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ABESIT



प्रतिबिंब

“The Newsletter”

August, 2026

Issue : 8 | Volume : 2



**"FREEDOM IS NOT JUST ABOUT INDEPENDENCE; IT IS ABOUT SELF-DISCOVERY
AND SELF-REALIZATION.**

-DR. A.P.J. ABDUL KALAM

OUR GUIDING LIGHT

VISION

TO PROVIDE EXCELLENCE BY IMPARTING KNOWLEDGE TO THE LEARNERS, ENABLING THEM TO BECOME SKILLED PROFESSIONALS AND BE RECOGNIZED AS RESPONSIBLE CITIZENS. WE AIM TO FOSTER INNOVATION, INTEGRITY, AND A COMMITMENT TO LIFELONG LEARNING.

MISSION

- PROVIDE QUALITY EDUCATION IN THE FIELD OF COMPUTER SCIENCE AND ENGINEERING THROUGH EXPERIENCED AND QUALIFIED FACULTY MEMBERS.**
- MOTIVATE LEARNERS FOR HIGHER STUDIES AND RESEARCH-ORIENTED ACTIVITIES BY UTILIZING RESOURCES OF CENTERS OF EXCELLENCE.**
- INCULCATE SOCIETAL VALUES, PROFESSIONAL ETHICS, TEAM WORK, AND LEADERSHIP QUALITIES BY HAVING EXPOSURE AT NATIONAL AND INTERNATIONAL LEVEL ACTIVITIES.**

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From the Helm

Message from the Principal Pharmacy

Dear Readers

It gives me immense pleasure to present another edition of Pratibimb. This newsletter is a reflection of the vibrant academic environment, achievements, activities, and accomplishments of our students and faculty.



At the College of Pharmacy, we remain committed to nurturing competent, ethical, and industry-ready professionals through quality education, experiential learning, innovation, and continuous skill development. The active participation of our students in academic activities, co-curricular events, workshops, seminars, and other initiatives reflects their enthusiasm to learn, grow, and contribute meaningfully to society.

I sincerely appreciate the dedicated efforts of our faculty members and students whose contributions make every edition of Pratibimb a meaningful representation of our institutional journey. I am confident that their continued commitment and collaborative spirit will lead to many more accomplishments in the times ahead.

I invite our readers to explore this edition and join us in celebrating the achievements and memorable moments of our academic community.

Warm regards,

Prof. (Dr.) Saurabh Agarwal

Principal, College of Pharmacy

ABESIT Group of Institutions, Ghaziabad

Campus Pulse

RUBIX VIBUILD – Portfolio Design Challenge



ABESIT
—Group of Institutions—

Department of Computer Science & Engineering

Organizing

“RUBIX VIBUILD”

PORTFOLIO DESIGN CHALLENGE

Date: 26th August, 2026

Organized By: Rubix, Technical Club (CSE Department)

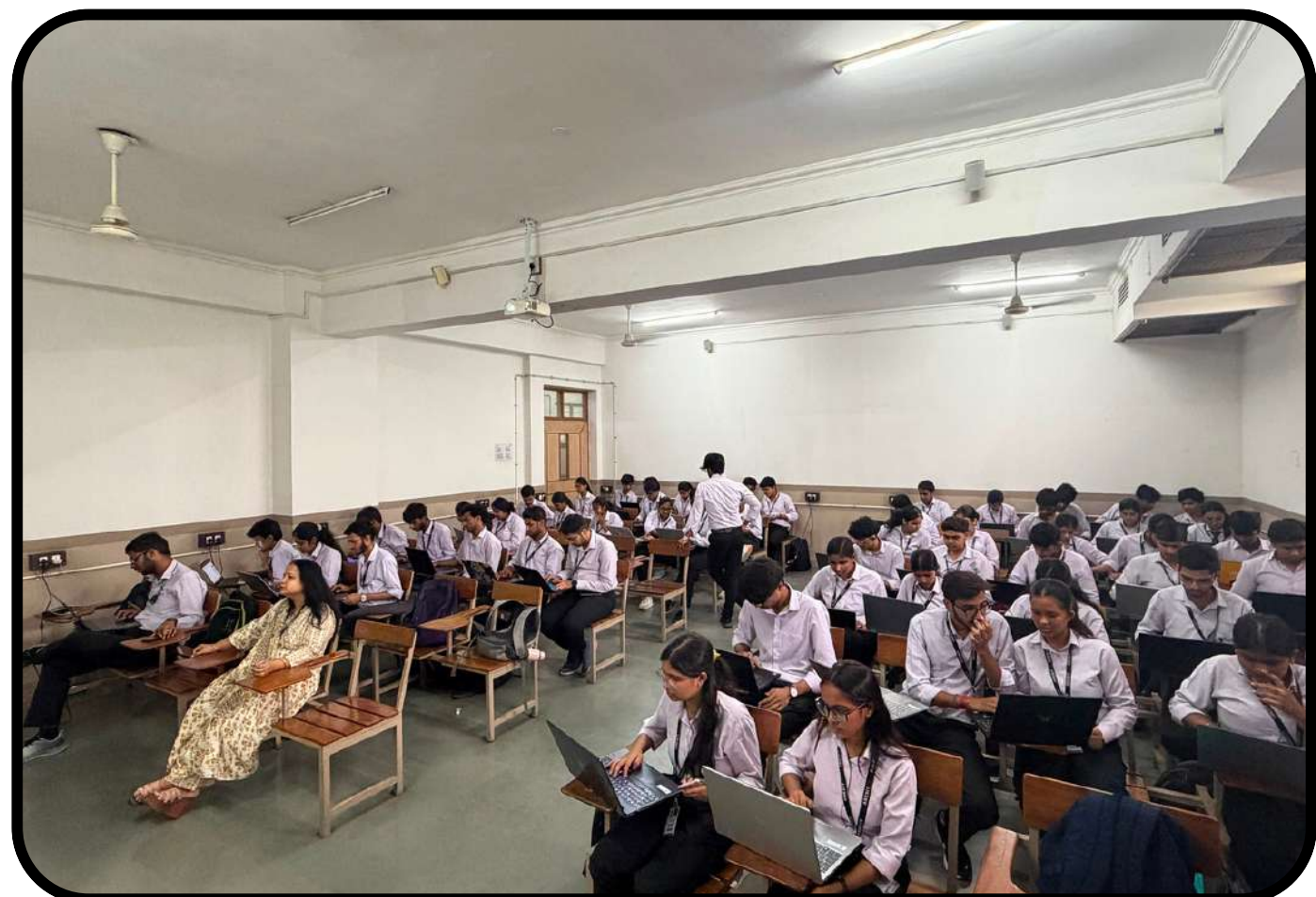
Time | Venue: 03:50 PM | 2F-BB2

For more Information:

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The Department of Computer Science & Engineering (CSE), ABESIT, successfully organized RUBIX VIBUILD – Portfolio Design Challenge on 26th August 2026. It was organized by the Rubix Technical Club. The event witnessed enthusiastic participation from students. Participants showcased their creativity, technical skills, and design thinking through impactful portfolio designs. The challenge provided a competitive yet collaborative platform to present their ideas and talents. Overall, the event celebrated innovation, creativity, and the technical spirit of CSE students.

Campus Pulse

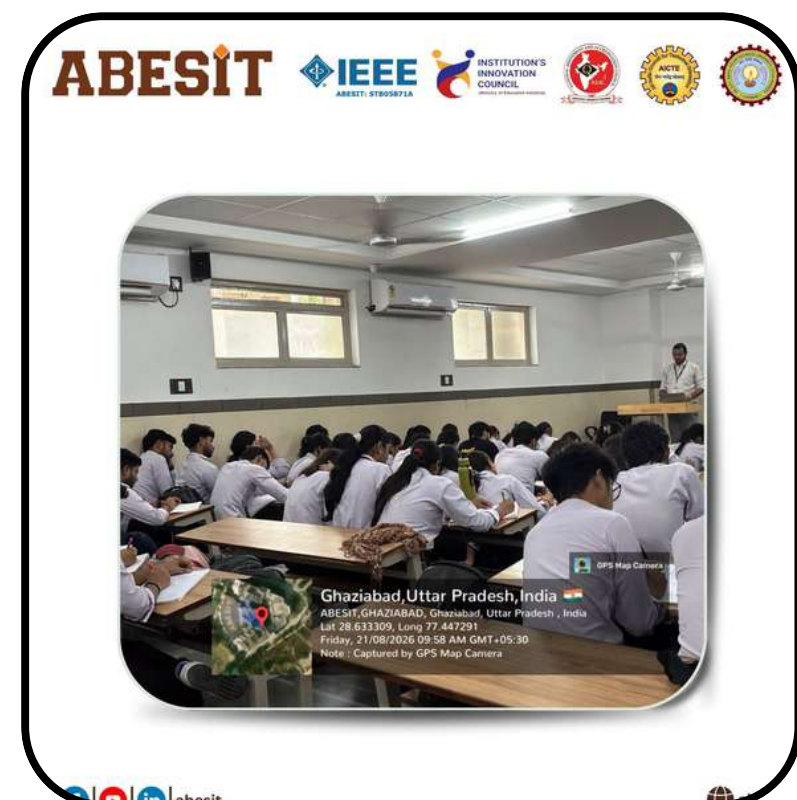
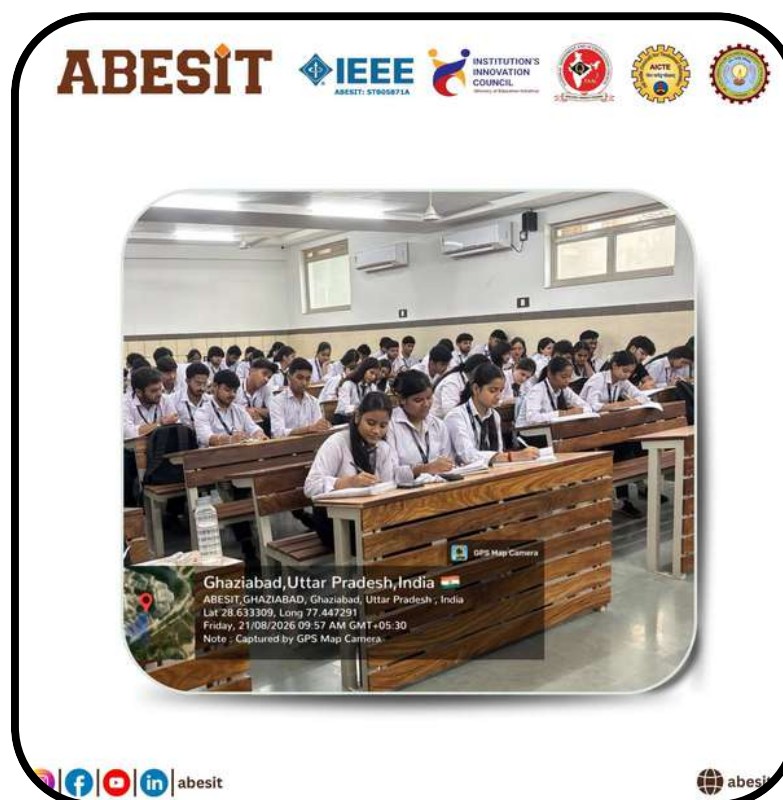
Yoga & Meditation Sessions at ABESIT



The Yoga and Meditation Club, ABESIT, conducted a series of wellness sessions during August 2026. On 1st August, CSE-AI and CSE-DS students attended a session under BVA251, led by Dr. Shradha Gupta, featuring yoga postures, breathing exercises, and mindfulness. From 18th–21st August, newly admitted B.Tech. students participated in a meditation session under the Student Induction Programme. On 22nd August, BCA First and Second Year students attended sessions under BVA251 and BVA451, promoting fitness, concentration, relaxation, mindfulness, and emotional well-being.

Campus Pulse

Angel Investments & VC Funding Opportunities



IIC-ABESIT successfully organized an insightful session on “Angel Investments and VC Funding Opportunities”, conducted by Mr. Anuj Agnihotri, Assistant Professor-BBA. The session provided valuable insights into angel investment, venture capital, fundraising strategies, investor expectations, and startup opportunities, helping students and aspiring entrepreneurs understand the funding ecosystem and transform innovative ideas into successful ventures.

Innovation Workshop: From Ideas to Market-Ready Solutions

IIC-ABES Institute of Technology successfully organized a workshop on “Innovation/Prototype Validation & Value Proposition Fit and Business Fit” on 25th August 2026. The session was led by Prof. Dr. Vineet Kumar Singh, who shared valuable insights on transforming innovative ideas into market-ready solutions. Participants explored prototype validation, customer needs, value propositions, and business fit.



Campus Pulse

Strengthening India's IPR Ecosystem for Innovation

On 24th August, 2026, IIC-ABESIT facilitated participation in the MIC-Driven Activity on "India's IPR Policy and Provisions for Startups, Inventors and Innovators." The session, delivered by Prof. (Dr.) Unnat P. Pandit, Controller General of Patents, Designs and Trade Marks, highlighted IPR protection.



Strengthening Research & Innovation through ANRF

Students of ABESIT actively participated in a MIC-Driven Activity on "Strengthening Scientific Research and Innovation in HEIs: ANRF's Vision, Priorities, and Support Framework" organized by the Ministry of Education's Innovation Cell (MIC), AICTE, under IIC-ABESIT, the session was delivered by Dr. Shivkumar Kalyanaraman, CEO, ANRF.



Strengthening Innovation in Higher Education

ABESIT successfully organized a MIC-Driven Activity on "Initiatives & Programmes to Support Innovation in Higher Educational Institutions (HEIs)" on 25th August 2026. The session was taken by Prof. (Dr.) Unnat P. Pandit, Controller General of Patents, Designs and Trade Marks, Government of India, who shared valuable insights into the initiatives of Atal Innovation Mission (AIM), NITI Aayog for promoting innovation, startups, entrepreneurship, and IPR awareness.



Beyond the Campus

Innovation & Entrepreneurship Outreach Programme with Schools



On 24th August, 2026, IIC-ABESIT conducted an Innovation & Entrepreneurship Outreach Programme at Step-Up School, Ghaziabad. The interactive session encouraged students to develop creativity, problem-solving skills, innovation, and an entrepreneurial mindset through engaging discussions and activities.

Team Logic Legends at Cosmicathon 2026



ABESIT students Lavi Sharma, Pragya Arora, Palak Yadav, and Pahal Saxena participated in Cosmicathon 2026 at Thapar Institute, Patiala. Their team, Logic Legends, advanced to the Semifinals among 55 teams and received certificates of Participation for their AquaGuard project. They presented AquaGuard, an AI-based solution for early water contamination detection and pollution mapping.

Beyond the Campus

Stellar Sirens at 'Cosmicathon 2026'



Team Stellar Sirens from ABES Institute of Technology, Ghaziabad proudly advanced to the semifinals of Cosmicathon 2026, held at Thapar Institute, Patiala, from 21st–23rd August, 2026, among around 55 participating teams. The team presented PulseMatch, an innovative digital platform designed to connect blood recipients with suitable donors, featuring NFC-based donor identity verification. Bhoomi Sharma, Charvi Katiyar, Divyanshi, and Garima Sharma, all second-year students, received Certificates of Participation in recognition of their achievement. Their participation showcased teamwork, innovation, and the practical application of technology to address healthcare challenges. Their innovative approach highlighted the potential of technology in improving healthcare accessibility and emergency blood support.

Knowledge Junction

Empowering Innovation through Knowledge & Training



On 20th August, 2026, the Department of Applied Sciences & Humanities organized Training Sessions and an IPR & Patent Awareness Session for newly admitted B.Tech. students under the Student Induction Programme. Students received exposure to GRIL training by NVIDIA, technical skills, emerging technologies, innovation, and patent protection. The sessions aimed to foster creativity, technical competence, innovation, and continuous learning among young engineers.

Empowering Future Engineers with Technical Skills & Startup Insights



On 21st August, 2026, the Department of Applied Sciences & Humanities organized CRC Technical Training and an awareness session on Incubation and Startups for newly admitted B.Tech. students under the Student Induction Programme. The sessions provided insights into technical skills, industry expectations, career readiness, entrepreneurship, and innovation, encouraging students to develop a mindset focused on employability, creativity, and continuous learning.

Knowledge Junction

Tech Manthan: Exploring Multimodal AI in Medical Imaging



Tech Manthan
SESSION

Organized by Department of CSE-DS

Mr. Anoop Kumar
Assistant Professor-CSE (DS)

Topic Name:
Multimodal Medical Image Fusion Using Diffusion Transformers

August 22, 2026 | 02:30 PM | Meeting Room (4th Floor)

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The Department of CSE-Data Science, ABESIT, organized a Tech Manthan Session on 22nd August 2026. The session was led by Mr. Anoop Kumar, Assistant Professor, CSE-DS, on “Multimodal Medical Image Fusion using Diffusion Transformers.” The session explored emerging advancements in AI-driven medical imaging, diffusion transformers, and healthcare applications.

It provided faculty members and research enthusiasts with valuable insights into the evolving role of AI in medical imaging and clinical decision support.

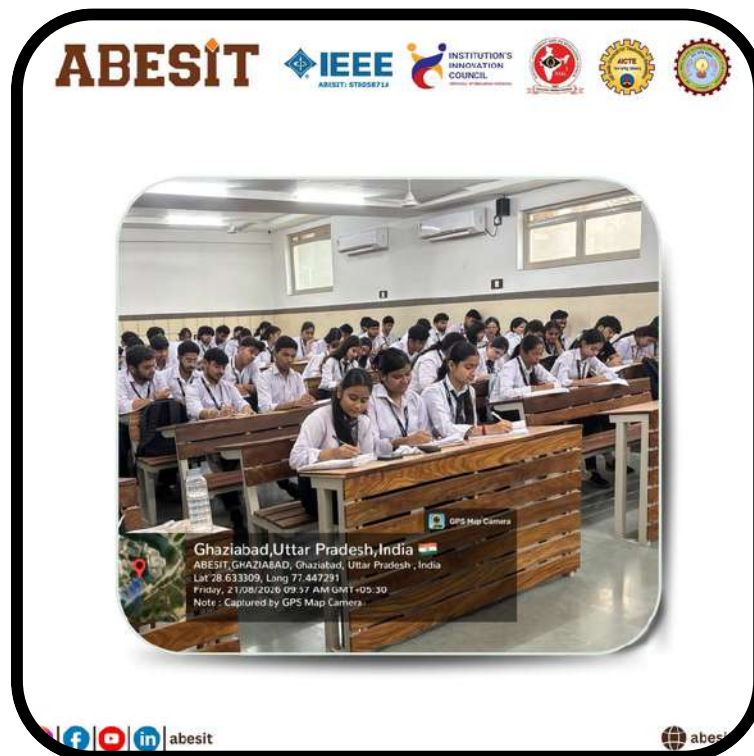
Tech Manthan: Exploring Incubation & Entrepreneurship Opportunities

The Institution’s Innovation Council (IIC), ABESIT, in collaboration with the Department of CSE-Data Science, organized an insightful session on “Accelerators/Incubation Opportunities.” The session aimed to guide students in exploring incubation ecosystems, startup opportunities, and pathways for innovation. It encouraged students to transform their innovative ideas into meaningful real-world solutions and entrepreneurial ventures.



Knowledge Junction

Empowering Innovation: Exploring Angel Investment & VC Funding



The Institution's Innovation Council (IIC), ABESIT, successfully organized an insightful session on “Angel Investments and VC Funding Opportunities” on 21st August 2026. The session was conducted by Mr. Anuj Agnihotri, Assistant Professor, BBA, who provided valuable insights into startup funding, fundraising strategies, and investor expectations.

Mentoring – Demo Day for Startup Excellence



On 21st August, 2026, IIC-ABESIT successfully organized “Mentoring – Demo Day of Start-ups & Linkage with Mentors/Experts.” The session provided a platform for budding entrepreneurs and startup teams to present their ideas, receive expert guidance, and gain valuable feedback. Mr. Roshan Dubey, CEO, Indibus Software, and Mr. Suraj Singh, CEO, Indibus Software, served as mentors, inspired participants to refine their ideas and build impactful, sustainable ventures.

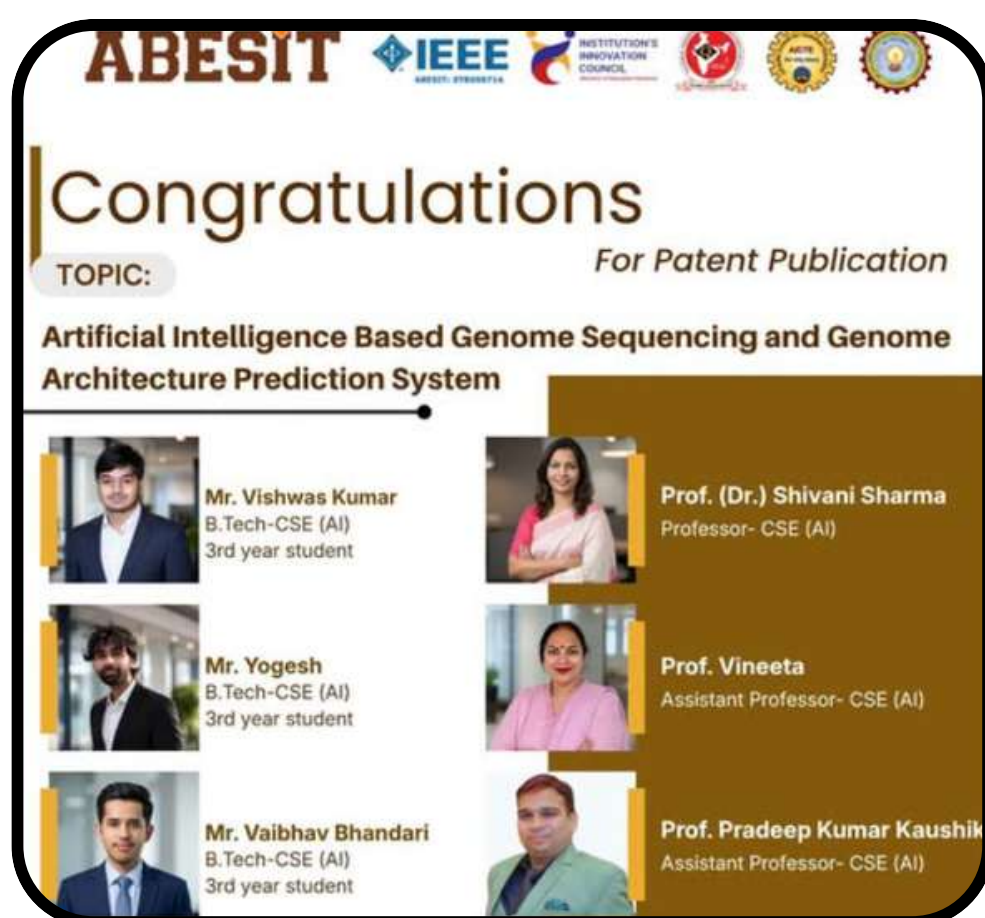
Faculty Laurels

Expert Talk at SVNIT, Surat



ABESIT proudly congratulates Dr. Aakansha Garg, Associate Professor, Department of Applied Sciences & Humanities, on delivering an insightful Expert Talk at the national-level Two-Week Short-Term Training Programme (STTP) on “AI/ML-Centric IoT Devices in 6G Network.” Organized by the Department of Electronics Engineering, SVNIT, Surat, the programme was held from 7th August to 16th August, 2026. Her academic contribution reflects ABESIT’s commitment to research, innovation, and knowledge exchange in emerging technologies.

Patent Publication



Students and faculty members of the Department of CSE-AI achieved a patent publication for their work on “Artificial Intelligence Based Genome Sequencing and Genome Architecture Prediction System.”

The innovation was developed by B.Tech CSE-AI students Vishwas Kumar, Yogesh, and Vaibhav Bhandari, under the mentorship of Prof. (Dr.) Shivani Sharma, Prof. Vineeta, and Prof. Pradeep Kumar Kaushik.

Faculty Laurels

Patent Publication Achievement



ABESIT proudly celebrates the publication of the patent titled “CONTACTLESS ELEVATOR CONTROL SYSTEM”. This achievement reflects the dedication of the faculty and students towards research, innovation, and technology-driven solutions. The accomplishment highlights ABESIT’s commitment to fostering a strong culture of Intellectual Property Rights (IPR), innovation, and impactful technological development.

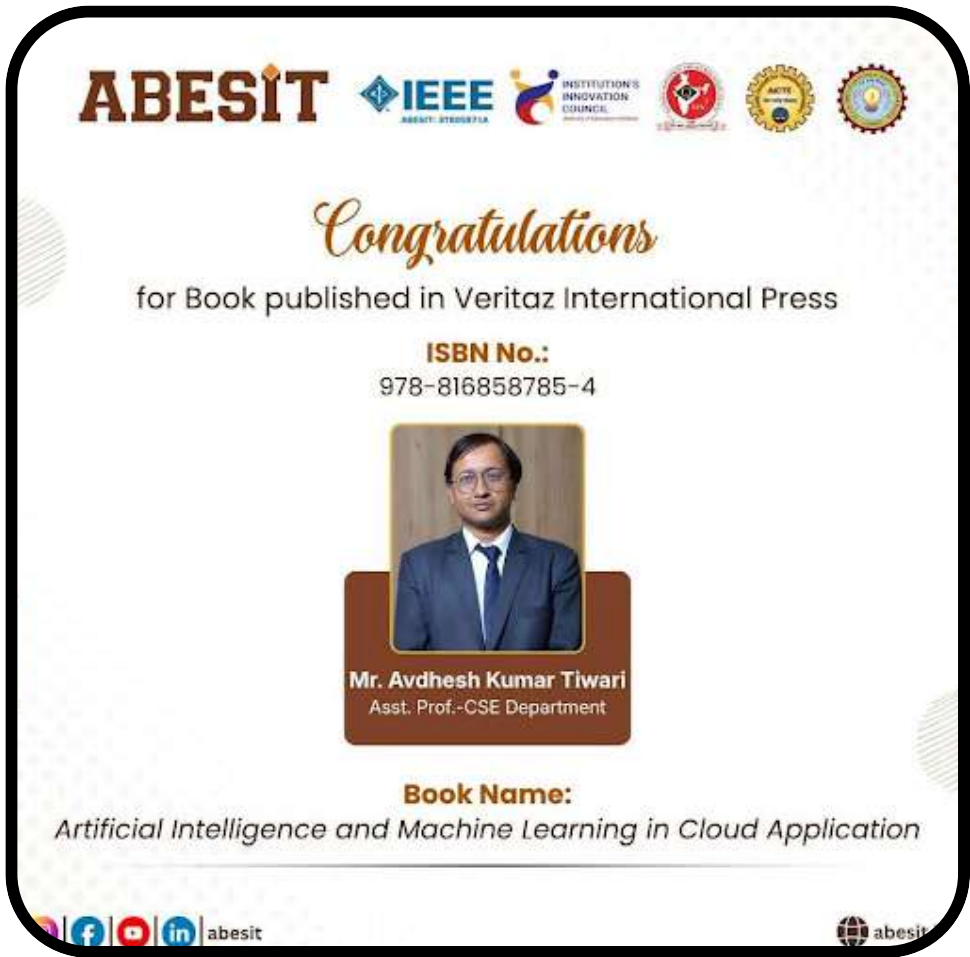
Participation in AKTU-Sponsored Seminar on Cyber Resilience



ABESIT proudly acknowledges the successful participation of Mr. Shobhit Sharma, Mr. Pranjal Singh, Ms. Dhvani Garg, and Ms. Shilpi in the AKTU-Sponsored Two-Day Seminar on “Building Cyber Resilience: Defending Our Digital Frontier,” held on 16th–17th July, 2026 at ABES Institute of Technology, Ghaziabad. The seminar enhanced their knowledge and awareness of emerging cybersecurity challenges, digital threats, and strategies for building digital resilience.

Faculty Laurels

Publication of Book “Artificial Intelligence and Machine Learning in Cloud Application,”



We proudly congratulate Mr. Avdhesh Kumar Tiwari, Assistant Professor, Department of Computer Science & Engineering, ABESIT, Ghaziabad, on the successful publication of his book, “Artificial Intelligence and Machine Learning in Cloud Application” published by Veritaz International Press. His valuable contribution to teaching, research, and academic excellence is highly appreciated and serves as an inspiration to students and faculty members alike.

Patent Publication on Smart Waste Management

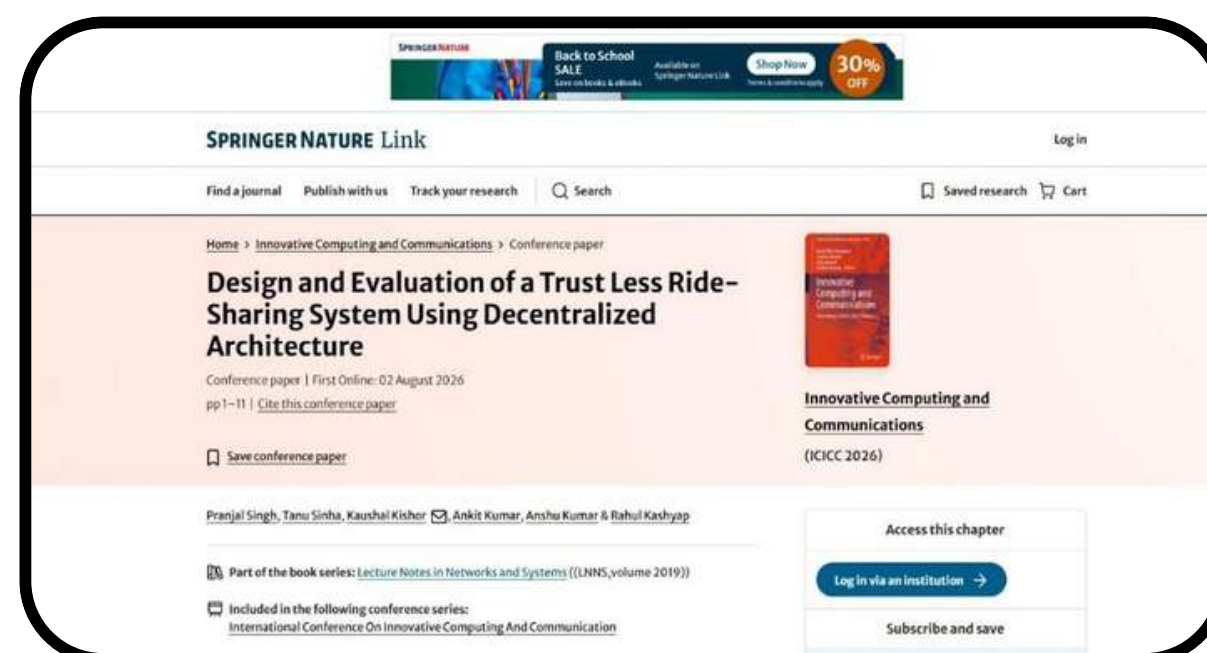
(12) PATENT APPLICATION PUBLICATION		(21) Application No.202611076710 A
(19) INDIA		
(22) Date of filing of Application :20/06/2026		(43) Publication Date : 07/08/2026
(54) Title of the invention : REFUSE CONTAINER MONITORING SYSTEM AND A METHOD THEREOF		
(51) International classification	:B65F 1/14, :B65F 1/00, :B65F 1/16, :G06Q :10/08, :B65F 1/12	(71)Name of Applicant : 1)ABES Institute of Technology Address of Applicant :ABES Institute of Technology, ABESIT NE-3, Near Crossing Republic, Ghaziabad, Uttar Pradesh 201009, India Ghaziabad Uttar Pradesh India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Kaushal Kishor
(33) Name of priority country	:NA	2)Ram Jee Dixit
(86) International Application No	:NA	3)Neetu Narang Mahajan
Filing Date	:01/01/1900	4)Tanu Sinha
(87) International Publication No	:NA	5)Gargi Rawat
(61) Patent of Addition to Application Number	:NA	6)Dhruv Aggarwal
Filing Date	:NA	7)Vaibhav Jindal
(62) Divisional to Application Number	:NA	8)Nimit Verma
Filing Date	:NA	9)Naveen Kumar
		10)Mukesh Yadav
		11)Jyoti Prabha Tripathi
(57) Abstract : An automated refuse container monitoring system (100) for a waste bin (10) comprises a range sensing module (110), a processor (120), a decision module (130), a verification module (140), a communication module (150), and a power management unit (160). The range sensing module (110) generates distance data representing a separation between the range sensing module (110) and an upper surface of waste material inside the waste bin (10). The processor (120) receives the distance data and computes an occupancy level. The decision module (130) evaluates the occupancy level against at least one stored threshold to determine a service-required state. The verification module (140) confirms the service-required state using a plurality of consecutive sensing operations to reduce false triggering caused by irregular waste surfaces or transient obstruction. Upon confirmation, the processor (120) commands the communication module (150) to transmit a notification signal to a remote recipient device (20). Refer to Figure 1		
No. of Pages : 18 No. of Claims : 10		

Faculty members and students from the MCA/BCA Department, ABESIT, contributed to the patent titled “Refuse Container Monitoring System and a Method Thereof,” under Indian Patent Application No. 202611076710 A, published on 7th August 2026. The invention presents an automated system for monitoring waste-container occupancy and generating timely service notifications, highlighting the department’s commitment to innovation, research, and technology-driven solutions for smart waste management.

Faculty Laurels

Research Paper published in Springer Nature

Mr. Pranjal Singh and Ms. Tanu Sinha from the MCA Department contributed to the research paper titled “Design and Evaluation of a Trust Less Ride-Sharing System Using Decentralized Architecture.”



Patent Publication

Faculty members from the MCA/BCA Department, ABESIT contributed to the patent titled “Autonomous Aerial Air Pollution Mitigation System and a Method Thereof,” published under Indian Patent Application No. 202611076711 A on 7th August, 2026.

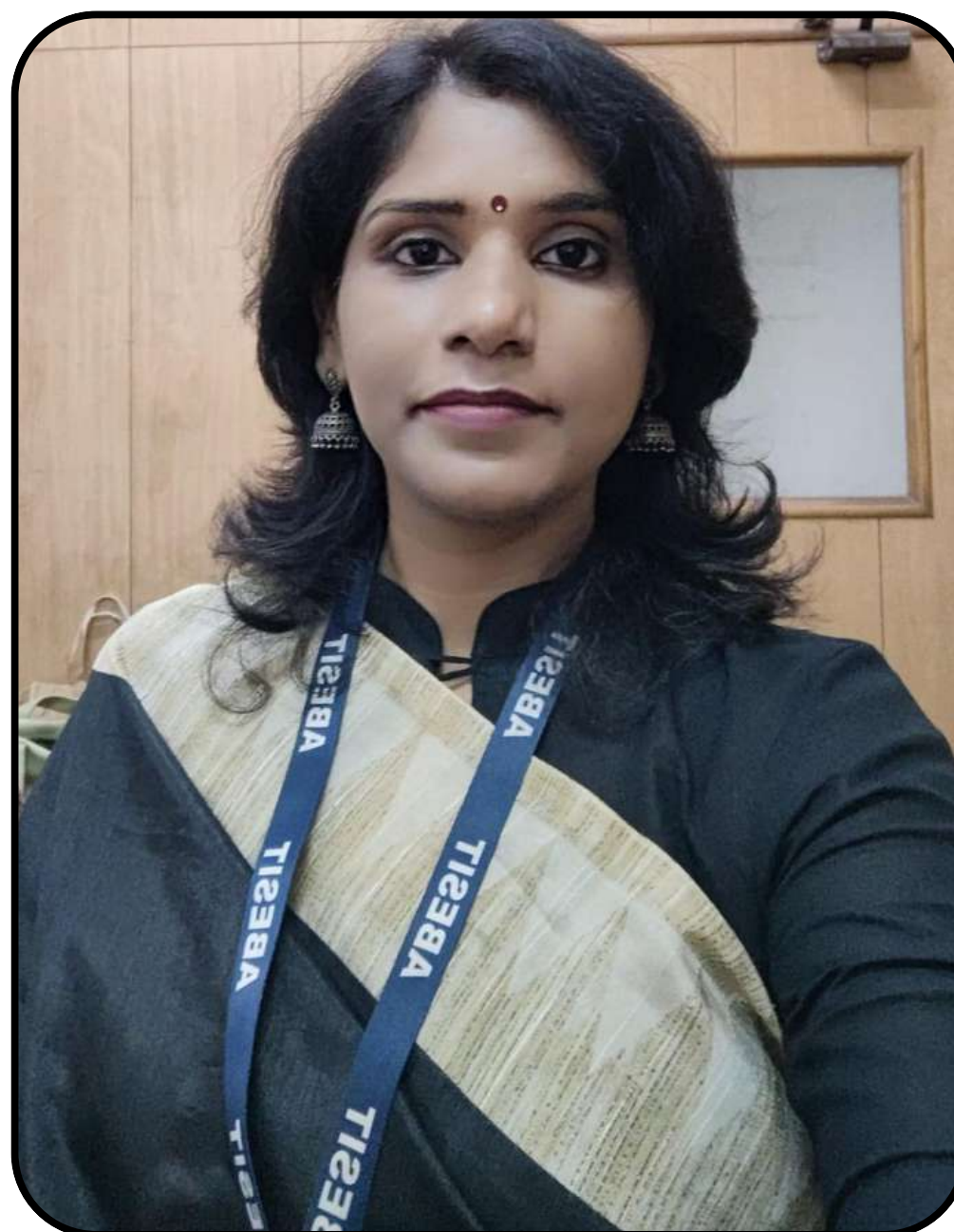


Resource Person at International FDP

Mrs. Vineeta, Assistant Professor, CSE-AI, was invited as a Resource Person for Day 5 of the Six-Day International FDP organized by Aditya College of Engineering and Technology, Bengaluru, on 7th August 2026. She delivered a session on “Rise of Agents – Agentic AI & Multi-Agent Systems,” sharing insights into emerging AI technologies.



Editorial Board



Dr. Sheetal Chandra
Assistant Professor (AS&H)

STUDENT COORDINATORS :

Priyanshi Jain - B.Tech, CSE-AI, Second Year

Pratham Mittal - B.Tech, CSE, Second Year

Priya Tomar - B.Tech, CSE, Second Year

Priyanshi Dhama - B.Tech, CSE, Second Year