 - 22/12/2023 | Dr. Shivani Agarwal Dr. Nandita Goyal | Information Technology |
| Automated Software Development and Delivery using Microservices and Kubernetes | Department of CSE & IT, JIIT, Noida | 26/12/2023 - 31/12/2023 | Mr. Pancham Singh Ms. Mrignainy Kansal | Information Technology |
| Emerging Trends in Artificial Intelligence and Deep Learning | Sai Ram Institute of Technology | | Mr. Santosh Kumar Mishra | Information Technology |
| Emerging Trends in Artificial Intelligence and Deep Learning | IEEE Madras section | 26/12/2023 - 31/12/2023 | Dr. Veena Bharti | Information Technology |
| Inculcating Universal Human Values in Technical Education | All India Council for Technical Education (AICTE) at Ajay Kumar Garg Engineering College, Ghaziabad | 01/01/2024 - 03/01/2024 | Dr. Sunil Kumar Mr. Anil Kumar Ms. Chitra Nasa Mr. Amit Kumar Dr. Nitin Sharma | Information Technology |
| The Future of Generative AI in Academic Research and Publishing | Institute of Engineering and Management, CSI, Kolkata Chapter | 02/01/2024 - 06/01/2024 | Dr. Rashmi Sharma | Information Technology |
| Stress Management | AKGEC through NITTTR, Chandigarh | 15/01/2024 - 19/01/2024 | Dr. Anupama Sharma Dr. Ruchi Gupta Dr. Sunil Kumar Dr. Rashmi Sharma Dr. Aditya Pratap Singh Dr. Nitin Sharma Mr. Anil Kumar Ms. Shailza Kanwar Ms. Chitra Mr. Amit Kumar Ms. Sheradha Jauhari | Information Technology |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|---|---|--------------------------|--|--|
| | | | Ms. Kamini Tanwar Ms. Priti Choudhary Dr. Nandita Goyal Dr. Veena Bharti Mr. Madhup Agrawal Mr. Santosh Kr Mishra Prof. Sumit Kr Sharma Mr. Pradeep Kr Tripathi Mr. Sarvachan Verma Ms. Chelsi Sen Ms. Mili Srivastava Ms. Mamta Pant Ms. Shikha Agarwal Ms. Tahira Mazumder Mr. Achintya Kr Pandey Mr. Pankaj Singh Dr. Shivani Agarwal | |
| Overleaf for Academics: Enhancing Document Creation and Collaboration | Manipal University Jaipur | 22/01/2024 - 24/01/2024 | Ms. Shikha Agarwal Dr. Rashmi Sharma | Information Technology |
| NEP 2020 Orientation And Sensitization Programme Under MMTP of UGC | Central University of Jammu under Malviya Mission Teacher Training Centre | 23/01/2024 - 31/01/2024 | Ms. Shikha Agarwal Dr. Rashmi Sharma Mr. Pradeep Kr Tripathi | Information Technology |
| Cloud Computing: A Hands/on Approach with AWS Cloud | Computer Science and Engineering Department, NITTTR Chandigarh | 29/01/2024 - 02/02/2024 | Ms. Mili Srivastava Mr. Anil Kumar | Information Technology |
| AI Evolution: From Foundations to Generative AI | Tech Saksham ATAL | 29/01/2024 - 02/02/2024 | Dr. Aditya Pratap Singh | Information Technology |
| Face/to/Face UHV/II FDP | All India Council for Technical Education (AICTE) | 12/02/2024 - 16/02/2024 | Dr. Sunil Kumar Mr. Anil Kumar Ms. Mamta Pant Mr. Amit Kumar | Information Technology |
| Mastering the Core Elements of Research | AKGEC Ghaziabad | 22/02/2024 - 24/02/2024 | Dr. Ruchi Gupta Dr. Sunil Kumar Dr. Rashmi Sharma Dr. Aditya Pratap Singh Dr. Shivani Agarwal Mr. Sarvachan Verma Ms. Chelsi Sen Mr. Sumit Kr Sharma Mr. Santosh Kr Mishra Ms. Shikha Agarwal Mr. Pankaj Singh Mr. Madhup Agrawal Ms. Kamini Tanwar | Information Technology |
| Effective Teaching Intellectual Property Rights | NPTEL + Workshop AKGEC Ghaziabad | 22/02/2024 24/02/2024 | Dr. Rashmi Sharma Dr. Veena Bharti Ms. Chitra Ms. Sheradha Jauhari Ms. Priti Choudhary | Information Technology Information Technology |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|--|---|-------------------------|--|----------------------------------|
| AI/ML and Data Science for Industry 4.0 (Advanced Level) | NITTTR, Chandigarh | 26/02/2024 - 01/03/2024 | Dr. Rashmi Sharma Mr. Sarvachan Verma Ms. Shikha Agarwal | Information Technology |
| Inculcating Universal Human Values in Technical Education | Inculcating Universal Human Values in Technical Education | 04/03/2024 - 08/03/2024 | Ms. Shailza Kanwar | Information Technology |
| Face/to/Face UHV/II FDP | All India Council for Technical Education (AICTE) | 18/03/2024 - 23/03/2024 | Ms. Chitra | Information Technology |
| National level FDP on Python | Star International Foundation for Research and Education | 19/03/2024 - 25/03/2024 | Dr. Rashmi Sharma Ms. Shikha Agarwal | Information Technology |
| Industrial Automation | AKGEC/ BOSCH REXROTH | 01/04/2024 - 05/04/2024 | Mr. Pankaj Singh Mr. Anil Kumar | Information Technology |
| Artificial Intelligence and Machine Learning | Gautam Buddha University | 08/04/2024 - 13/04/2024 | Dr. Aditya Pratap Singh | Information Technology |
| Industrial Robotics | AKGEC | 06/05/2024 - 10/05/2024 | Ms. Shailza Kanwar Mr. Madhup Agrawal | Information Technology |
| A/ FACT | AMITY University | 13/05/2024 - 17/05/2024 | Ms. Chitra | Information Technology |
| High Performance Computing and Emerging trends | JIIT, Noida | 27/05/2024 - 01/06/2024 | Mr. Pancham Singh | Information Technology |
| Unleash The New Age Educator in You | AKGEC, Ghaziabad | 06/06/2024 - 08/06/2024 | Mr. Pankaj Singh Ms. Tahira Mazumder Mr. Achintya Kr Pandey | Information Technology |
| Tensor Flow for Machine Learning | Tensor Flow for Machine Learning | 25/06/2024 - 29/06/2024 | Dr. Nitin Sharma | Information Technology |
| Unleashing Emerging Research Trends and Advancements in Computer Science | Poornima College of Eng., Jaipur | 1/08/2023 - 5/08/2023 | Mr. Sandeep Yadav | Computer Science and Engineering |
| Entrepreneurship (FEDP) | Institute's Innovation Council, School of Biomedical Sciences & School of Business, Galgotias University, Greater Noida | 3/08/2023 - 17/08/2023 | Dr. Sonam Gupta Mr. Pradeep Gupta | Computer Science and Engineering |
| 11-day international workshop on cyber security -2023 | Dwaraka doss goverdhan doss vaishnav college, chennai | 7/08/2023 - 11/08/2023 | Ms. Kamna Singh Ms. Amrita Bhatnagar Mr. Ashish Kumar-I Mr. Sachin Jain | Computer Science and Engineering |
| Sustainability Industry 5.0 | Gargi Memorial Institute of Technology, Kolkata | 7/08/2023 - 1/08/2023 | Mr. Yogendra N Prajapati | Computer Science and Engineering |
| Cyber security | Dwarka Dass | 7/08/2023 - 22/08/2023 | Mr. Anuj Kumar | Computer Science and Engineering |
| FDP on Entrepreneurship | IPEC | 17/08/2023 - 1/08/2023 | Mr. Avdhesh Gupta | Computer Science and Engineering |
| UHV-IV (Vision for Humane Society) | AKTU Approved, AKGEC, Ghaziabad | 9/08/2023 - 6/08/2023 | Mr B N Pandey Dr Upasana Mishra Dr. Akhilesh Verma | Computer Science and Engineering |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|---|---|-------------------------|---|----------------------------------|
| Trends in Technological Intelligence (T2I 2023) | BBDNIIT, Lucknow | 21/08/2023 - 25/08/2023 | Dr. Sonam Gupta | Computer Science and Engineering |
| One weekhands on workshop on Design Thinking using Full Stack Development | ABES Ghaziabad | 1/08/2023 - 25/08/2023 | Dr. Jaishree Jain | Computer Science and Engineering |
| One week National Level Faculty Development Program on Cloud Infrastructure(AWS) | MEASI Institute of Information Technology, Tamilnadu | 21/08/2023 - 25/08/2023 | Dr. Jaishree Jain | Computer Science and Engineering |
| Big data Technologies | CDAC | 21/08/2023 - 25/08/2023 | Mr. Yogendra N Prajapati | Computer Science and Engineering |
| Cloud Infastructure by AICTE and Brainovision | AICTE | 21/08/2023 - 25/08/2023 | Dr. Ashish Dixit | Computer Science and Engineering |
| AI for Building Speech and Vision Applications Using Python | Galgotias College of Engineering and Technology (GCET, Gr. Noida) | 21/08/2023 - 25/08/2023 | Mr. Avdhesh Gupta Mr. Updesh Kr Jaiswal | Computer Science and Engineering |
| One week National Level FDP on Cloud Infrastructure(AWS) | AICTE and Brainovision | 21/08/2023 - 25/08/2023 | Mr. Vishal Jayaswal | Computer Science and Engineering |
| Faculty Development Programme on Artificial Intelligence and Machine learning for Medical Image Analysis using Python | CMRIT, Bengaluru | 21/08/2023 - 25/08/2023 | Ms. Rekha Baghel | Computer Science and Engineering |
| Cloud Infrastructure(AWS) | BIT Meerut | 21/08/2023 - 25/08/2023 | Mr. Sandeep Yadav | Computer Science and Engineering |
| Indian Knowledge System | UGC HRD Center BHU, Varanasi | 28/08/2023 - 2/09/2023 | Dr Upasana Mishra | Computer Science and Engineering |
| Advanced Excel with Data Analytics | IIT Kanpur | 4/09/2023 - 9/09/2023 | Mr. Sharvan Kumar Dr. Jaishree Jain Dr Shashank Sahu Ms. Shiva Tyagi | Computer Science and Engineering |
| Advance Tools & Techniques for Research Methodology | Research Foundation of India & RFI-Care | 4/09/2023 - 13/09/2023 | Dr. Jaishree Jain | Computer Science and Engineering |
| Recent Trends in Cyber-Physical Systems and Big Data | NIT Jalandhar | 4/09/2023 - 8/09/2023 | Mr. Vishal Jayaswal | Computer Science and Engineering |
| Building Advanced Data Analytics Applications with Cloud | Edunet Foundation | 11/09/2023 - 15/09/2023 | Dr. Sonam Gupta Ms. Bhumica | Computer Science and Engineering |
| Inculcating Universal Human Values in Technical Education | AICTE Approved at AKGEC | 11/09/2023 - 15/09/2023 | Ms. Bhumica | Computer Science and Engineering |
| 5 Days online short term training program on "Data Empowerment using Excel, SQL,Python, SPSS & PowerBI" | AKGIM, Ghaziabad | 18/09/2023 - 22/09/2023 | Dr. Jaishree Jain | Computer Science and Engineering |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|--|---|-------------------------|--|----------------------------------|
| Fundamentals of Python Prog. | E & ICT Academy, IIT Kanpur | 18/09/2023 - 22/09/2023 | Ms. Amrita Tiwari | Computer Science and Engineering |
| Building Advance Data Analytics Application with Cloud | AICTE-Edunet | 3/10/2023 - 07/10/2023 | Mr. Vikas | Computer Science and Engineering |
| Artificial Intelligence for Sustainable Development | Babu Banarasi Das University. | 3/10/2023 - 07/10/2023 | Mr. Pradeep Gupta | Computer Science and Engineering |
| Building Advance Data Analytics Application with Cloud | AICTE-Edunet | 3/10/2023 - 07/10/2023 | Dr. Santosh Kumar Upadhyay | Computer Science and Engineering |
| Employability Skills for Industry 4.0 | NITTR Chandigarh | 16/10/2023 - 20/10/2023 | Dr. Rajesh Prasad | Computer Science and Engineering |
| AI Evolution: From Foundations to Generative AI | Microsoft, SAP & AICTE | 14/11/2023 - 18/11/2023 | Dr. Avdhesh Gupta | Computer Science and Engineering |
| IEM Cyber Security | Computer society of India, Kolkata | 17/11/2023 - 1/12/2023 | Ms. Neeharika Tripathi | Computer Science and Engineering |
| Machine Learning and Predictive analysis using Python | Department of Computer Science and Engineering at NITTTR Chandigarh | 20/11/2023 - 24/11/2023 | Ms. Manisha Rai Dr. Rakesh Kumar Yadav Ms. Hina Singh Pushkal Kumar Shukla | Computer Science and Engineering |
| Automated Software Development and Delivery using Microservices and Kubernetes | Institution Industry Linkage Cell and Department of CSE & IT, Jaypee Institute of Information Technology, Noida | 26/11/2023 - 31/11/2023 | Updesh Kumar Jaiswal | Computer Science and Engineering |
| Cyber Intelligence and awareness on social media security v2.0 | Institute of Engineering and Management, Kolkata | 27/11/2023 - 1/12/2023 | Dr. Sonam Gupta Ms. Neerja Arora Mr. Vikas Ms Dhanshri Ms. Vaishali Deshwa Mr. Amit kumar Ms. Manisha Rai Mr. Updesh Kr Jaiswal Ms. Gunjan Saxena Mr. Pronab Kr Adhikari Mr. Beerbal Solanki Mr. Pushkal Kr Shukla Ms. Amrita Tiwari | Computer Science and Engineering |
| AI Evolution: From Foundations to Generative AI | Tech Saksham | 11/12/2023 - 15/12/2023 | Mr. Mradul Kumar Jain | Computer Science and Engineering |
| Building Advanced Data Analytics with Cloud | AICTE | 11/12/2023 - 15/12/2023 | Ms. Ritika Dhyanani | Computer Science and Engineering |
| Recent Trends in Healthcare | Vishwakarma Institute of Information Technology | 18/12/2023 - 22/12/2023 | Mr. Sandeep Yadav | Computer Science and Engineering |
| FDP Nptel Java Programming | NPTTEL - AICTE | 1/01/2024 - 1/04/2024 | Dr. Ashish Dixit | Computer Science and Engineering |
| Inculcating Universal Human Values in Technical Education | AICTE Approved at AKGEC | 1/01/2024 - 03/01/2024 | Dr. Rakesh Kumar Yadav Dr. Ayushi Prakash Ms. Hina Singh | Computer Science and Engineering |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|--|---|-------------------------|---|----------------------------------|
| Cloud Computing | NPTEL-AICTE | 1/01/2024 - 1/04/2024 | Mr. Pushkal Kumar Shukla | Computer Science and Engineering |
| Inculcating UHV in Technical Education | AICTE | 1/01/2024 - 03/01/2024 | Ms. Ritika Dhyani | Computer Science and Engineering |
| Python for Data Science | NPTEL | 1/01/2024 - 1/02/2024 | Ms. Mayank Trivedi | Computer Science and Engineering |
| The Future of Genearative AI in Academic Research and Publishing | Institute of Engineering and Management, Kolkata | 2/01/2024 - 6/01/2024 | Dr. Sonam Gupta Mr. Sachin Jain Ms. Neerja Arora Mr. Vikas Dr. Jaishree Jain Mr. Amit Kumar Mr. Updesh Kr Jaiswal Ms. Gunjan Saxena Dr. Rajesh Prasad Dr. Santosh Kr Upadhyay Mr. Pushkal Kr Shukla Ms. Neeti Pahuja Mr. Anuj Kumar | Computer Science and Engineering |
| Research Paper Writing Using AI Tools | Nuhianwali Education Society, Sirsa (Haryana) India | 15/01/2024 - 19/01/2024 | Ms. Kamna Singh | Computer Science and Engineering |
| Recent Trends in Artificial Intelligence | Bhupal Nobles' University, Udaipur | 22/01/2024 - 27/01/2024 | Dr. Ayushi Prakash | Computer Science and Engineering |
| Level-1 Reiki Method for Natural Healing | AKGEC, Ghazibad | 27/01/2024 - 28/01/2024 | Mr B N Pandey Mr. Sachin Jain Dr Upasana Mishra | Computer Science and Engineering |
| The recent trends of big data and artificial intelligence | CCS university, Meerut, | 5/02/2024 - 12/02/2024 | Dr. Rakesh Kr Yadav | Computer Science and Engineering |
| AI Evolution: From Foundations to Generative AI | Tech Saksham Atal | 5/02/2024 - 9/02/2024 | Ms. Neeti Pahuja | Computer Science and Engineering |
| Intellectual Property Rights for Sustainable and Technology Development | Galgotia University | 6/02/2024 - 10/02/2024 | Mr. Harnit Saini | Computer Science and Engineering |
| Intellectual Property Rights | AKGEC Ghaziabad | 6/02/2024 - 10/02/2024 | Ms. Hina Singh Ms. Neeharika Tripathi | Computer Science and Engineering |
| HPC Master Trainer Program | C-DAC Bangalore | 12/02/2024 - 23/02/2024 | Dr. Akhilesh Verma | Computer Science and Engineering |
| 5-day Face-to-Face UHV FDP Inculcating Universal Human Values in Technical Education | AICTE Approved at AKGEC | 12/02/2024 - 16/02/2024 | Dr. Rakesh Kr Yadav Dr. Ayushi Prakash Ms. Hina Singh Ms. Bhumica Ms. Ritika Dhyani | Computer Science and Engineering |
| Decentralizing trust with Blockchain Technology | MVN University | 21/02/2024 - 23/02/2024 | Dr. Anuradha Taluja | Computer Science and Engineering |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|--|---|-------------------------|---|----------------------------------|
| Mastering the Core Elements of Research | AKGEC, Ghazibad | 22/02/2024 - 24/02/2024 | Ms. Kamna Singh Dr. Jaishree Jain Ms. Harnit Saini Dr. Ayushi Prakash Mr. Pronab Kr Adhikari Mr. Manish Kr Dr. Santosh Kr Upadhyay Ms. Rekha Baghel Mr. Varun Kumar | Computer Science and Engineering |
| 5 Days Online International Faculty Development Program on Recent Trends and Applications in Data Science | Sister Nivedita University, India, Department of Computer Science and Engineering | 6/02/2024 - 1/03/2024 | Mr B N Pandey Mr. Sachin Jain Dr. Jaishree Jain Mr. Amit Kumar Ms. Manisha Rai Mr. Updesh Kr Jaiswal Mr. Ashish Kumar 2 Mr. Manoj Kumar 1 Mr. Beerbal Solanki | Computer Science and Engineering |
| Master Trainers Faculty Training Program | Central Sanskrit Univ, Bhopal | 26/02/2024 - 2/03/2024 | Dr Upasana Mishra | Computer Science and Engineering |
| 7 Days National Level FDP on Python | Star International Foundation for Research and Education | 19/03/2024 - 25/03/2024 | Mr B N Pandey Mr. Sachin Jain Ms Dhanshri Ms. Manisha Rai Ms. Gunjan Saxena Mr. Vikas | Computer Science and Engineering |
| 7 Days National Level FDP on Python | Star International Foundation for Research and Education | 19/03/2024 - 25/03/2024 | Mr B N Pandey Mr. Sachin Jain Ms Dhanshri Ms. Manisha Rai Ms. Gunjan Saxena Mr. Vikas | Computer Science and Engineering |
| Industrial Automation | AKGEC-BOSCH REXROTH | 1/04/2024 - 05/04/2024 | Ms. Rupa Rani | Computer Science and Engineering |
| 5 Days Online International Faculty Development Program on "Effect of Generative AI in Modern Research and Industry" | Sister Nivedita University, India, Department of Computer Science Engineering | 29/04/2024 - 3/05/2024 | Mr. B N Pandey Ms. Neerja Arora | Computer Science and Engineering |
| Industrial Robotics | AKGEC Ghaziabad | 6/05/2024 - 10/05/2024 | Mr. Manoj Kumar 2 Mr. Beerbal Solanki | Computer Science and Engineering |
| Advances in Computing Technology (A-FACT) | Amity University | 13/05/2024 - 17/05/2024 | Ms. Rachana Singh Sisodia | Computer Science and Engineering |
| Navigating the Future-Practical Applications in Machine Learning | IIT Roorkee | 20/05/2024 - 24/05/2024 | Ms. Rachana Singh Sisodia | Computer Science and Engineering |
| Unleash the New Age Educators in You | AKGEC | 6/06/2024 - 8/06/2024 | Dr. Akhilesh Verma Mr. Manish Kumar Ms. Ritika Dhyani | Computer Science and Engineering |

| Title | Organised By | Dates | Name of Faculty Members | Department |
|---|--|-------------------------|---|----------------------------------|
| AI and ML in Drone Application | NITTR, Chennai | 10/06/2024 - 14/06/2024 | Mr. Manish Kumar | Computer Science and Engineering |
| Development and Deployment of AIoT-based Solution for Industrial Applications | NSUT, Delhi | 17/06/2024 - 21/06/2024 | Mr. Pronab Kumar Adhikari | Computer Science and Engineering |
| AICTE Approved 8-Day UHV-III | IIT Kanpur | 6/07/2024 - 13/07/2024 | Mr. B N Pandey | Computer Science and Engineering |
| Unlocking the Fundamentals of Research Excellence | AKGEC | 8/07/2024 - 10/07/2024 | Mr. Manish Kumar | Computer Science and Engineering |
| Unlocking the Fundamentals of Research Excellence | AKGEC | 8/07/2024 - 10/07/2024 | Ms. Rupa Rani | Computer Science and Engineering |
| “Unlocking the Fundamentals of Research Excellence” | AKGEC | 8/07/2024 - 10/07/2024 | Mr. Mayank Trivedi | Computer Science and Engineering |
| Unleash the New Age Educator | AKGEC | 16/07/2024 - 19/07/2024 | Ms. Rupa Rani | Computer Science and Engineering |
| E-Mobility and Associated Power Electronics | AKGEC, Ghaziabad | 21/08/2023 - 25/08/2023 | Ms. Akriti Gupta Mr. Vivek Pansari Mr. Amit Kr. Tripathi Mr. Dilip Kumar Mr. Ashutosh Yadav Mr. A.K. Dubey | Mechanical Engineering |
| Fundamentals of Python Prog. | ITTTK | 18/09/2023 - 22/09/2023 | Mr. Ashutosh Yadav | Mechanical Engineering |
| Solid Works | E & ICT Academy, IIT Kanpur | 03/10/2023 - 07/10/2023 | Dr. Suman Gothwal Dr. Kamal Mittal Ms. Akriti Gupta MR. H.S.Chaurasiya | Mechanical Engineering |
| Methodology for Advanced Research and Quality Publication in Current Scenario | Department of Business Administration & IQAC, Theivanai Ammal College for Women (Autonomous), Villupuram | 25/10/2023 - 31/10/2023 | Dr. Suman Gothwal | Mechanical Engineering |
| Lean Six Sigma Overview | SAE India | 30/10/2023 | Ms. Akriti Gupta | Mechanical Engineering |
| Additive Manufacturing of polymers | Dr. B R Ambedkar NIT Jalandhar | 16/12/2023 - 20/12/2023 | Dr. Pradeep Jain | Mechanical Engineering |
| Additive Manufacturing: The Future of Manufacturing | AKGEC, Ghaziabad | 05/02/2024 - 09/02/2024 | Ms. Akriti Gupta | Mechanical Engineering |
| “Mastering the Core Elements of Research” | AKGEC, Ghaziabad | 22/02/2024 - 24/02/2024 | Dr. Pradeep Jain Mr. H.S.Chaurasiya | Mechanical Engineering |
| Intellectual Property Rights | AKGEC, Ghaziabad | 24/02/2024 | Mr. Amit Kr. Tripathi Ms. Akriti Gupta | Mechanical Engineering |
| Energy Storage Materials and Technology | NITTTR Chandigarh | 06/05/2024 - 10/05/2024 | Dr. Devendra Singh | Mechanical Engineering |
| Unleash The New Age Educator in You | AKGEC, Ghaziabad | 06/06/2024 - 08/06/2024 | Dr. Pradeep Jain | Mechanical Engineering |
| AI and ML in Drone Applications | NITTTR Chennai | 10/06/2024 - 14/06/2024 | Mr. Anshul Kr. Panchbhैया | Mechanical Engineering |

ALUMNI TALKS

| Name of Person | Designation and Institute/Industry | Topic | Date |
|----------------------------|---|---|------------|
| Mr. Siddharth Kumar | 5G-LTE Engineer, Software QA team at Qualcomm Hyderabad. | Recent Job Prospects in Electronics Industries | 27-09-2023 |
| Mr. Mohammad Kasim | SOC Design Engineer at Intel Corporation | Electronics Industry Trends and Innovation | 25-10-2023 |
| Mr. Manu Ram Pandit | Er. LinkedIn Bangalore | Design Abstraction and General Conversation | 27-10-2023 |
| Mr. Umang Khare | Machine Learning Engineer at Cognizant, Hyderabad | Career Path Choices in Electronics Industry | 29-11-2023 |
| Ms. Aashi Gupta | Senior Design Verification Engineer, NXP Semiconductors, Noida | Electronics Engineering Career: Paths & Opportunities | 29-11-2023 |
| Mr. Raj Kumar Maurya | Ernst & Young Global Limited | Transformers, LLMs, and its RAG Applications | 29-11-2023 |
| Mr. Arvind Tiwari | Sr. Manager, Oracle (India) | Devops & Cloud | 30-11-2023 |
| Mr. Ajay Saini | Senior Software Engineer at Emerson Automation Solutions, New Delhi | Vision of Industry 4.0 for Electronics Engineering | 15-12-2023 |
| Mr. Kumar Ashu | Co-Founder & Director, Exeliq Tech Solutions | Opportunities for Electronics Engineers | 15-12-2023 |
| Mr. Shashank Rusia | Associate Manager, Accenture | Emerging Software Development Trends | 12-01-2024 |
| Mr. Samyak Shukla | Senior Engineer, Western Digital Corporation, Bangalore | The Role of Digital Electronics in VLSI Design | 17-01-2024 |
| Mr. Himanshu Chaudhary | Senior Design Engineer, Qualcomm India Pvt. Ltd., Noida | Advancing a Career in Electronics Engineering | 17-01-2024 |
| Mr. Adarsh Kumar | Co-founder and CEO @Moondive | Generative AI in action | 18-01-2024 |
| Mr. Umesh Gupta | Associate Professor, Bennett University | The World of AI | 01-02-2024 |
| Mr. Chetan Prakash Gupta | Senior Lead STA Engineer, Qualcomm India Pvt. Ltd., Noida | Career Planning: Campus to Corporate | 11-03-2024 |
| Mr. Rishabh Burman | Infosys Data Science Senior Lead Analyst | Exploratory Data Analysis (EDA) walkthrough about a dataset, complemented with insights into current industry breakthroughs | 16-04-2024 |
| Mr. Manveer Bahadur | Global Commodity Sourcing Leader, GE Power, Switzerland | Career Guidance (International Career and Start/Up Journey) | 25-04-2024 |
| Ms. Surabhi Varshney | Cross Product Lead at DELL Bangalore | Industry Readiness | 19-06-2024 |
| Mr. Kartikey Kr Srivastava | Google India | Readiness for doing projects and industry | 25-06-2024 |
| Mr. Samarth Agarwal | Data Scientist DYNPRO | Share my Learning and Experience | 26-06-2024 |

FACULTY**New Members to the AKGEC Family**

| Name | Designation | Department |
|----------------------------|---------------------------|----------------------------------|
| Mr. Ashutosh Kumar Yadav | Senior Research Assistant | Mechanical Engineering |
| Dr. Ayushi Prakash | Professor | Computer Science and Engineering |
| Dr. Rakesh Kumar Yadav | Associate Professor | Computer Science and Engineering |
| Dr. Nishant Kumar Pahtak | Associate Professor | Computer Science and Engineering |
| Dr. Pawan | Associate Professor | Computer Science and Engineering |
| Mr. Bhupesh Kumar Gupta | Assistant Professor | Computer Science and Engineering |
| Mr. Mradul Kumar Jain | Assistant Professor | Computer Science and Engineering |
| Ms. Neeti Pahuja | Assistant Professor | Computer Science and Engineering |
| Mr. Ashish Kumar | Assistant Professor | Computer Science and Engineering |
| Ms. Bhumica | Assistant Professor | Computer Science and Engineering |
| Ms. Mahima Saxena | Assistant Professor | Computer Science and Engineering |
| Ms. Dhanshri Parihar | Assistant Professor | Computer Science and Engineering |
| Mr. Updesh Kumar Jaiswal | Assistant Professor | Computer Science and Engineering |
| Mr. Manoj Kumar Srivastava | Assistant Professor | Computer Science and Engineering |
| Ms. Ritika Dhyani | Assistant Professor | Computer Science and Engineering |
| Ms. Khushboo Malviya | Assistant Professor | Computer Science and Engineering |
| Ms. Vaishali Deshwal | Assistant Professor | Computer Science and Engineering |
| Mr. Amit Kumar | Assistant Professor | Computer Science and Engineering |
| Ms. Gunjan Saxena | Assistant Professor | Computer Science and Engineering |
| Mr. Beerbal Solanki | Assistant Professor | Computer Science and Engineering |
| Ms. Manisha Rai | Assistant Professor | Computer Science and Engineering |
| Mr. Mayank Trivedi | Assistant Professor | Computer Science and Engineering |
| Mr. Surendar Kumar | Assistant Professor | Computer Science and Engineering |
| Ms. Neeharika Tripathi | Assistant Professor | Computer Science and Engineering |
| Mr. Arvind Goutam | Assistant Professor | Computer Science and Engineering |
| Ms. Amrita Tiwari | Assistant Professor | Computer Science and Engineering |
| Mr. Pushkal Kumar Shukla | Assistant Professor | Computer Science and Engineering |
| Ms. Hina Singh | Assistant Professor | Computer Science and Engineering |
| Mr. Atul Kumar Singh | Assistant Professor | Computer Science and Engineering |
| Ms. Rupa Rani | Assistant Professor | Computer Science and Engineering |
| Ms. Rachana Singh Sisodia | Assistant Professor | Computer Science and Engineering |
| Dr. PK Shrivastava | Assistant Professor | Applied Science and Humanities |

| Name | Designation | Department |
|----------------------------|---------------------|---|
| Dr. Rohit Kumar | Assistant Professor | Applied Science and Humanities |
| Dr. Shubham Kumar | Assistant Professor | Applied Science and Humanities |
| Dr. Preeti Kaushik | Assistant Professor | Applied Science and Humanities |
| Dr. Vinay Gaur | Assistant Professor | Applied Science and Humanities |
| Dr. Nitin Kumar Sharma | Assistant Professor | Applied Science and Humanities |
| Dr. Himani Garg | Professor | Electronics and Communication Engineering |
| Dr. Monika Jain | Professor | Electronics and Communication Engineering |
| Dr. Gaurav Saxena | Associate Professor | Electronics and Communication Engineering |
| Dr. Pankaj Goel | Assistant Professor | Electronics and Communication Engineering |
| Dr. Vipin Kumar Sharma | Assistant Professor | Electronics and Communication Engineering |
| Mr. Prashant Mani Tripathi | Assistant Professor | Electronics and Communication Engineering |
| Ms. Ankita Sharma | Assistant Professor | Electronics and Communication Engineering |
| Dr. Shobha Sharma | Assistant Professor | Electronics and Communication Engineering |
| Mr. Shailendra Kumar Ojha | Assistant Professor | Electronics and Communication Engineering |
| Dr. Lokesh Kumar Varshney | Professor & HOD | Electrical and Electronics Engineering |
| Dr. Sunil Kumar | Professor | Information Technology |
| Dr. Anju Mishra | Associate Professor | Information Technology |
| Ms. Priti Choudhary | Assistant Professor | Information Technology |
| Dr. Nitin Sharma | Assistant Professor | Information Technology |
| Mr. Amit Kumar | Assistant Professor | Information Technology |
| Mr. Anil Kumar | Assistant Professor | Information Technology |
| Ms. Chitra | Assistant Professor | Information Technology |
| Ms. Shailza Kanwar | Assistant Professor | Information Technology |
| Ms. Priya Singh | Assistant Professor | Information Technology |

Faculty Promotions

| Faculty Name | Designation | Department |
|-------------------|---------------------|---|
| Dr. Karunesh | Associate Professor | Electronics and Communication Engineering |
| Dr. Amita Asthana | Associate Professor | Electronics and Communication Engineering |
| Dr. Sonam Gupta | Professor | Computer Science and Engineering |
| Dr. Anuradha | Associate Professor | Computer Science and Engineering |
| Dr. Jaishree Jain | Associate Professor | Computer Science and Engineering |
| Dr. Ashish Dixit | Associate Professor | Computer Science and Engineering |
| Dr. Nandita Goyal | Associate Professor | Information Technology |

Higher Qualification

| Name of Faculty | Department | Degree Awarded | Topic | University |
|-----------------------------|------------|----------------|--|--|
| Dr. Amita Asthana | ECE | Ph.D | Design of Digital Cross Connect For Reconfigurable Optical Network | Amity University, Lucknow, Uttar Pradesh |
| Dr. Sulekha Saxena | ECE | Ph.D | Detection of Cardiac Diseases Using Heart Rate Variability Signal and Tomography Image | Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh |
| Dr. Divya Sharma | ECE | Ph.D | Augmented Perovskite Solar Cell Model Employing Viable Materials To Improve Efficiency | National Institute of Technical Teachers Training & Research, Chandigarh |
| Dr. Prashant Mani Tripathi | ECE | Ph.D | Design of high performance and efficient algorithms for cardiac abnormality detection from ECG signals | Bennett University, Greater Noida, Uttar Pradesh |
| Dr. Hari Shanker Chaurasiya | ME | Ph.D | Mechanical and Microstructural characterization of cold metal transfer welded aluminum metal matrix composite joints | Delhi Technology University |
| Dr. Anuradha | CSE | Ph.D | Estimation of Optimized Network Reliability Method using Artificial Neural Approach | AKTU, Lucknow |
| Dr. Jaishree Jain | CSE | Ph.D | Security on Healthcare Analysis over Cloud | Teerthanker Mahaveer University, Moradabad |
| Dr. Ashish Dixit | CSE | Ph.D | Design of Novel Watermarking Techniques using Machine Learning for Protection of Multimedia Contents | Shobhit University, Meerut |
| Dr. Shailza Kanwar | IT | Ph. D | Design And Development of Cross/ Project Defect Prediction Model For Software Testing Using Machine Learning | NIT, Delhi |
| Dr. Anil Kumar | IT | Ph. D. | Utilization of NLP Annotation Mapping for Relationship Determination Hereditary or Genetic Diseases | Glocal University, Saharanpur, UP |

TECHNICAL CLUBS AND SOCIETIES

CLOUD COMPUTING CELL

SPOCC'23

Cloud Computing Cell organized annual recruitment drive "SPOCC'23" to recruit new talent from second-year students. It was conducted in three phases. The first was an online coding round where the best 5 performers were selected for the Interview round. A common test was also conducted in college labs. The top 90 performers were called for an interview round. After the successful conduction of interviews, 35 students were selected as a trainee for the Cloud Computing cell for domains ranging from Web development and Cloud Computing to Machine Learning. The event was conducted under the guidance of Faculty Coordinator Mr. Santosh Kumar.

TechBuzz

The Cloud Computing Cell organized an event named "TechBuzz," which featured Mr. Rohit Negi, a renowned YouTuber and tech enthusiast. Mr. Rohit Negi, the famous youtuber who inspired all with his insights and tips on how to thrive in the tech industry. He shared his personal journey, his challenges and achievements, and his vision for the future of technology. He gave many valuable advices to pursue our passions and goals. The event was conducted successfully under the guidance of Faculty Coordinator Mr. Santosh Kumar and Dr. Veena Bharti.

NIMBUS

Cloud Computing Cell conducted "NIMBUS" a hands-on introduction workshop to GIT&Github, Cloud Computing, Python Programming, Docker and Machine Learning on 24- 25 May 2024 at Main seminar hall. The workshop was conducted successfully under the guidance of Mr. Santosh Mishra and Dr. Veena Bharti faculty coordinator of Cloud Computing Cell.

On the first day, members of the Cloud Computing Cell taught about Git and Github, Cloud Computing, basics of Python Language with hands-on on each topic. On the Second day, all issues and queries regarding Python were resolved and then all participants were introduced to Docker and its use was demonstrated. Workshop was concluded with a mega Quiz which had questions related to the topics taught on both the days. Top performers of the quiz were directly called for interview round for the recruitment. lculated on the basis of both the rounds. The rounds were hosted on hackerrank.com.



TECHNICAL CLUBS AND SOCIETIES

BIG DATA CENTRE OF EXCELLENCE

RUSH HOUR

Big Data Centre of Excellence successfully organized a one-day offline coding contest, “RUSH HOUR” for second-year students in IT labs on 30 November 2023. The event was successfully conducted on the Hacker rank platform. A total of 120 students from the second year participated in the event. The participants were registered in a team of two, where each team worked on solving problems and earned points. The least scoring teams got eliminated every few minutes and the last three standing teams were declared the winner.

The top three teams of the event were awarded with cash prizes.



| Position | Team Name | Student Name | Reward |
|----------|---------------|--------------------|--------|
| 1st | Logic Hunters | Krishna Bansal | 1500 |
| | | Manasvi Agarwal | |
| 2nd | Code Crushers | Pranjal | 1000 |
| | | Siddhant Gupta | |
| 3rd | Rtd | Ramneet Singh | 500 |
| | | Prashant Chaudhary | |

Townhall 2.0

The Big Data Centre of Excellence Society hosted a major workshop titled “Townhall 2.0” for first- and second-year students, aimed at nurturing talent and fostering innovation within the college community. The workshop was held in the CSIT seminar hall on 13-14 April 2024. The workshop covered various domains, including Data Structures and Algorithms (DSA), Blockchain, UI/UX Designing, Machine Learning, Web Development, and App Development. A total of 91 students from different departments participated in the event. After the workshop, participants were given tasks in each domain and a winner was selected for each. The winner of each domain received a cash prize of Rs 1000 and a certificate



TECHNICAL CLUBS AND SOCIETIES

CENTRE OF METAVERSE

VISION

Centre of Metaverse organized a workshop on AR/VR, which recorded an excellent participation of over 100 first-year students with a three-day intensive exploration of augmented and virtual reality sessions. Practical, Hands-on sessions in Blender and Unity, led to building of an Image Tracking project. Students also learned to create their own 3D Models, empowered participants to create immersive experiences.



SMART INDIA HACKATHON

A team of second and third-year students from Centre of Metaverse represented us at the Smart India Hackathon, a prestigious national event. The team was selected as finalists. The team had developed "VR RescueX," a virtual reality training simulator aimed at enhancing the NDRF's disaster response capabilities. The team has proposed an innovative solution addressing a critical need for effective training and preparedness in disaster management.



| Student Name | Year |
|-----------------|------|
| Priyanshu Saini | 2nd |
| Apurva Singh | 2nd |
| Abhishek Sharma | 2nd |
| Adviti Singh | 3rd |
| Janhavi Verma | 3rd |
| Divy Sharma | 3rd |

IDE BOOTCAMP

Second-year students of Centre of Metaverse, participated in a five-day IDE Bootcamp at Jaypee Noida, showcasing their innovative ideas for VR-based training and algae-based bioplastics. The team earned a certificate and honourable mentions for their presentations.

GAME JAM

Two second-year students from Centre of Metaverse, Abhishek Sharma and Priyanshu, participated in a GameJam at IIT Jodhpur. Their project, focusing on AR and 3D chess, secured them 1st spot in the final round.



TECHNICAL CLUBS AND SOCIETIES

BLOCKCHAIN RESEARCH LAB (BRL) CENTRE OF EXCELLENCE

Reload '23 The Recruitment Drive

The BRLCoE organized Reload '23 on 12 September 2023, which provided an opportunity for 2nd-year students to be a part of the Society. For this event, the registrations were organized through BRL Application which received an overall 364 registrations from students of 2nd Year. The recruitment test was conducted on the Portal which was developed by the Blockchain Research Lab team. The recruitment drive for Blockchain Research Lab was a resounding success, resulting in the addition of 21 passionate and talented students to our ranks.



Insight Quest

A dynamic session Insight Quest was organized by BRLCoE on 29 November 2023. The session converged students with Co-Founder of Coding Ninjas Mr. Ankush Singla. A preliminary screening contest was conducted on 27 November 2023 and a live Q&A session set the stage for rewarding the top three scorers with sponsored prizes from the Coding Ninjas team.

The event received more than 150 registrations. The event was guided by Dr. Aditya Pratap Singh and graced by dignitaries including Dean First Year Prof. Kapoor and Head of Departments Dr. Anu Chaudhary and Dr. Rahul Sharma.



The students awarded were :

| Student Name | Branch/ Year |
|---------------------|--------------|
| Madhur Vikram Singh | IT III Year |
| Ananya Singhal | CSE II Year |
| Lakshaya Goel | CS II Year |

BlockVerse '24

BRLCoE organized BlockVerse'24 for first-year and second-year students on 20 April 2024. This dynamic event provided an opportunity for participants to showcase their technical and problem-solving skills. BlockVerse'24 received 140 registrations. It was conducted in two phases:

Project Building: In this round, teams were allocated a particular website scheme which had to be replicated using HTML and CSS.

Crypt Hunt and Blackbox: In Crypt Hunt, teams had to decode cryptic code and solve puzzles. In BlackBox, teams had to use their reverse engineering skills to determine the input and output of the questions.

The Blockverse winners were as follows:

Winners: First Year

- 1st Team: Dhvanik (Aryan Garg)
- 2nd Team: Team01 (Himanshu Tomar)
- 3rd Team: akgecian (Atul Gupta)



Winners: Second Year

- 1st Team: Forget (Rishi Keshari & Vishal Malyan)
- 2nd Team: Team Swastik (Akhil Agarwal & Rishi Agarwal)
- 3rd Team: PX Pioneers (Prakhar Singh & Rishi Raj Singh)

TECHNICAL CLUBS AND SOCIETIES

CSI

“CINE-2023” (CSI Induction of New Entrants)

Team CSI organized CINE'23 to welcome second-year students to the Computer Society of India. After the technical and PI rounds, 41 students were selected as Team CSI 2nd year trainees for probation. To assess the performance, the students were assigned a variety of projects both individually and in groups. The probation period culminated on 20 November 2023. 17 students who had performed excellently were selected. The event was conducted with 3 rounds:

- Online Test- More than 200 students participated in the online test which was conducted under the technical domain. The technical section included C/C++, HTML/CSS and APTITUDE.
- Personal Interview- The students who qualified the first round were interviewed by both 3rd and 4th year CSI members. The PI round was done in slots. It continued for about 4 days.
- Final Selection- 41 students who qualified the PI round were finally selected as the members of TEAM CSI.



CODESHELL 4.0

It was an exhilarating competitive coding event hosted on the renowned platform, Hackerrank, aimed at nurturing the problem-solving skills and fostering a passion for programming among participants. The event garnered an overwhelming response, attracting students from the second, third, and fourth years of various academic disciplines. We received a huge number of registrations. At the culmination of the contest, the top performers from each academic year were lauded for their exceptional performance. These outstanding individuals were awarded a total cash prize of Rs. 6000. Overall, the event served as a platform to inspire and empower the programmers, fostering a culture of innovation, collaboration, and technical excellence within the academic community.



The Winners of the event were:

| Name | Student No. | Year |
|------------------|-------------|------|
| Aakarsh Singh | 2231174 | 2nd |
| Rohit Yadav | 22153105 | 2nd |
| Lakshay Gupta | 22154006 | 2nd |
| Tushar Chauhan | 2110062 | 3rd |
| Shreyansh Mittal | 2113042 | 3rd |
| Harshit Rai | 2113052 | 3rd |
| Tushar Jain | 2012041 | 4th |

Vista 2.0

Vista 2.0 was organized by team CSI on 11 September 2023. The event provided 2nd-year students with a comprehensive overview of the latest tools, technologies, and domains shaping the future landscape of various industries. The event was aimed to equip participants with valuable knowledge and foster a sense of community and collaboration among participants.



TECHNICAL CLUBS AND SOCIETIES

Render 2.0"

The team CSI conducted a 3-day workshop for 1st and 2nd year students from 2- 4 May 2024. Workshop was on the Domain - Web Development, i.e HTML, CSS, JavaScript and React JS. The Events course featured two projects: CanvasCraft and Weather Website, which incorporated HTML, CSS, JavaScript, and React JS. These projects provided students with practical experience in developing dynamic and interactive web applications using a combination of frontend technologies.



Winner of Event:

| Name | Student No | Branch |
|----------------|------------|------------|
| Kaustubh Singh | 23153008D | CSE(AI-ML) |
| Aditya Gupta | 2313047 | IT |
| Mayank Sharma | 2312186 | CS |

GOOGLE DEVELOPER STUDENT CLUB

Google Cloud Study Jams

The Google Developer Student Club successfully organized two impactful events for the Google Cloud Study Jam. The first was an Online Info Session held on 6 October 2023, followed by an engaging Study Session on 15 October 2023. These sessions were dedicated to introducing participants to Google Cloud technologies, offering hands-on experience in domains such as Cloud Computing, Kubernetes, and Data Science through Qwiklabs labs. Both sessions saw enthusiastic participation, with attendees gaining valuable practical skills and earning completion badges. The workshop was effective and helped the students learn about the basics of each domain, which would further help them choose their desired field.



Tensor Flow: Power Up

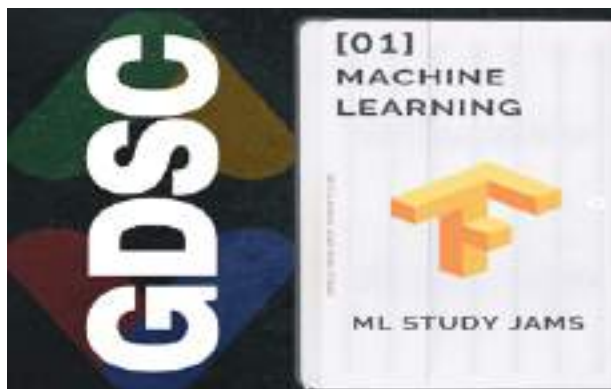
The Google Developer Student Club successfully organized an offline event featuring a speaker session on 4th November 2023. This session focused on cutting-edge topics such as GitHub Copilot, TensorFlow, Generative AI, and AR/VR technologies. Students from various years participated enthusiastically, gaining insights into the latest advancements in these fields. The event was concluded with an interactive Q&A session, where attendees asked questions on topics like real-world applications, project ideas, and career paths in AI and VR were addressed.



TECHNICAL CLUBS AND SOCIETIES

ML Study Jams

The Google Developer Student Club successfully organized an online event, 'ML Study Jams,' on 24 January 2024. The event was aimed at providing students with practical, hands-on experience in Machine Learning. The session was enriched by guest speaker Mr. Ritvik Sharma, representing the ML Domain of our club, core concepts and real-world applications. Students across various years participated with great enthusiasm. The event concluded with an engaging Q&A session, where questions regarding career paths, project ideas, and advanced ML concepts were addressed.



CONATUS

Epoch of Cognition

Team Conatus organized 2 days technical event Epoch of Cognition on 16 - 17 April 2024 with 150 participants and 40 Team Conatus members. The event was carefully designed for first and second-year students engaging them in an interactive and educational AI Challenge, fostering their understanding of artificial intelligence while honing their coding skills. The event included the dynamic rounds of quizzes, games, and coding challenges to promote teamwork, problem-solving, and innovation among participants.

The winners were as follows:



| Position | Team Name | Leader Name |
|----------|--------------|---------------|
| 1. | Regressors | Yuga Jaiswal |
| 2. | Ctrl Alt Del | Lakshay Gupta |
| 3. | Cybernerds | Surya Kumar |

Techno Conclave

Team Conatus organized 5 days workshop **Techno Conclave** on 2 - 7 December 2023 with 150 participants including team Conatus members. The primary objective of this event was to expose the participants to diverse domains, including AR, VR, entrepreneurship, design, and other technological advancements. Each day of the event was dedicated to one domain, with renowned speakers and experts conducting sessions, workshops, and interactive discussions.



TECHNICAL CLUBS AND SOCIETIES

PROGRAMMING CLUB

CODECRUNCH

The event Codecrunch was conducted on 13 December 2023. The event was conducted for second- and third-year students including competitive programming, data structure and algorithm. The event was organized using Hacker Rank Coding platform. In this event approx. 150 students have participated in which 3 students got cash prize of ₹1500, 1000 & 500 respectively.

#INCLUDE 3.0

This Event consist of 2 day workshop followed by coding contest organized on 16 – 18 April 2024 with 155 participants and 40 programming club members. The workshop is organized to promote and enhance the competitive programming skills of first and second year students. The members of the club taught concepts of competitive programming and DSA.

OSSR&D CENTRE

COMMIT – 2 DAY Open Source Workshop

Open Source Software and Cyber Security Club hosted a two-day open source workshop "Commit" on 30 April - 1 May 2024.

The workshop introduced students to the world of open source development through a mix of lectures and hands-on activities. Sessions were designed to cover a range of topics, including version control with Git, collaborative coding on platforms like GitHub, and contributing to open-source projects. Students got to work with Linux environments and learned about major open-source programs like Google Summer of Code (GSoC).



The event featured a coding contest that allowed students to apply their new skills. Prizes and certificates were awarded to the top three finishers in the contest. The first-place winner received a cash prize of Rs 3500, while the second place and third place winners received Rs 2500 and Rs 1500, respectively. All participants received certificates of participation, and a bag of goodies. The workshop was conducted successfully under the guidance of Dr. Sonam Gupta.

MACHINE LEARNING CENTRE OF EXCELLENCE

Beyond the Binary

Machine Learning Center of Excellence conducted an event "Beyond The Binary", a code, along with an introduction workshop to Machine Learning and GEN-AI Workshop on April 27 and 28 at the CSIT Seminar Hall. A total of 65 students registered for the workshop

On the first day of the session, students learned about Basics of Python, Machine Learning and Deep Learning. The session was led by Dr. Sonam Gupta, Professor, CSE Department and Mr. Pradeep Gupta, Assistant Professor, CSE Department along with MLCoE third year and second year students. On the second day participants learned Mathematics of Machine Learning, Hands on Projects. A



Contest with the prize pool of rupees 7500 was also conducted. Goodies were distributed among the students on the second day, and they were also provided with refreshments. The workshop was conducted successfully under the guidance of Dr. Sonam Gupta, faculty coordinator of MLCoE.

TECHNICAL CLUBS AND SOCIETIES

Hour Of Code

The ACM student Chapter organized the annual "Hour of Code" coding competition on 5 December 2023. A total of 109 students participated in the workshop.

The competition consisted of a series of coding challenges in languages such as C, C++, and Java. The challenges were designed to test the students' problem-solving skills and knowledge of programming concepts such as loops, variables, and data types.

The winners of the competition were awarded a cash prize of Rs 2000 for winner, Rs 1000 for runner up and of Rs 500 for second runner up along with certificates.



SAMVEG

AACAR 9.0

The event was conducted by SAMVEG society from 18-19 May 2024 to showcase the uniqueness of society in the field of cars. The event was focussed to equip students of first year with better understanding of the concepts and vision of society. The event witnessed the SAE's visit to the BOSCH lab with a unique automotive odyssey. The participants developed a deep knowledge of vehicle systems and their complex machinery over the two days event. The event was conducted under the guidance of SAMVEG faculty coordinator Mr. Amit Kumar Tripathi.

Tech Symposium(ISTE)

The event was organized by SAMVEG society on 22 June 2024. The event provided students with a platform to showcase their knowledge and explore modern technological domains. The event was held under the guidance of Dr. Pallab Biswas, Dean Student Welfare and Dr. Kamal Mittal.



TECHNICAL CLUBS AND SOCIETIES

NIRMAAN

CAD shop 2.0

The event CAD shop 2.0 was conducted by the technical society of Civil Engineering NIRMAAN on 15 - 18 April 2024. The event was aimed to enrich the students with AutoCAD skills and provide the opportunity to explore talent and intelligence in the domain of designing.

The event was conducted for 1st, 2nd and 3rd year students in form of a workshop for the two days. A competition was conducted on the last day of the event and the winners were awarded with cash prizes and certificates. The event was conducted by the student coordinators OM Verma and Shrey Malik.

The winner were:-

| | | |
|-----------------|-------|----------|
| Amratansh Singh | Civil | 2nd Year |
| Nikhil Goswami | CSE | 1st Year |
| Priyanshu Yadav | CSIT | 1st Year |

OORJA

TECHBRAWL

The technical society OORJA organized an event named TECHBRAWL on 23 September 2023. A total of 56 teams participated in the event. The event was divided into three rounds, which tested the participants' knowledge, skills, and technical expertise.

On 23 September 2023 a workshop was organized in our college. It was a captivating workshop as it received massive participation from students of the all departments. Students registered online through Google form and a team of 2 members were formed for the hands-on session after the technical Session. The event was conducted under the guidance of OORJA faculty coordinator Mr. Dinanath Prasad with student coordinators Siddhardh, Astha, Muskan Gupta and Aniket. The winners were awarded with prize money of Rs. 3500/- and certificates.

Micro Master

The workshop "MICRO MASTER" was conducted by OORJA society on 13 April 2024. 55 students from the 1st and 2nd years participated in the workshop. The workshop was focused on providing students with comprehensive knowledge and practical skills in programming and interfacing related to the Atmega8A microcontroller. The workshop successfully provided students with valuable insights into the practical applications of the Atmega8A microcontroller and encouraged them to apply their theoretical knowledge to real-world projects and competitions. The event was conducted under the guidance of OORJA faculty coordinator Mr. Dinanath Prasad with student coordinators Siddhardh Kumar Singh. The winning team members Piyush, Anvesha, Nikhil Kumar and Aakah Saini were awarded with prize money of Rs. 3500/- and certificates.



TECHNICAL CLUBS AND SOCIETIES

PHOENIX

Founders Day Celebration

Phoenix the technical Society of ECE department celebrated its Founders Day on 20 September 2023. Phoenix member students showcased their talents and dedication to the field of Electronics and Communication Engineering. The event witnessed the unveiling of an electronic board themed around Chandrayaan-3, India's ambitious lunar exploration mission. The board was meticulously prepared by the students which not only displayed their technical prowess.



Robofestinate

Team Phoenix organized an event “Robofestinate” in the Lawn in front of Mechanical Department on 25 November 2023. A dedicated team of Phoenix Society prepared the Robo-Track consisting of sea-saw, bridge, U-turn, speed breaker etc. Robofestinate event was centered on AI model focusing around tasks & challenges related to design, implementation of AI Robotics. Total 21 teams were registered for the event. 03 winning teams were provided with cash prize and certificate.



Technical Seminar

Team Phoenix organized a technical seminar on the topic “The Internet of Robotic Things” on 25 April 2024. Four teams from the final year delivered their presentation, which was attended by 2nd and 3rd Year students of Phoenix. The seminar created awareness about the current trends in the field of robotics.



TECHNICAL CLUBS AND SOCIETIES

Roboverse-2024

Team Phoenix organized the Annual Technical Workshop, “ROBOVERSE-2024,” on 25 May 2024 in collaboration with the IEEE Communication Society Student Branch Chapter. The workshop was aimed to focus on the Internet of Robotic Things (IoRT). A total of 76 first-year students from various engineering disciplines had participated in the workshop. The workshop introduced participants to the fundamentals of IoRT, providing hands-on experience in creating IoRT applications and imparting real-world knowledge in programming, cloud computing, and hardware skills. The event featured quizzes, project demonstrations. The workshop covered the topics of IoT and robotics, with practical sessions on Arduino and Node MCU platforms. The workshop culminated in a project involving the development of a surveillance robot using the ESP32-CAM. The winners, along with the organizing team members from Team Phoenix and the IEEE Communication Society Student Branch Chapter were awarded with gifts and certificates from Prof. Neelesh Kumar Gupta, HoD, ECE.



EVENTS @ AKGEC

STUDENT AWARD CEREMONY

Ajay Kumar Garg Engineering College, celebrated an evening of distinction and achievement during the Extracurricular and Sports Award Ceremony on 1 March, 2024. The event served as a platform to recognize and applaud the diverse talents within the AKGEC community.

The ceremony honoured the dedication of Fit India Week winners, recognizing their contribution to fostering a healthy and active lifestyle while embodying the spirit of sportsmanship. The Vigilance Week Essay Writing Competition winners were acknowledged for their insightful contributions and exceptional writing, emphasizing the importance of vigilance and ethical practices.

Recognition was given to the organizers of “नवाध्याय ‘२३”, the fresher’s event that warmly welcomed new members to AKGEC. The ceremony culminated with a celebration of outstanding athletic achievements, awarding the inter-college sports events winners and embodying the spirit of sportsmanship.



FRESHERS' PARTY

AKGEC organized a highly successful Freshers' Party (“नवाध्याय '२३”) on 8 December 2023, bringing together B. Tech, M. Tech, MCA, and MBA students. The meticulously planned event fostered warmth and camaraderie, as the college community wholeheartedly welcomed the newest members. The festivities included spirited interactions, engaging activities, and a vibrant showcase of talent. AKGEC's commitment to creating a profound sense of belonging was evident in every detail, leaving an indelible experience for incoming students. The triumphant execution of “नवाध्याय '२३” set a positive tone for the academic year, highlighting AKGEC's dedication to establishing a supportive and inclusive learning environment.



KAVI SAMMELAN



As the stars began their enticing dance in the evening sky of 19 April 2024, 'Shaam-e-harf' blossomed into a captivating symphony of words. Team Footprints enthralled the audience by orchestrating an evening. The presence of distinguished Director General, Dr. R.K. Agarwal added a radiant aura to the celebration of literary prowess.

And as the echoes of verses faded into the night, we were left with not just memories but a profound connection to ourselves, each other and the boundless universe of literature itself. In that shared moment, 'Shaam-e-harf' became an everlasting testament to the power of poetry to unite, edify and illuminate our souls.



VISHWAKARMA PUJA



AKGEC celebrated "VISHWAKARMA PUJA" on 17 September 2023, at 9:30 am in the Mechanical Engineering Workshop. The event was attended by a diverse group of individuals, including Heads of Departments (HoDs), Deans, Professors, Section Incharges, and Lab Assistants. This reflects the importance and inclusivity of the celebration within the academic community. Additionally, students from various years also participated in the puja, emphasizing the involvement of the student body.

DIWALI FAIR EVENT

In a vibrant celebration of cultural diversity, AKGEC hosted the Diwali Fair Event on 4 November 2023. This event seamlessly blended tradition and modern enthusiasm, featuring student vendors offering handicrafts, traditional

clothing, games, and delicious food. It fostered intercultural dialogue and camaraderie, promoting a friendly and scholarly atmosphere.

The success of the event was attributed to meticulous planning and highlighted AKGEC's commitment to community building and mutual respect. Team HORIZON masterfully managed the event with support from Team Renaissance and Team Footprints. Team Euphony provided a melodic backdrop, enhancing the cultural ambiance, and Team Goonj delivered a captivating dramatic performance in line with Vigilance Awareness Week.

The Photography and Media Club played a crucial role in documenting the event. The collective efforts of all participants and their valuable presence made this a memorable event. The Diwali Fair Event brilliantly united the community, celebrating tradition and culture.



DEEPAWALI EVENING CELEBRATION



AKGEC celebrated Diwali on 4 November 2023, uniting its management, faculties, staff, and their families in a splendid display of culture and unity. The event featured captivating cultural performances, including Gujarati dances, a fashion show, skits, duet songs and more showcasing India's rich cultural heritage. The enthusiastic audience response added to the event's vibrancy. Children from Adarsh Vikas Kendra and refugee camp were recognized with prizes and gifts enhancing the festive spirit.

Diwali celebration provided a platform for individuals from diverse backgrounds to come together, fostering cultural understanding and harmony. The event's success was attributed to meticulous planning, the creation of a friendly and scholarly atmosphere, the enrichment of AKGEC's cultural tapestry, and the college's unwavering commitment to nurturing a sense of community and mutual respect among its members. Director General Dr. R.K. Agarwal and members of the AKGEC management graced the event with their presence.



25th AJAY KUMAR GARG MEMORIAL TABLE TENNIS TOURNAMENT



AKGEC organised the 25th edition of the prestigious annual sports event Ajay Kumar Garg Memorial Table Tennis Tournament under the aegis of Ghaziabad Association of Table Tennis (GATT) affiliated with Uttar Pradesh Table Tennis Association in the college during 3-4 February 2024. The National Level Tournament is held every year for all professional Institutes, colleges and schools of the country.

The tournament was participated by 24 teams and 225 participants in singles category from various parts of India like Uttar Pradesh, Haryana, Rajasthan and Delhi. Participation by State and National level players raised the level of the game to high standards during the tournament.

The tournament was a huge success as young players mesmerized everyone with their skillful game. The winners cherished their moments while others vowed to come back stronger next year.

The closing ceremony was held on 04th February 2024. Mr Deepak Malik a renowned sports enthusiast was the Chief Guest. The presence of Honourable members of Board of Governors, Mr Vinay Garg, Mr Sudhir Agarwal, Director General Dr R K Agarwal, added to the glory of the event. Mr Rajeev Sharma, the organising secretary presented the Tournament brief. The Heads of Departments, Deans, Section Incharges, Faculty, staff and students of AKGEC along with members of Ghaziabad Table Tennis Association witnessed the prize distribution ceremony. A total prizes money of Rs 100,000/- along with trophies and certificates were presented to the winners.

WINNERS

| Category | Team members |
|-------------------------|---|
| Men's Team | Sarth Mishra Sarthak Seth Faisal Ali Kashish |
| Women's Team | Gungun Srishti Prerna |
| Men Single | Divyansh Srivastava |
| Women Single | Shrishti Jaiswal |
| Junior Boys (<19) | Veer Balmiki |
| Junior Girls (<19) | Ayushi Singhal |
| Men Doubles | Sarth Mishra Divyansh Srivastava |
| Mixed Doubles | Sarth Mishra Aarti Chaudhary |
| Veteran Men (>40 years) | Sumit Nagpal |

17th ALUMNI MEET

The 17th edition of the Alumni Meet was held on 30 March 2024. The event continued the tradition of bringing together alumni spanning across different batches from 2003 to 2023. With approximately 500 alumni in attendance along with their families. The event was a testament to the strong bonds formed within the AKGEC community. This meet commenced with a warm welcome extended to the alumni and their families. It was filled with motivational speeches, a panel discussion on 'How can AKGEC alumni support each other,' and enjoyable activities such as Tambola, a college-themed quiz, and musical chairs.

The event also featured energetic dance performances, melodious music, and a thrilling DJ event, adding to the festivities. Throughout the event, there were informal interactions between the alumni and key figures from the college, including the Director General, Heads of Departments, Section In-charges, and Faculty members. The conclusion of the meeting was marked by a Lucky Draw followed by a dinner shared amongst all attendees.



INAUGURATION OF DELHI NCR ALUMNI CHAPTER

The college successfully inaugurated the Delhi NCR Alumni Chapter on 31st August 2024. The event witnessed overwhelming participation, with 130 alumni from the 2002 to 2020 batches joining the meet.

Following the election results, eight alumni were selected as governing body members for the chapter. The event commenced with a welcome address that extended best wishes for the continued success of all alumni. The bylaws for the members were outlined, ensuring a clear framework for the chapter's operations.



In addition, three outstanding alumni were recognized with special awards for their exceptional contributions. The event also featured an engaging session where several alumni shared their experiences, reflecting on their journey and growth.

The successful inauguration of the Delhi NCR Alumni Chapter marks a significant step toward strengthening alumni connections and fostering a vibrant network of the college's graduates.

GARBA NIGHT

The college hosted a vibrant and colorful Garba Night at the Girls Hostel on 11 December 2023, Organized by the girl students of the college. The event brought together students and faculty for an evening filled with music, dance, and festive cheer. The evening featured graceful dance performances, a melodious musical showcase, spirited games, and the lively 'Miss Garba' contest, which highlighted the talent of fourth-year participants. The beautifully adorned venue added to the festive atmosphere, captivating everyone's attention.

The event fostered a sense of community and cultural appreciation among the attendees. The evening concluded with a heartfelt speech and a promise to make the next event even bigger and better.



VASUDHA 2K24



Aligning with the United Nations Academic Impact (UNAI) and Sustainable Development Goals (SDGs), a series of events on International Earth Day titled 'Vasudha 2K24' was organized by the Value Education Cell at AKGEC.

The 4-day program series began on 22 April 2024, with a session of Sh. Vijay Pal Baghel, popularly known as **'The Green Man of India'**. He initiated the session with sacred Shree Vriksh Arti, involving all the audience in the hall. The declaration of the global event "Ek Ped Dharti Ke Naam" on the day from AKGEC premises was a glorious moment, witnessed by students, faculty members, and authorities, and the event is also registered in the United Nations.

During the global event, Sh Vijay Pal Baghel distributed plants to the director general, director, and deans, symbolizing the start of a global movement led by nature-loving volunteers. The audience, inspired by his words, pledged to plant new trees, conserve natural resources, and strive for a plastic and pollution-free earth. He expressed his gratitude to the Director General for his nature-friendly policies that have been effectively implemented at the institution.

A plantation drive also occurred in his amiable presence, where college authorities and Value Education Cell members accompanied him.

On the occasion of **International Earth Day**, Vasudha 2K24, AKGEC organised a Nest making Workshop by **"The Nest Man of India"** Shri Rakesh Khatri on 25 April 2024 as an effort towards protecting the Sparrow. 83 registered students and faculty members keenly participated in the workshop and learnt to make the Nest using Bamboo sticks, jute thread and husk provided in the kit. All the attendees and participants appreciated the program as it touched the significant aspects of their own lives and could foresee the climatic threats if not taken the required measures. Many students and faculty members had one-to-one interaction with the Nest Man of India. Going through his struggles to the success story was inspirational and an enriching experience for everyone.



FAREWELL PARTY

Prayan '24 the farewell party for the final year students of B.Tech & MCA was organized on 31 May 2024, at the college football ground. The final year students shared their memories through speeches and witnessed various performances by juniors. Team Horizon managed the event, ensuring a smooth and memorable farewell for the graduates.



SCROLLS

SCROLLS, an annual National-level Technical Paper Presentation Contest was organized by AKGEC in association with Ghaziabad Management Association (GMA) on 8 May 2024. The event was organized by The Techno-managerial society of the college, Team HORIZON.

With over 500 passionate participants from institutes all over India, SCROLLS'24 received an overwhelming response. From these, 95 exceptional team presentations were selected for the final round, reflecting the commitment to excellence and innovation. In recognition of the outstanding contributions of participants, SCROLLS 24 offered prizes exceeding Rs 1 lakh, along with AKGEC Skills Foundation Coupons worth Rs 7000.



CELEBRATIONS

Independence Day

The 78th Independence Day was celebrated at the college with immense enthusiasm and grandeur on 15 August 2024. The festivities commenced with the hoisting of the national flag, followed by a captivating cultural program presented by the college students. To honor the occasion, awards were conferred upon the Class IV employees of the college, recognizing their exceptional performance and dedicated service to society. After the award ceremony, stakeholders of the college paid homage to the freedom fighters by offering floral tributes to their framed photographs. The celebration culminated with a march past participated by all present.



Republic Day

The Republic Day celebration on 26 January 2024 at AKGEC was marked with great enthusiasm. The event commenced with the hoisting of the national flag by the Director General, followed by the singing of the National Anthem, filling the atmosphere with pride and unity. Director General, in his speech, emphasized the importance of Republic Day and urged everyone to uphold the values enshrined in the Constitution of India.

The highlight of the event was the parade, where cadets demonstrated their marching skills with impeccable coordination and flagged him the guard of honor. The Director General took the salute of the parade, appreciating the precision, dedication and hard work of the cadets.



Holi Celebration 2023



Holi, the festival that symbolizes the triumph of good over evil and celebrates the joy of life, was celebrated with great enthusiasm at the college on 21 March 2024. The event, organized on the college premises, brought together students in a spirit of unity and happiness. To ensure a safe and enjoyable experience, the college provided chemical-free (herbal) Gulal in various vibrant colors along with delicious Gujias for all participants. Students, both boys and girls, joyfully applied colors to one another without any notion of seniority, fostering a sense of equality and camaraderie. The celebration reached its peak as everyone danced with enthusiasm to the lively beats of popular Holi songs played by a DJ hired by the college.

International Yoga Day



The college celebrated International Yoga Day on 21 June 2024, reaffirming its commitment to holistic well-being for faculty, staff, and students. The event saw the enthusiastic participation of approximately 500 students and 30 faculty and staff members, who engaged in a week-long Yoga practice leading up to the celebration.

Beyond this annual event, Yoga has now been integrated into the daily routine of First and Second-year students as part of the course curriculum of AKTU. To ensure structured practice, the students are divided into two groups—one half participates in Yoga during the Odd semester, while the other half practices in the Even semester.



To facilitate this initiative, the college has appointed Yoga Acharya Shri Omkar Ji, who conducts daily Yoga sessions for two hours from 10:00AM onwards, helping students cultivate physical fitness, mental clarity and overall well-being.

ANTI-RAGGING MEASURES AND INDUCTION PROGRAM

Anti-Ragging Campaign 2023



Like every year, this year too, the Anti-Ragging Campaign commenced with a meeting between the Director General and all Heads of Departments, followed by the symbolic launch of an air balloon carrying an anti-ragging message above the college complex.

KIRAN: Spreading Anti-Ragging Awareness

The campaign to raise awareness among senior students began with KIRAN (Kaho India Ragging Aur Nahin). The college proctor addressed all 2nd, 3rd and 4th year students on 12th, 13th, 23rd, and 24 September 2023, emphasizing the serious consequences of ragging and the strict punishments prescribed for those involved. The

provisions outlined by UGC and AICTE were explained in detail and students were shown video clips from the UGC website to reinforce the message. Additionally, awareness about the dangers of drug abuse was also imparted.

Kite Flying Event

After the anti ragging awareness program, a kite flying program was organized this year also like wise every year in the football ground on 2 December 2022. All the students, staff and faculty members participated in the event with great zeal. The winner of the event having highest flying kites were awarded with prizes by Director General, at the end of the event.



Induction Program

As per the guidelines laid down by AICTE and AKTU, a three-week induction program was organized for all first-year students from 3 - 23 October 2023. The program followed a well-structured schedule, incorporating various activities designed to facilitate a smooth transition into college life.

Key Activities During the Induction Program

Universal Human Values 1 (UHV 1) Classes

Each section of first-year students, with a class size of 70, attended sessions on Human Values as per AICTE guidelines. These sessions were conducted by selected faculty mentors who were qualified in the Human Values and Professional Ethics course offered by the university.

Daily PT/Yoga

Physical training (PT) was conducted daily in small squads of 30 students residing in the college hostel. Each squad was guided by a senior student under the overall supervision of a well-trained PT instructor. The PT sessions were held from 6:00 AM to 6:45 AM, while evening games took place from 4:30 PM to 6:00 PM throughout the induction period.



Evening Games

All first-year students attended a daily games period from 4:00 PM to 5:00 PM, where they were encouraged to participate in or observe at least one game of their choice. The sessions were conducted under the supervision of coaches hired by the college.

Engineering Exploration Program

Students were addressed in groups by the General Manager of AKG Skill Centre/TIFAC Core, who provided insights into the various industrial collaborations and MOUs established by the college. Sessions were conducted across ten specialized skill centers, including: LabVIEW Academy, Industrial Robotics Training Centre, Bosch Rexroth Centre, Janatics Industrial Pneumatics Knowledge Centre, Siemens Product Lifecycle Management Centre, AIA Competence Development Centre and Fronius Advanced Welding Technology & Research Centre

Visit of local Areas

First-year students visited the college Faith Centre and various academic departments. Additionally, senior students from different societies guided them through a virtual tour of college facilities and other departments.

Lectures by Eminent Speakers

Guest lectures were organized to equip students with essential life skills and perspectives. The following speakers addressed students on key topics:

- Shri Sushil Agarwal – Motivation and Character Development (5 October 2023)
- Brig. Ramesh Chandra – Time & Stress Management (6 October 2023)
- Col. T.P. Tyagi – Nationalism (11 October 2023)

Literary and Proficiency Development

Students participated in literary activities such as reading, writing, and debating during their counsellor's periods. They were also introduced to essential computer applications, including PowerPoint, MS Word, and MS Excel, to enhance their technical proficiency.

Creative Art Sessions

Students were divided into groups based on their interests and participated in Creative Art Sessions, allowing them to explore their artistic abilities through structured activities.



SOCIAL RESPONSIBILITY

Refugee Camp

In January 2020, the college adopted a Hindu refugee camp in Adarsh Nagar, Delhi, which houses 160 families with over 850 members who migrated from Hyderabad, Pakistan. The residents primarily sustain themselves through small trades, such as selling mobile phone covers and seasonal vegetables.

Understanding the need to improve their living conditions, the college regularly visits the camp to assess their challenges and provide necessary support. As part of this initiative, on 15 January 2024, a team of AKGEC faculty, staff, and students visited the camp and distributed winter jackets to the school children studying there, ensuring warmth and comfort during the cold season.



To support the holistic development of children at the refugee camp, the college trained them to perform a group dance during the Diwali function on 26 October 2024. They were invited to the event along with their teachers to celebrate the occasion. As part of this initiative, the college also distributed blankets and prizes to the refugee camp children and their teachers, making the celebration more meaningful and inclusive.

A team of AKGEC faculty, staff, and students visited a refugee camp and distributed stationery items to the schoolchildren studying there. This initiative aimed to support the children's education and bring a positive impact to their learning environment.



Unnat Bharat Abhiyaan

On 2 February 2024, the college organized a Book Distribution Drive in its adopted villages Galand, Raghunathpur, and Kazipura School, as part of its social service initiatives under Unnat Bharat Abhiyan and the NSS program. This initiative aimed to support rural students by providing essential educational resources, promoting literacy, and enhancing their learning opportunities.



SOCIAL RESPONSIBILITY

The outcome of the activity was the fulfilment of the college's commitment to empowering underprivileged communities, fostering holistic development among young learners, and contributing to the nation's educational objectives. By addressing the educational needs of these villages, the college aligns its efforts with the broader vision of equitable access to knowledge and growth for all. Through such initiatives, the institution demonstrates its dedication to nurturing a culture of learning and community service. Below are some snapshots capturing the moments of this meaningful activity, showcasing the positive impact created for students and their education.



On 12 February 2024, the college took a significant step toward supporting the educational aspirations of students in Galand Village by donating five computers and a collection of competitive exam books to the village's community center.

This initiative aims to bridge the resource gap faced by rural students preparing for competitive exams, providing them with essential tools to enhance their learning opportunities. By extending this support, the college hopes to empower students to pursue their dreams and build successful careers.

On 21 March 2024, the college organized an awareness campaign on cleanliness and the environment under Unnat Bharat Abhiyan. The campaign was conducted by NSS student volunteers in the adopted villages of Galand and Raghunathpur, aiming to promote hygiene, environmental responsibility, and sustainable practices among the residents.

Medical Camp

On 15th December 2023, the college participated in an Eye Camp organized by Indo German Hospital. To facilitate the smooth conduct of the camp, a bus carrying college staff and six students visited villages, ensuring accessibility for the residents. As a result, around 50 villagers benefited from the initiative by receiving free eye check-ups.

Adarsh Vikas Kendra

The college is running a primary school named "Adarsh Vikas Kendra" to provide free primary education to children of economically weaker sections of society. These children are provided free uniforms, books, bags and are regularly attending classes conducted in the campus. The college students teach these kids in the school in their free time which is approximately 90 days in one year. There are 4 such students who teach these kids for 1 Hr each day.



Blood Donation Camp

Under the guidance of esteemed officials of college and Rotary Bank ,college organised a highly successful blood donation camp on 18 - 24 April 2024. This four-day event was designed to raise awareness about the critical need for blood donations and to foster a spirit of altruism within the student community. The camp featured a variety of activities,including a poster-making competition and educational sessions, culminating in a large-scale blood donation drive that saw enthusiastic participation from students and staff alike. The event highlighted the college's commitment to social responsibility and community service, leaving a lasting impact on all who attended.

A Poster Making Competition was held on 19 April 2024, with the theme "Save Lives, Donate Blood." This competition aimed to harness the creative talents of the students while highlighting the importance of blood donation. The participants demonstrated remarkable enthusiasm and dedication, producing artworks that captured the essence of solidarity and charity.

The highlight of the event was the blood donation camp organised on 24 April 2024. The camp witnessed an overwhelming response from the faculty members, staff, and students. Their unwavering support and selfless contribution led to the donation of 541 units of blood from the students of AKGEC, and a total of 609 units, making the event a monumental success.



Ek Ped Maa Ke Naam

To support environmental conservation, a Tree Plantation Drive was initiated by our affiliating university, AKTU, assigning the college a target to plant trees at various locations. In response, the college actively involved students and launched the campaign on 23 July 2024 "Ek Ped Maa Ke Naam," encouraging them to plant trees near their residences and take responsibility for their growth.

As part of this initiative, 700 students participated by planting trees and nurturing them. Each student invested approximately 2 hours in the process, which included identifying a suitable location, acquiring a sapling, and planting it. This effort reflects the college's collective commitment to sustainability and environmental responsibility.

“ From Our
Passing Out Students

Alumni Speak



As an alumnus of AKGEC, I'm thankful for the solid foundation it provided. The college's excellent infrastructure, green campus, and well-equipped facilities created an environment that supported both learning and personal growth. The dedicated faculty, along with abundant resources, ensured that we had the support needed to succeed.

Beyond studies, AKGEC offered a vibrant campus life with a mix of cultural and technical societies, with the Software Incubator holding a special place in my heart. These groups allowed me to explore different interests, work on team projects, and meet students with similar passions. Being part of these societies helped me build leadership skills and broaden my perspective. Overall, AKGEC provided a great mix of learning and activities that made my time there truly meaningful.

SIMRANPREET KAUR
(2015-2019)
Software Engineer II (L62)
at Microsoft



As an alum of AKGEC, I can genuinely say the college offers a solid blend of academics, infrastructure, and extra curriculars. The campus is well-equipped with modern labs, spacious classrooms, and green spaces, creating an excellent atmosphere for learning. The faculty is knowledgeable and supportive, with a strong focus on practical skills and industry relevance. Societies like the Software Incubator allow students to gain real-world experience through projects and startups, while other clubs, like robotics and coding, provide workshops and competitions that keep students engaged beyond regular studies. Though large cultural fests are limited, the active student clubs foster a tight-knit community and make campus life lively. AKGEC genuinely supports a well-rounded education, helping students gain both technical and personal skills for future success.

Pranat Sharma
2018-2022
SDE @CoinSwitch

Akgec gave me an overall personality development platform which helped me in my current career. It helped me in understanding the ownership of my work learning handling challenges in the software development. I could spot great difference technically as well as overall personality development wise..... between akgec students and others.

The faculty of CSE was very good at my time .

they encouraged me to go to hackathons , try to build different projects and how to network with people.

Aditya Gupta
2017-2021
SDE at Sigmoid



Frankly speaking, AKGEC has played a very vital role in my journey. It was not just an engineering college with just academic foundation but also quite practical and hand-on about the teaching me to face the challenges that come my way. I must say that this helped me a lot by being supported by excellent faculty that helped me to learn new things and update my technical skills. Beyond that extra-curricular activities and events like Saksham (and my favourite football club), overall shaped me as a better human being too.

Arnav Jain
2018-2022
SDE1 at Amazon

My journey at Ajay Kumar Garg Engineering College was more than just a chapter in my academic life; it was where I found my passion, discovered my strengths, and connected with incredible, like-minded people who inspired me daily. Beyond the classrooms and labs, the college became a platform that brought together talented individuals from diverse backgrounds, each with their own unique ideas and skills. Being around such driven people, whether it was in coding contests, group projects, or late-night hackathons, gave me new perspectives and pushed me to up my game.

I still remember the adrenaline of coding challenges, the thrill of collaborative projects, and the constant encouragement from professors and mentors who genuinely wanted us to succeed. The college didn't just provide an education—it gave me a community and a network of talented peers who motivated me to aim higher, solve harder problems, and keep striving.

Suyash Singh
2020-2024
Software Engineer
@ Commvault



AKGEC wasn't just a college; it was a second home. It was a place where I spent countless hours, not just studying, but also laughing, crying, and growing. The campus, with its vibrant atmosphere and dedicated faculty, was the perfect setting for intellectual and personal development.

I'll always cherish the memories of late-night study sessions, heated debates, and the camaraderie we shared. The professors, with their passion for teaching and their unwavering support, were instrumental in shaping me into the engineer I am today.

And mechanical engineering canteen ke iconic chola samosa , chai aur baate .

It was a network jungle where we forged lifelong friendships and connections.

AKGEC is more than a name; it's a feeling. It's a feeling of belonging, of aspiration, and of limitless possibilities. A feeling that will stay with me forever.

Vinayak Gupta
2017-2021
Product Design
@ Uber

I distinctly remember that the college role played in both my career and character. Here, I not only received technical education but also the ecosystem to foster curiosity, innovation, and leadership. Structured academic programs provided real-world experiences ranging from hands-on labs, workshops, and industry collaborations that bridged theory and practice. They were more than instructors of themselves; they were mentors who guided and inspired me to reach my potential. The college community was full of lively clubs and societies where I could pursue my passions, particularly in the Software Incubator, where I got friends, built projects, and learned the nuance of teamwork and leadership. AKGEC has taught me tenacity and honesty, the attributes I utilize in any project I take up at this point in time.

Ayush Verma
2019-2023
SDE1 (Frontend) @Tata1mg



My time at AKGEC is really special because this college was a dynamic space for growth, nurturing and shaping aspirations and the skills in students. Rigorous academics and hands-on exploration together formed a powerful balance that students were able to use for turning ideas into real achievements. The campus was not just a place to study, but rather a vibrant center where learning permeated into every nook and corner—be it in well-equipped laboratories, bustling student centers, or quiet retreats.

It was from the faculty that one acquired this experience, which teaches one not just knowledge but provokes a critical and innovative mind. Societies and initiatives by AKGEC provided the student beyond their regular curriculum: to lead, innovate, and build a community.

AKGEC has given me much more than just the academic skills needed to go through it; it gave me the mind-set that would support my growth, resilience, and community for long even after graduation.

Alok Ranjan
2017-2021
Software Engineer
@ Gainsight



विश्व पृथ्वी दिवस पर लिया संकल्प हरियाली से करेंगे धरती का भूंगा
स्क्रू में एक-छात्रों ने हरियाली दिवस पर एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

16 Hindustan Times CORPORATE BUZZ



The Ajay Kumar Garg Engineering College organised the "Women in Power" conference from April 5 to 6 with the theme "Catalysing Change: Women Empowering the Next Wave." The conference theme was aligned with this year's Women's Day campaign, "Inspire Inclusion."

Amar Ujala New Delhi 07.09.2024 Saturday Page-G.3

Hindustan Times Friday 18.10.2024 Page No. 03

एकेजीईसी के पूर्व छात्र सम्मेलन का आयोजन
हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत



हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

Amar Ujala (GZB) 18/08/2024 Friday Page No.: 44

Hindustan Times 18/08/2024 Monday Page No.: G.02

उज्ज्वल कैरियर के लिए चुनें सही संस्थान
हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

छात्रों को व्यापार की जानकारी दी
हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

Hindustan Times, New Delhi, Saturday, 10-02-2024, Page No.: 26

Amar Ujala (GZB) 21/03/2024 Saturday Page No.: G.04

दृष्टि सागर
अजय कुमार गर्ग इंजीनियरिंग कॉलेज में दीक्षांत समारोह- 2024

19 CONVOCATION

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत



Harishankar Association Table Tennis, affiliated with the Uttar Pradesh Table Tennis Association jointly organised the 25th Ajay Kumar Garg Memorial Table Tennis Tournament at Ajay Kumar Garg Engineering College. A total of 52 teams and approximately 225 individual players participated in the competition and presented a challenge.

Amar Ujala My City Thursday 17.10.2024 Page No. 03

नेक्स्टजेन कलाम इनोवेशन स्प्रीट में एकेजीईसी की टीम जीती

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

अजय कुमार गर्ग कॉलेज ने गांवों में जागरूकता अभियान चलाया

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

NTT (GZB) 25.10.2024 Friday Page No.: G.02

कॉलेज में सफाई पुस्तक प्रदर्शनी



हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत

हरियाली दिवस पर एक-छात्रों ने एक-छात्रों की पर्यावरण सचेतता का दिवस संकेत