INTEGRAL UNIVERSITY
LUCKNOW (INDIA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

PROJECT SHOWCASE:
INNOVATIONS BY CSE MINDS

YOUR YEARLY DOSE OF CSE EXCELLENCE

STUDENT ARTICLES:
AI Replacing Software Engineers?

INSPIRING EXCELLENCE


EDITORIAL
COMMITTEE

INTEGRAL UNIVERSITY

LUCKNOW (INDIA)

ACCREDITED A+ BY NAAC

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION

To produce highly skilled personnel who are empowered enough to transform society by their education, research and innovations.

MISSION

- *To offer diverse academic programs at undergraduate, postgraduate, and doctorate levels that are in line with the current trends in computer science and engineering.*
- *To provide the state-of-the-art infrastructure for teaching, learning and research.*
- *To facilitate collaborations with other universities, industry and research labs.*

DIAMOND

QS I-GAUGE

INDIAN UNIVERSITY RATINGS

Integral University received Diamond Badge in QS I-GAUGE Indian University Rating . It shows our commitment towards effective education services

Issued On: 25.03.2025

INTEGRAL UNIVERSITY
LUCKNOW (INDIA)

NATIONAL INSTITUTIONAL RANKING FRAMEWORK

Ranked amongst

(RANK-BAND)

201-300

Engineering Institutions

INTEGRAL UNIVERSITY
LUCKNOW (INDIA)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACCREDITED

BY NBA

FEB 18, 2025

I am pleased to inform you that by the grace of God, The Department of Computer Science & Engineering is proud to be accredited by the National Board of Accreditation (NBA), a testament to our commitment to academic excellence.

Dr. Shish Ahmad

HOD CSE
Integral University, Lucknow

Message from Head of Department

It’s a proud moment as I reflect on the growth of the Department of Computer Science & Engineering, established in 1998. We’ve expanded our offerings to include three undergraduate programs, two postgraduate programs, and a Ph.D. program, all designed to stay ahead of the fast-evolving tech landscape.

Our focus is on academic excellence and cutting-edge research, with strong faculty involvement in advanced fields like AI, Big Data, and Cloud Computing. We also emphasize student clubs and the integration of Sustainable Development Goals (SDGs) into our curriculum to ensure our students are well-rounded, socially conscious innovators.

With state-of-the-art labs and a dynamic, resource-rich environment, we are committed to providing a platform for both academic growth and creative exploration. I am confident that our department will continue to shape future leaders who are well-prepared for tomorrow’s challenges.

As we continue to empower young minds and shape future innovators, I am confident that our department will remain at the forefront of technological advancement, producing graduates who are well prepared to tackle the challenges of tomorrow.

Dr. Shish Ahmad
Head of the Department
Department of
Computer Science &
Engineering

Convener's Note

Hello Students,

Welcome to the Department of Computer Science & Engineering Newsletter at Integral University! As the Convenor and Chief Editor, I'm excited to present this platform that highlights the dynamic spirit of our academic community.

This newsletter showcases a mix of technical events, insightful seminars, cultural celebrations, and sports activities, all reflecting the values of collaboration, inclusivity, and continuous learning. A key feature is the active involvement of our students, whose contributions bring fresh perspectives and energy to every edition.

At its core, this newsletter is a space primarily dedicated to our students, celebrating their achievements, showcasing their creativity, and giving them a voice within the department. It stands as a testament to their hard work, growth, and ever-evolving journey.

More than just a publication, this newsletter represents our shared journey toward excellence and innovation, fostering a brighter and more inclusive future. We appreciate your support and invite you to join us in celebrating knowledge and building a thriving academic culture.

Dr. Roshan Jahan
Assistant Professor
Committee Convener
roshan@iul.ac.in

MESSAGE FROM THE *editorial committee*

As 4th-year students, we're proud to present this edition of the CSE Newsletter, a reflection of the incredible journey we've shared throughout our time here. From technical workshops and expert talks to cultural events and student achievements, this edition captures the energy and spirit that define our department.

As we near the end of our academic journey, we are reminded of the vibrant learning environment and the friendships we've built along the way. This newsletter not only celebrates our milestones but also the sense of unity, collaboration, and innovation that we've experienced together.

We'd like to extend our gratitude to all contributors, designers, and readers for their support. We hope this edition inspires pride and a renewed sense of connection within our academic community as we look ahead to the future.

SUBHAM PANDEY

MOHD ALI RAZA KHAN

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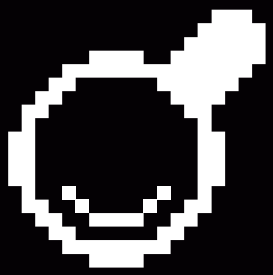

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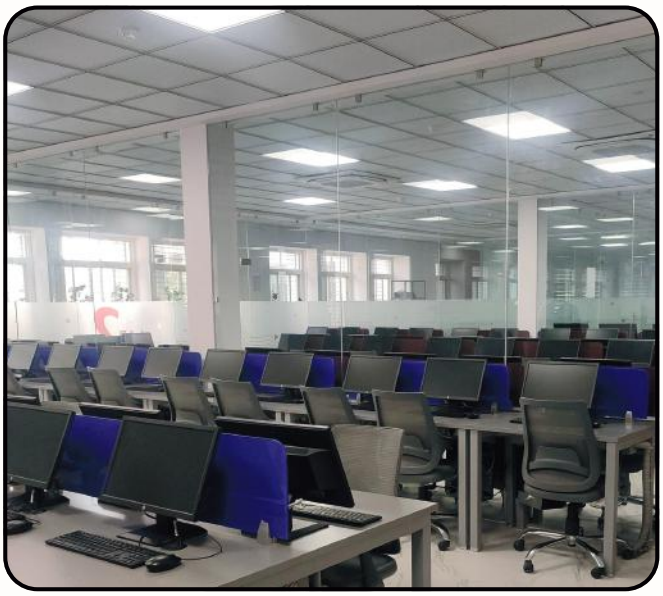
DEPARTMENT AT A GLANCE

Accredited by the National Board of Accreditation (NBA), the Department of Computer Science & Engineering is a symbol of excellence, innovation, and forward-thinking education. Since its inception in September 1998, the department has steadily evolved into a vibrant hub of research and technological advancement.
Our department is equipped with state-of-the-art computer laboratories featuring the latest hardware and licensed software. Every lab, staff room, and office space is seamlessly connected via high-speed internet, ensuring continuous access to digital learning resources. This infrastructure supports both academic growth and professional development.
In recognition of our commitmee

No. of course provided:

A hallmark of our department is its strong emphasis on cutting-edge Research & Development (R&D). Our faculty members are actively contributing to a variety of emerging and impactful fields, including:

- **Undergraduate (UG) Courses**
- **Postgraduate (PG) Courses**
- **Doctoral Course**

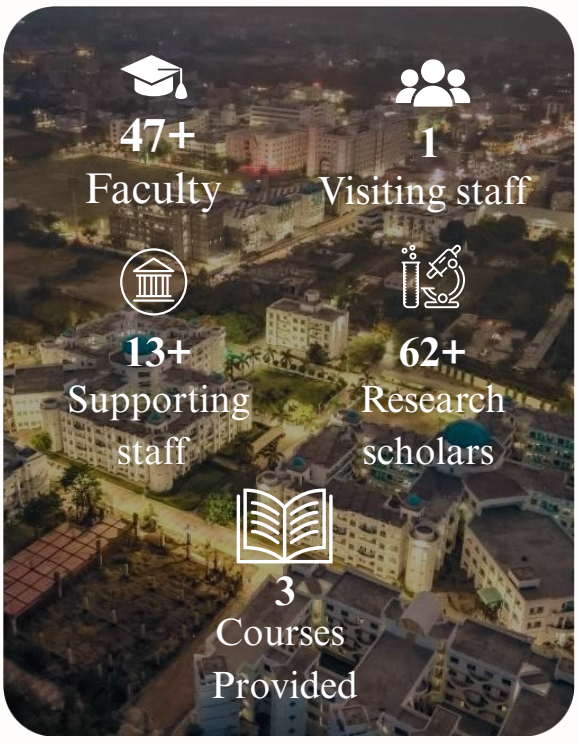


A hallmark of the department is its strong focus on Research and Development (R&D), with faculty members actively contributing to a wide range of emerging and impactful fields such as Cloud Computing, Software Engineering, Computer Networks and Security, Digital Image Processing, Big Data, Artificial Intelligence, and Soft Computing.

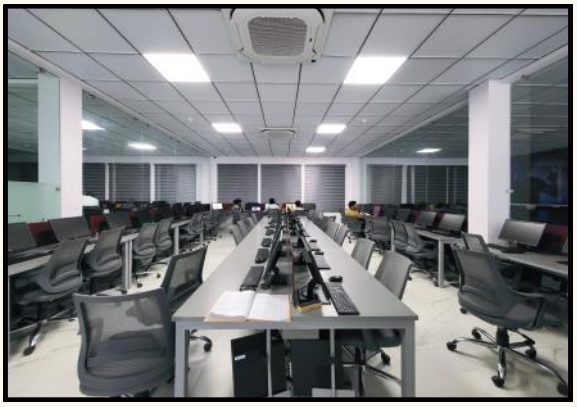
Beyond academics, the department fosters a culture of leadership and community through student-led clubs and initiatives aligned with the United Nations' Sustainable Development Goals (SDGs). These activities ensure that students graduate as both technically competent and socially responsible individuals.

Cleanliness

Went to maintaining a clean and well-organized environment, the CSE Department, along with the Computer Applications Department, was recently awarded as the second cleanest department of the university, highlighting our dedication not just to academics but also to overall campus sustainability and hygiene.



A LOOK INTO OUR *Department*



RELEASE of the Newsletter-IV

"Capturing the Spirit of Innovation & Collaboration"

The newsletter features highlights of major departmental events, showcases research contributions by students and faculty, and provides insights into the latest technological advancements. It also includes student-authored articles on emerging trends in computer science, promoting a dynamic culture of academic and technical exchange within the department.

The Department of Computer Science and Engineering at Integral University proudly launched the fourth volume of its annual newsletter on October 29, 2024, at the Central Auditorium. The release was led by Prof. Dr. Abdul Azeez Kadar Hamsa (Dean of Engineering), Prof. Dr. Shish Ahmad (Head of Department), and Mrs. Kavita Agrawal (Mentor and former HoD), alongside Dr. Roshan Jahan (Chief Editor), Dr. Anum Kamal (Editor), faculty members, and the student editorial board.This newsletter showcases the department's accomplishments, cutting-edge research, student-driven innovations, and insights into evolving trends in computer science—acting as a hub for academic collaboration and intellectual growth.

This edition was led under the editorial guidance of Dr. Roshan Jahan (Chief Editor) and Dr. Anum Kamal (Editor), with valuable contributions from the student editorial board comprising Mohammad Avaish Khan, Md Arfakshad, Md Saad Bin Rizvi, Mohammad Atif, Salman Ali, Samad Kausar, Mohtasham Faraz, and Mohammad Shoiab, whose collective efforts shaped the content and vision of the newsletter.

As we turn the page to Volume 5, this edition not only builds on the legacy of previous volumes but also raises the bar in terms of student involvement, diversity of content, and depth of coverage. It signifies the growing maturity of our publication and the department's ongoing dedication to showcasing academic and creative excellence. With each edition, the newsletter evolves as a richer, more inclusive reflection of our community—and Volume 5 stands as a testament to how far we've come and the exciting path that lies ahead.

"A Reflection of Our Shared Vision"

DEPARTMENT ACTIVITIES

Volume - V

DEPARTMENT ACTIVITIES

Appreciation Ceremony

- The Annual Club Day

Seminars

1. Cyber Security Seminar(THM)
2. Google's Gen AI Campaign
3. GDGC Info Session
4. Profile Building for High Value Placements & Higher Education

Workshops

1. AI with MATLAB Workshop
2. Curriculum Design, OBE & Higher-Order Thinking Skills Workshop
3. Cyber Security Workshop 1
4. Web Development Workshop
5. Cyber Security Workshop 2

Competitions

1. Flip the Clues
2. Shabdon ki Mehfil
3. INTEGRALS GOT LATENT
4. No Bag Day
5. Inkwell
6. Verbal Arena
7. Treasure Hunt (Students)
8. Faculty Treasure Hunt
9. Hooman Ludo
10. Muggles to Magic
11. Student of the Year
12. The Killer's Trail
13. Escape Room
14. Squid Game 4.0

Webinars

- Webinar on Cyber Security

Technical Events

1. Digital Poster Making
2. Code Craft Championship (Finale)
3. Algo Arena
4. C-Hack: The Syntax Showdown
5. Digital Poster Presentation
6. InnovWave : The Pitch Deck
7. Engineering Quiz

Film Events

1. Pop Corn Dairies Season-1
2. Pop Corn Dairies Season-2
3. Integral Film Festival

Social Events

1. Donation Drive 2025
2. Inter Departmental Quiz - Know Your Constitution

E-Sports

1. BattleVerse Showdown 2024: The Ultimate Gaming Arena
2. BGMI Tournament
3. COD Tournament
4. FreeFire Tournament
5. Gameholic (FIFA)
6. Valorant Tournament
7. The Finals
8. Billard

Industrial Visits

1. 7 days Educational Tour to Chandigarh And Shimla
2. One day industrial visit to Xipe Tech
3. One day industrial visit to Sky view smart solution

DEPARTMENTAL Technical Committee

Lucknow Web3 yatra

Integral University hosted the Lucknow Web3 Yatra on 4th March 2025 at the ICC Lab, introducing students to Web3 technologies through a hands-on workshop on portfolio website development. The session was conducted by Tanmay Khanna, City Lead at Career Corps, and saw enthusiastic participation from students.

Attendees gained practical skills, received participation certificates, and enjoyed exciting swags and goodies. With only 40 seats, the event was fully booked in advance.

The event was coordinated by a team of student organizers with support from faculty coordinators Mr. Anas Habib Zuberi and Ms. Ambreen Anees, under the guidance of Prof. Monowar Alam Khalid and Dr. Shish Ahmad





OBE Seminar

The Department Technical Committee, Department of Computer Science and Engineering at Integral University, Lucknow, organized a three-day workshop on "Curriculum Design, Outcome-Based Education (OBE), and Higher-Order Thinking Skills" from March 10 to March 12, 2025. The sessions were held from 2:00 PM to 4:00 PM daily at the CSE Seminar Hall, Academic Block B, Integral University.

The workshop officially began with a welcome address by the Prof. Dr. Abdul Azeez, Dean of the Faculty of Engineering. In his speech, he emphasized the significance of Outcome-Based Education and the role of higher-order thinking skills in enhancing academic excellence.

The workshop aimed to provide faculty members with a deeper understanding of curriculum development, the principles of OBE, complex engineering problems, and the importance of promoting higher-order thinking skills among students.

MATLab Workshop

The Department Technical Committee, Department of Computer Science & Engineering in collaboration with DesignTech Systems Pvt. Ltd. successfully organized a hands-on workshop on "AI with MATLAB Software" on 4th March 2025 from 10:15 am. The workshop aimed to provide participants with knowledge and insights into the application of AI using MATLAB,

Key Highlights:

- The workshop was conducted by Manoj Kumar, Assistant Manager-Technical at DesignTech Systems Pvt. Ltd., an expert in AI and MATLAB.
- A detailed overview of AI concepts, including machine learning and deep learning, was provided.
- Participants gained hands-on experience in implementing AI models using MATLAB's built-in functions and toolboxes.
- Live demonstrations and practical exercises facilitated an interactive and engaging learning experience.
- A Q&A session allowed attendees to clarify doubts and explore advanced AI techniques.

ACTIVE MIND CLUB

Active Mind Club is a core club of all student clubs within the Computer Science & Engineering department, that coordinates between faculties and clubs, decides their curriculum and maintains them, keeps their accountability as well as gives them certificates and awards. AMC organizes major events on and off-campus, fostering opportunities for personal growth within the university community.

TECH CLUB

The Tech Club introduces principles of engineering and technology, fostering teamwork and collaboration among students.

LITERARY CLUB

The Literary Club is a haven for thinkers, readers, and writers, promoting creative freedom while enhancing vocabulary and fluency through competitions.

CODE CLUB

The Code Club offers diverse projects, from games to IoT, making coding fun and accessible for everyone, and inspiring future digital makers.

SPORTS CLUB

The Sports Club promotes physical activity and instills traits like courage and patience, engaging members in competitions and leisure activities.

CYBER-OPS

The Cyber Ops Club is for students interested in cybersecurity and ethical hacking, providing a platform to explore these critical fields.

SOCIAL RESPONSIBILITY CLUB

The Social Responsibility Club encourages giving back to society and nature, promoting teamwork and awareness of social and environmental issues.

FILM CLUB

The Film Club is for students passionate about movie making, photography, and all related activities, including script writing and screenplays.

ART AND CULTURAL CLUB

The Art & Cultural Club fosters teamwork and leadership through cultural activities, addressing societal issues and creating lasting memories.

ACTIVE MIND CLUB

CLUB CONVENER:
DR. SHEEBA PRAVEEN

STUDENT COORDINATOR :
ZAVIL HUDA QURAISHI

Events CALENDER

THE HACKERS MEETUP CENTRAL AUDITORIUM	THU **AUG** **12**
WEBINAR ON CYBER SECURITY ONLINE (GOOGLE MEET)	FRI **AUG** **23**
THE ANNUAL CLUB DAY CSE SEMINAR HALL (B BLOCK)	TUE **OCT** **01**
TREASURE HUNT ACADEMIC BLOCK D	TUE **FEB** **18**
FACULTY TREASURE HUNT ACADEMIC BLOCK D	WED **FEB** **19**
DIGITAL POSTER PRESENTATION (DPC) CSE SEMINAR HALL	WED **FEB** **19**
INNOVWAVE: THE PITCH DECK (DPC) CSE SEMINAR HALL	WED **FEB** **19**
ENGINEERING QUIZ (DPC) B BLOCK LT8 (B113)	THU **FEB** **20**





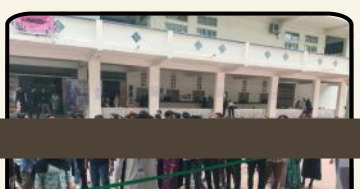










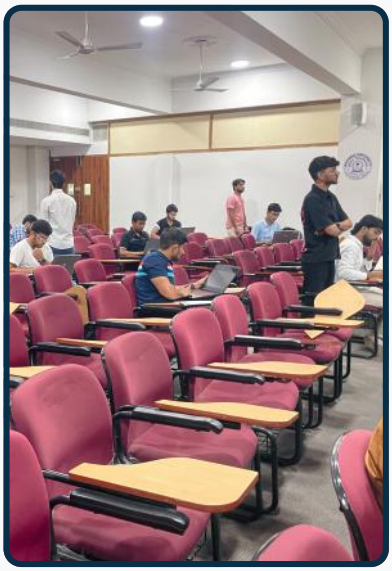

CODE CLUB
Integral University

CODE CLUB

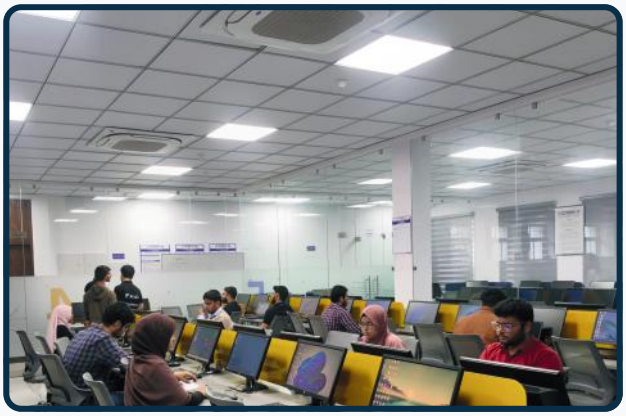
CLUB ADVISOR : DR. ROSHAN JAHAN
STUDENT COORDINATOR : TAHA IFTIKHAR

Events CALENDER

Code Craft Championship(Finale) (DPC) Central Auditorium Hall 1	MON **OCT** **07**
C-Hack ICC Lab 2,4,5	THU **FEB** **20**
Algo Arena ICC Lab 4,5	TUE **FEB** **18**
COD LT 8 (B113)	TUE **FEB** **18**
BGMI LT 9 (B111), LT 10 (B109)	TUE **FEB** **18**








CYBER- OPS

CLUB ADVISOR : MS. NIDA KHAN

STUDENT COORDINATOR : ABDUL RAHMAN KHAN

Events CALENDER

CYBER SECURITY WORKSHOP 1 CENTRAL AUDITORIUM	MON **OCT 07**
FREE FIRE LT 6 (B117), 7(B115)	FRI **FEB 18**
VALORANT ONLINE	TUE-THU **FEB 18-20**
THE FINALS ONLINE	TUE-THU **FEB 18-20**
CYBER SECURITY WORKSHOP 2 CSE SEMINAR HALL	TUE **FEB 28**

TECH CLUB

CLUB ADVISOR : DR. M.M. TRIPATHI

STUDENT COORDINATOR : SANIYA INTEZAR KHAN

TECH CLUB
WHERE INNOVATION MEETS CREATIVITY

Events CALENDER

FLIP THE CLUES CENTRAL AUDITORIUM HALL 3	FRI **AUG** **16**
FELICITATION CEREMONY (GDSC) CENTRAL AUDITORIUM HALL 3	FRI **AUG** **16**
GDGC INFO SESSION CENTRAL AUDITORIUM HALL 3	THU **SEP** **19**
INTEGRALS GOT LATENT SEMINAR HALL, B BLOCK	TUE **SEP** **24**
BATTLEVERSE SHOWDOWN 2024:THE ULTIMATE GAMING ARENA SEMINAR HALL (F BLOCK)	THU **OCT** **24**
WEB DEVELOPMENT WORKSHOP AUDITORIUM HALL 2	WED **FEB** **05**
GAMEHOLIC(FIFA) AUDITORIUM HALL 1	WED **FEB** **19**
STUDENT OF THE YEAR BEHIND D BLOCK	THU **FEB** **20**





SOCIAL RESPONSIBILTY

CLUB ADVISOR : DR. MOHD AKBAR
STUDENT COORDINATOR : IRTIQUA MIRAN

Events CALENDER

Food Donation Drive VILLAGE : PAIKRAMAU, KURSI ROAD, LUCKNOW	SUN **MAR**	**23**
INTER DEPARTMENT QUIZ. : KNOW YOR CONSTITUTION ONLINE	SAT **APR**	**19**







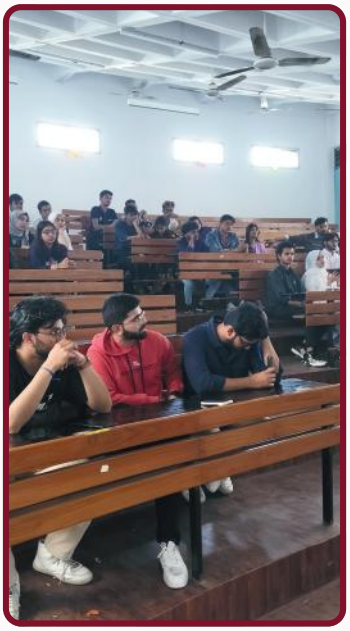


ART AND CULTURAL

CLUB ADVISOR : MRS. SALEHA MARIYAM
STUDENT COORDINATOR : MD SAAD BIN RIZVI

Events CALENDER

DIGITAL POSTER MAKING COMPETTITION ONLINE	THU **AUG**	**15**
NO BAG DAY AUDITORIUM HALL 2,	THU **OCT**	**03**
NOSTALGIA QUIZ LT 8(B113), B BLOCK	WED FEB	**19**
ESCAPE ROOM LT 6(B117), LT 7(B115), LT 8(B113), B BLOCK	WED **FEB**	**19**
SQUID GAME 4.0 BADMINTON COURT, B BLOCK	TUE **FEB**	**18**



LITERARY CLUB

CLUB ADVISOR : DR. NUDRAT FATIMA
STUDENT COORDINATOR : SYED WASIF HUSSAIN

Events CALENDER

SHABDON KI MEHFIL CENTRAL AUDITORIUM HALL 2	WED **SEP**	**04**
VERBAL ARENA CSE SEMINAR HALL (B BLOCK)	MON **SEP**	**30**
FACULTY FACEOFF CSE SEMINAR HALL (B BLOCK)	TUE **FEB**	**18**
MUGGLES TO MAGIC SEMINAR HALL, B BLOCK	THU **FEB**	**20**

SPORTS CLUB

CLUB ADVISOR : DR. MOHD SHUAIB

STUDENT COORDINATOR : MD SAQLAIN MUSTAQUE

Events CALENDER

BADMINTON TOURNAMENT (GIRLS) BADMINTON COURT (B BLOCK)	MON **SEP** **23**
BADMINTON TOURNAMENT(BOYS) BADMINTON COURT (B BLOCK)	TUE **SEP** **24**
HOOMAN LUDO BADMINTON COURT (B BLOCK)	TUE **FEB** **18**
BIRDIE BLITZ BADMINTON COURT (B BLOCK)	THU **FEB** **20**
BILIARDS NLT 14 (D213)	WED **FEB** **19**
KILLER'S TRAIL NLT 14 (D213) & NLT 15 (D216)	WED **FEB** **19**









estd 2023
FILM CLUB
dream-create-live

FILM CLUB

CLUB ADVISOR : MS. FALAK ALAM
STUDENT COORDINATOR : SHASHWAT DIWEDI

Events CALENDER

INKWELL D-213 (BLOCK-D)	WED **SEP**	**25**
POP CORN DIARIES SEASON-1 CSE SEMINAR HALL, B BLOCK	SAT **NOV**	**09**
POP CORN DIARIES SEASON-2 CSE SEMINAR HALL, B BLOCK	WED **JAN**	**29**
IFF SEASON-1 CENTRAL AUDITORIUM (SIDE HALL-1) ,ACADEMIC BLOCK-B (BIOTECH SEMINAR HALL 2ND FLOOR) & GARDEN IN FRONT OF HOD OFFICE	TUE-THU **FEB**	**18-20**

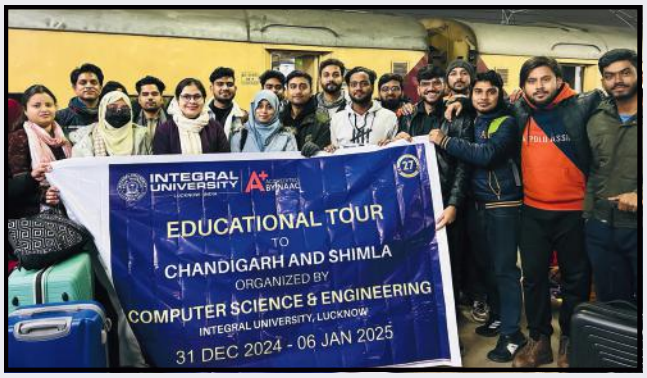







Industrial Visits

7 DAYS EDUCATIONAL TOUR CHANDIGARH AND SHIMLA



From 31st December 2024 to 6th January 2025, the Department of Computer Science & Engineering organised a week-long industrial visit to Chandigarh and Shimla, combining academic exploration with leisure. The highlight of the visit was a tour of C-DAC/PUN COM, a nationally recognized research and development center, where students gained valuable insights into real-time tech environments, software development practices, and the role of IT in both public and private sectors. The visit provided hands-on tech exposure and insights from industry experts, while the scenic beauty of Chandigarh and Shimla fostered group bonding and cultural exploration.

The visit was smoothly coordinated by faculty members Ms. Nida Khan, Dr. Mohd Suaib, and Ms. Falak Alam, ensuring a well-organized and enriching experience. The initiative was well-received by students, demonstrating how learning can extend beyond the classroom into real-world contexts.

ONE DAY INDUSTRIAL VISIT TO XIPE TECH, LUCKNOW

On 22nd February 2025, the Department of Computer Science & Engineering organized a one-day industrial visit to Xipe Tech, Lucknow for 3rd and 4th-year students. The visit aimed to bridge the gap between academics and industry by providing firsthand exposure to real-time software development practices. Xipe Tech provided insights into real-world workflows, tools, and how academic concepts apply in industry. Coordinated by Ms. Nida Khan, the visit was well-organized and enriched students' professional growth.

ONE DAY INDUSTRIAL VISIT TO SKY VIEW SMART SOLUTION

On 1st March 2025, the Department of Computer Science & Engineering organized a one-day industrial visit to Skyview Smart Solutions, Lucknow, to provide students with real-world exposure to IT operations and emerging technologies. Skyview is an IT provider in Saudi Arabia and India, specializing in infrastructure, cybersecurity, and app development. The visit with 100 students included sessions on technical concepts, industry demands, and careers. Ms. Nida Khan and Ms. Sonam coordinated the event and arranged transport. The visit offered valuable insights into the evolving IT industry.

CONVENER:
DR. ROSHAN JAHAN

CO-CONVENER :
MRS. SALEHA MARIYAM

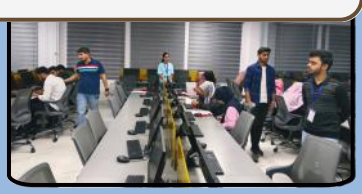
FACULTY MEMBERS :
MRS. AMBREEN ANEES
MR. FAIZAN AHMAD

DEPARTMENT PLACEMENT COMMITTEE

Events CALENDER

CODE CRAFT CHAMPIONSHIP (CODE CLUB) CENTRAL AUDITORIUM HALL NO. 1	THU **AUG** **12**
DIGITAL POSTER PRESENTATION (AMC) CSE SEMINAR HALL (B BLOCK)	TUE **OCT** **01**
INNOVWAVE : THE PITCH DECK (AMC) CSE SEMINAR HALL (B BLOCK)	TUE **FEB** **18**
ENGINEERING QUIZ (AMC) B BLOCK LT8 (B113)	WED **FEB** **19**
EXPERT TALK ON "HIGH PROFILE BUILDING" CSE SEMINAR HALL (B BLOCK)	WED **FEB** **19**
ALGO ARENA (CODE CLUB) ICC LAB-4 (B BLOCK)	WED **FEB** **19**
C HACK : SYNTAX SHOW DOWN (CODE CLUB) ICC LAB-4 (B BLOCK)	THU **FEB** **20**

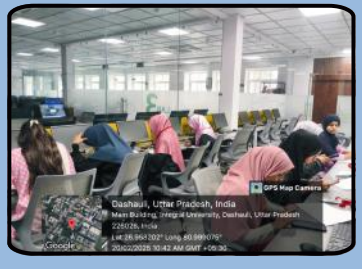


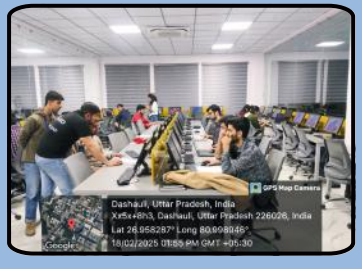
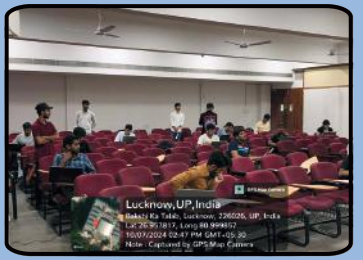
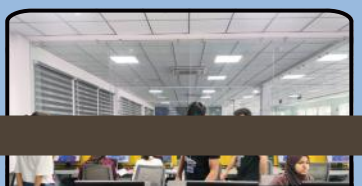










DEPARTMENTAL ALUMINI COMMITTEE

CONVENER:
DR. ROSHAN JAHAN
CO-CONVENER :
MS. AMBREEN ANEES

Events CALENDER

BRIDGING THEORY AND PRACTICE: FUNDAMENTALS OF COMPUTER SCIENCE IN INDUSTRY	WED AUG 14
EXPERT GUEST LECTURE "GET YOURSELF INDUSTRY READY	FRI MAY 03
APPLICATION OF CLOUD COMPUTING - AN INDUSTRY PERSPECTIVE	SAT AUG 03

campus PLACEMENT

Congratulations

on your placement Integral wishes you a bright future ahead

accenture

Arshad Ali
BTech CSE

Ayma Fatima
BTech CSE

Mohd. Asad Khan
BTech CSE

Insha Khan
BTech CSE (CCAI)

Sayed Afaq Ahmed
BTech CSE (CTIS)

Mushahid Khisal Ansari
BTech CSE

Saquib Mansoori
BTech CSE

Mohd Ali Jasim
BTech CSE

Md Nehal Akhlaque
BTech CSE (CCAI)

cognizant

Gulam Mudassir Zafar
BTech CSE

Mohd. Ali Jasim
BTech CSE

Mohd Arsh
BTech CSE

LTIMindtree

Mohd Shad Ahmad
BTech CSE

HCL TECHNOLOGIES

Mohd. Saad
BTech CSE

Mohd Adnan Talha
BTech CSE

TalentServe

Gulam Mudassir Zafar
BTech CSE

Md Nawaz Akbar
BTech CSE

Mohd Anas Ahmad
BTech CSE

Launched

Harshita Khandpal
BTech CSE

Mohammad Umar
BTech CSE

Smriti Rai
BTech CSE

Mohd Umair Azhar
BTech CSE

Faiza
BTech CSE

Hasan Hashemi
BTech CSE(CCAI)

Ruhul Fatima Abdi
BTech CSE

Gulam Mudassir Zafar
BTech CSE

Edu-versity

Maliha Fatima
BTech CSE

PLANET SPARK

Altamash Kamal
BTech CSE

Insha Fatima
BTech CSE

Shozaib Zulfiqar
BTech CSE

Mohd Arham
BTech CSE

Nigar Parveen
BTech CSE (DSAI)

Mohammad Amaan
BTech CSE

Mohammed Aabshar Abidi
BTech CSE

Coforge

XRM

Aksha Malik
BTech CSE

Abdul Rafey
BTech CSE

REALTY ASSISTANT

Mohd Anas Ahmad
BTech CSE

Ishan Khan
BTech CSE

Mohammad Umar
BTech CSE

CORIZO
Empowering Tomorrow's Leaders

IntelliPaat

Majid Iliyas
BTech CSE

PURSUIT FUTURE TECHNOLOGIES

Ishan Khan
BTech CSE

Md Sahil Ali
BTech CSE

Mohsin Abbas Khan
BTech CSE (DSAI)

Syed Kazeem Akbar
BTech CSE (DSAI)

Teachnook

Mohd Mustufa
BTech CSE

Hameedur Rahman
BTech CSE

Mohd Abuzar
BTech CSE

Mohd Daiyan khan
BTech CSE

Faiz Irfan
BTech CSE (DSAI)

Aman Siddiqui
BTech CSE (DSAI)

Mohd Hameed Ahmad
BTech CSE

Spiders

Mohd Adnan Talha
B.Tech CSE

Sundaram Verma
BTech CSE

Tanisha Srivastava
B.Tech CSE

Mishkaat Anjum
BTech CSE

Md Nawaz Akbar
BTech CSE

Sayra Nadeem
BTech CSE

Mohammad Saad Aslam
BTech CSE

TO THE NEW

CloudKeeper

Abul Hasan
BTech CSE

Mohd. Zaid Khan
BTech CSE

Rohit Pathak
BTech CSE

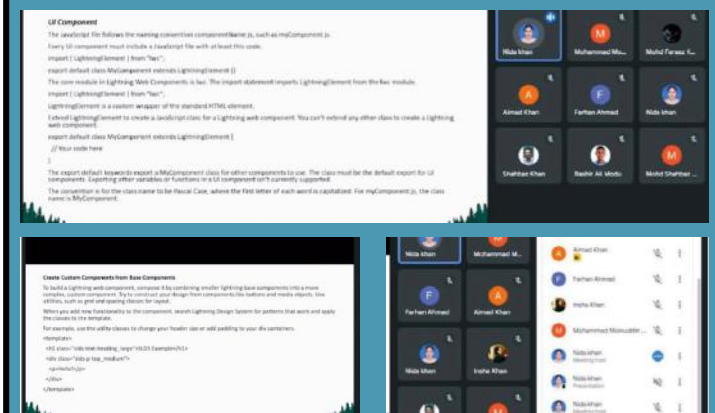
Value Added Course

To enhance students' technical capabilities and bridge the gap between classroom learning and real-world applications, the department organized two Value Added Courses during the academic year 2024–2025. These courses were designed to offer hands-on experience and exposure to emerging technologies, enabling students to build in-demand skills and gain practical knowledge under expert guidance. The Value Added Courses focused on topics such as Salesforce Technology and the Internet of Things (IoT), both of which are increasingly vital in today's digital landscape. The initiative received positive feedback and played a significant role in boosting students' industry readiness.

Salesforce Technology

The Value Added Course on **Salesforce Technology**, Conducted from 5th February to 25th February 2025, introduced students to one of the world's leading Customer Relationship Management (CRM) platforms. Under the mentorship of **Dr. Nudrat Fatima**, the course provided an in-depth understanding of cloud-based CRM solutions, automation tools, and customer data management.

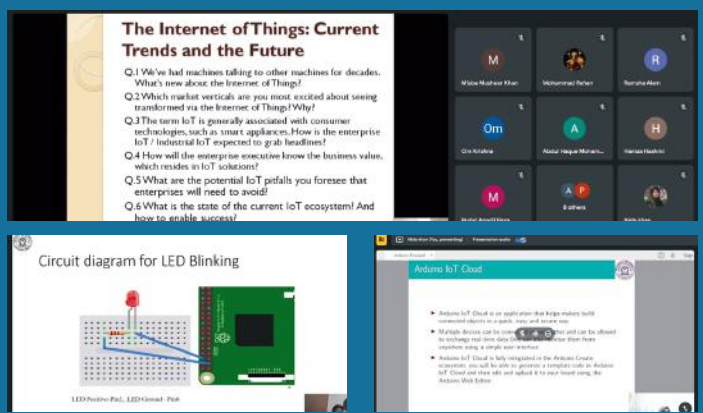
With 67 students participating, the program emphasized real-time applications and practical training, helping students become industry-ready in cloud computing and enterprise system management.



Internet of Things

The Value Added Course on Internet of Things (IoT), held from 26th October to 18th November 2024, saw a remarkable participation of 203 students. The course was led by a team of expert resource persons including **Dr. Shish Ahmad, Ms. Kavita Agrawal, Dr. Mohd Haroon, Dr. Mohd Arif, Dr. Halima Sadia, Dr. Faiyaz Ahmad and Ms. Saleha Mariyam.**

It focused on core IoT concepts such as sensor integration, connectivity, and smart system development. The hands-on sessions allowed students to explore how IoT can transform industries through automation and data-driven decision-making.



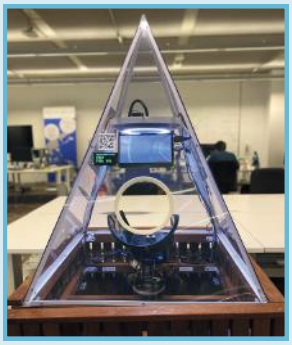
STUDENT RESEARCH AND ACHIEVEMENTS

Volume - V

Student Projects

UPCST FUNDED

Artificial Intelligence based Smart Bin



Altamash Kamal (4th yr CSE C)
Ahmad Abuzar (4th yr CSE)
Obaid Ali Khan (4th yr CSE)
Mohd Zaid (4th yr CSE)

Smart bin as a solution for waste management, which uses Machine Learning to sort waste with no human intervention, preventing harm to environment and labor.

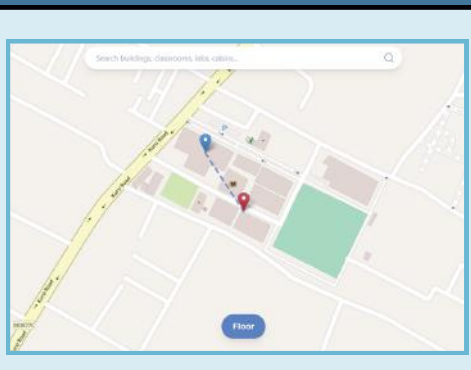
INTEGRAL PROJECT

IU Archive

Mushahid Khisal Ansari (4th yr CSE)
Tamjeed Hira (4th yr CSE)
Syed Afaq Ahmad (4th yr CSE)

Responsive application that allows students and faculty to share academic resources using institutional email authentication.

IU MAPS



Mushahid Khisal Ansari (4th yr CSE)
Mohd Ali Jasim (4th yr CSE)

IU maps offers an interactive campus map with images, floor details, and live search to easily find any classroom. A blue dotted path guides the user to destination.

STUDENT PROJECTS

We proudly celebrate the innovative projects of our final-year B.Tech CSE students. Their work in AI, machine learning, and intelligent systems showcases the creativity, skill, and forward-thinking spirit that define our academic community.

Projects

Name Of The Students	Branch	Name Of The Project
Subham Pandey Sumaiya Tahseen Rohit Pathak	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	AI-powered Sign Language Translator:PCS-24-018
Mohd Ali Raza Khan Mohd Shaizan Mohd Raziuddin	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	Nova: VoiceBot PCS-24-020
Arshad Ali Bilal Arshad Anuj Kumar Akash	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	Emotion Recognition System Using Deep Learning PCS-24-024
Mirza Mohd Umar Saria Medeen Rehan Khan Mohd Mustafa	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	Skin Cancer Detection: Saving Lives through Machine LearningPCS-24-094
Zainab Fatima Mehwesh Ayyub Md Abdul Rahman Aksha Malik	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	Intelligent Diagnostic Harmony Automation : CNN-RNN Approach for the Early Detection of Pancreatic DiseasePCS-24-107
Alina Khan Ayaz Ahmad Abdul Maid	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	Blockchain Based Supply Chain ManagementPCS-24-065
Adarsh Narayan Singh Nawaz Anwer Khan Mohammad Aman Khan	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	Vision-Based Obstacle Avoidance RobotPCS-24-009
Abdullah Noor Ruhin Fatima Abdi Areeba Sayeed	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	Image Classification for Medical DiagnosisPCS-24-043
Mishkaat Anjum Warishaa Anwar Tooba Afzal Tasfiya Khanam	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	Machine Learning based Rainfall PredictionPCS-24-010
Md Sulman Gurfam Ahmad Siddiqui Ikrar Ahmad Archita Prakash	B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year B.Tech (CSE)4th year	Predicting Credit Card ApprovalsPCS-24-065

Inter and Intra-University Engagements

ENGINEERING QUIZ

Subham Pandey & Ahmad Abuzar (B.Tech CSE, 4th Year) emerged as winners of the Engineering Quiz organized by The Times of India, outperforming participants from six other engineering departments.


Certificate Number: ACAI/AICraft2.1/2025/P/79-010 Dated : 07/03/2025

AMITY UNIVERSITY

A RESEARCH & INNOVATION DRIVEN UNIVERSITY

CERTIFICATE OF PARTICIPATION

This is to certify that

Abdul Malik

has participated in **AICraft 2.1** held at **Amity University, Noida** on 07th March 2025, organized by **Amity Centre for Artificial Intelligence, ACAI.**

Dr. Anukriti Verma
Coordinator, AICraft 2.1

Dr. M.K. Dutta
Director, Amity Centre for Artificial Intelligence, Amity University, Noida, Uttar Pradesh.

HACKATHON (AI CRAFT 2.1)

Abdul Malik represented Integral University at AI Craft 2.1 conducted by Amity University, presenting a startup idea called AI-Designed Smart Specs. Out of 515 teams, his team was officially selected by the technical committee.


THE LINUX FOUNDATION Open Printing

OSC

Certificate of Participation

This certificate is proudly awarded to

Mr. Mohd Sajid Jafri

for successfully participating in the **Opportunity Open Source Conference** held from Aug 24 - 26, 2024 at IIT Kanpur organized by Open Printing and the Linux Foundation.

TILL KAMPPETER
CHAIR, OOSC' 24

AVEEK BASU
CHAIR, OOSC' 24

IIT KANPUR OSC (HACKATHON)

Mohd. Sajid Jafri participated in a 12-hour offline hackathon organized by the Open Source Open Community (OOSC) at IIT Kanpur.

LOHIA HACKATHON 2025

Hackathon at Lohia Mohd. Qamber Syed & Abdul Malik Secured first and second position respectively at hackahon held at Lohia for their project, which used AI and machine learning to solve real world problems.

TCS CODEVITA SEASON 12THON 2025

Mohd. Ali Jasim secured global rank of 1865 out of 444,000+ participants from 94 countries, as a result of this achievement got offer from TCS for a prestigious role at the organization.

IDEATHON SRMCEM 2025

Ideathon SRMCEM 2024 Ojas Mishra & Omar Ahsan secured first and third position respectively at Ideathon held at SRMCEM, with idea 'Therapsit Chat App', on April 29th, 2024

ISRO EVENT (AKTU)

On August 08, 2024, a group of nine students from Integral University, including myself, had the privilege of attending an event organized by Abdul Kalam Technical University (AKTU) in collaboration with the Indian Space Research Organisation .

A+ Fiesta 2025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PRIZE DISTRIBUTION
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HACKATHON
2024


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2024


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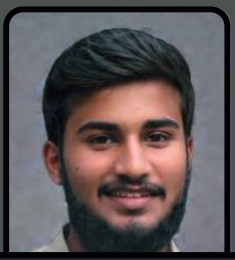
INTEGRAL
UNIVERSITY
A+
I.U.

STUDENT RECOGNITION

Python Developer | Backend Developer at **UPWORK**

Abdul majid
B.Tech Computer science and engineering



Lead Google Develepors GC

Sayed Afaq Ahmed
4th Yr CTIS

Certificate for META hacker cup Facebook

Mohd. Ali Jasim
B.Tech Computer science and engineering

Campus Ambassador Redbull India

Irtiqua Miran
2nd Yr CSE-E

Campus Ambassador Unstop

Sajid Jafri
2nd Yr CSE-G

FACULTY
RESEARCH AND ACHIEVEMENTS

Volume - V

FACULTY HIGHLIGHTS

We celebrate the remarkable achievements of our faculty members through their impactful research papers, conference presentations, and book articles. From pioneering studies published in leading journals to influential talks at major gatherings and authored works in academic volumes, these contributions reflect the depth of scholarship and innovation that define our academic community. Join us in recognizing the research that shapes knowledge, inspires students, and contributes to global academic dialogue.

Conference Papers

Title	Author	Conference Name	Organizer Name
Wireless Technology - Building a Digital World	Ms. Kavita Agarwal	2nd International Conference on Networking, Embedded and Wireless Systems (ICNEWS-2024)	Department of Electronics & Communication Engineering, B.M.S College of Engineering, Bangalore
Violence Detection Using Convolution Neural Network And Long Short Term Memory	Ms. Kavita Agarwal	3rd International Conference on Control, Computing, Communication and Materials (ICCCCM-2024)	United collage of Engineering And Research, Prayagraj, India
Detection of Antenatal Health Risk Level Using Machine Learning	Ms. Sonam, Faiyaz Ahamad	3rd International Conference on Control, Computing, Communication and Materials (ICCCCM-2024)	United collage of Engineering And Research, Prayagraj, India
IoT and Machine Learning: Further Research Axes from Industry 4.0 to 5.0	Manish Madhava Tripathi	International Conference on Advances in Science, Engineering and Technology (ICASET-2024)	Department of CA, Integral University, Lucknow
Energy Efficient Position based Routing in Wireless Sensor Network using DREAM and LAR Approach	Dr. Shish Ahmad, Dr. Manish Madhav Tripathi, Dr. Mohd Haroon, Dr. Jameel Ahamad	2nd International Conference on Computational and Characterization Techniques in Engineering and Sciences(CCTES-2024)	Department of electrical engineering
A Comparative analysis of distinct machine learning algorithm using stock price prediction	Shra Fatima, Ummey Habiba, Naziya Anjum	International Conference on Innovative and Challenges in Computing and Innovating Technologies for a sustainable future (ICCIT-2024)	British University Vietnam
Automatic Music Beats According to Intensity of Exercise	Dr. Manish Tripathi, Dr. Mohd Haroon	International Conference on Innovative and Challenges in Computing and Innovating Technologies for a sustainable future (ICCIT-2024)	British University Vietnam
IoTWP: Design and Development of Internet of Things Assisted Weather Prediction Scheme with Advance Remote Tracking Norms	Dr. S. H. Abbas	International Conference on Power Energy control and Transmission systems (ICPECTS)	IEEE
Optimizing Product Demand Forecasting with Hybrid Machine Learning and Time Series Models: A Comparative Analysis of XGBoost and SARIMA	Dr. S. H. Abbas	Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	Elsevier
Enhancing construction project cost predictions using machine learning for improved accuracy and efficiency	Dr. S. H. Abbas	Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	Elsevier
Robust Prediction of COVID-19 Mortality with Ridge Regression and Hyperparameter Optimization	Dr. S. H. Abbas	Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	Elsevier
Comparative Analysis of C, C++ Time and Space Complexity	Dr. S. H. Abbas	National Conference on Innovations in Science & Technology (IST-2024)	National Institute of Technology
Next-Generation Collaborative AI for Global Sustainability Engagement	Dr. S. H. Abbas	(ICIMSSS-24)	Springer
Edge Computing Solutions for Scalable and Secure Future Digital Ecosystems	Dr. S. H. Abbas	(ICIMSSS-24)	Springer
Augmented Reality Platforms for Future-Driven Community Engagement	Dr. S. H. Abbas	International Conference on Innovation in Multi-Disciplinary Sciences and Smart Systems	Springer
Advancing Crop Disease Identification Using Machine Learning and Transfer Learning Approaches	Dr. Sifatullah Siddiqi	Nanotechnology Perceptions	Collegium Basilea, Switzerland
Leveraging Machine Learning Techniques to Forecast Agricultural Crop Yields	Dr. Sifatullah Siddiqi	Library Progress International	BPAS Publications, Ghaziabad, Uttar Pradesh, India
PCA-SWF: A Principal Component Analysis-Based Stacked Model Approach for Weather Forecasting	Dr. Sifatullah Siddiqi	Journal of Information Systems Engineering and Management	
Enhancing The Effectiveness Of Weather Forecasting Using Ensemble Machine Learning Techniques	Dr. Sifatullah Siddiqi	Nanotechnology Perceptions	Collegium Basilea, Switzerland

Research Articles

Title	Author	Journal Name	Indexing
Improving Blockchain Security: Integrating Encryption and Hashing Techniques	Ankita Srivastava, Dr. Shish Ahmad	International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	Scopus
Quantifying Breast Cancer: Radiomics, Machine Learning, and Dimensionality Reduction for Enhanced Image-Based Diagnosis	Dr. Manish Madhav Tripathi	University of Bahrain Scientific Journal	Peer Reviewed
Revolutionizing UAV: Experimental Evaluation of IoT-Enabled Unmanned Aerial Vehicle-Based Agricultural Field Monitoring Using Remote Sensing Strategy	Dr. S H Abbas	Springer	Q2-Scopus
Identification of psychological stress from speech signal using deep learning algorithm	Dr. Mohd Akbar	e-Prime - Advances in Electrical Engineering, Electronics and Energy (Science Direct)	Scopus / Elsevier (Q1)
Deep and Machine Learning for Acute Lymphoblastic Leukemia Diagnosis: A Comprehensive Review	Dr. Mohd Akbar	Advances in Distributed Computing and Artificial Intelligence Journal (Web of Science)	ESCI (Q3)
Sentiment Analysis of Covid-19 Tweets Using BERT	Dr. Jameel Ahmad	Educational Administration: Theory and Practice	Scopus Q3
Evaluating Healthcare Providers' Perceptions, Expertise, And Barriers Regarding The Adoption of AI In Rehabilitation	Dr. Syed Hauider Abbas, Rahul Ranjan, Balmukund Maurya, Ajaz Husain Warsi, Saman Khan	Cuestiones De Fisioterapia	Scopus, Q4
Cloud-Based Digital Twins: Revolutionizing Healthcare Monitoring and Management: A Comprehensive Review	Falak Alam	International Journal of Innovative Research in Engineering and Management	Peer Reviewed
Evaluating Healthcare Providers' Perceptions, Expertise, And Barriers Regarding The Adoption of AI In Rehabilitation	Saman khan	Cuestiones De Fisioterapia	Scopus, Q4
Cloud-Based Digital Twins: Revolutionizing Healthcare Monitoring and Management: A Comprehensive Review	Aaftab Alam	International Journal of Innovative Research in Engineering and Management	Peer Reviewed
Modern Healthcare with Machine Learning: Innovation and Future Prospects	Aaftab Alam, Hina parveen, Tabassum	Cuestiones De Fisioterapia	Scopus, Q4
Machine Learning-Based Sentiment Analysis for Suicide Prevention and Mental Health Monitoring in Educational Institutions	Anas Habib Zuberi, Ambreen Anees, Naziya Anjum, Ajaz Husain Warsi, Pervez Rauf Khan, Dr.Syed Hauider Abbas, Rahul Ranjan	Journal of Neonatal Surgery	Scopus Q3
Emotion Classification from Covid-19Pandemic Tweets using RoBERTa	Dr. Jameel Ahmad	Journal of Information Systems Engineering and Management	Scopus (Q4)
Decoding The Attributes of Learner's Performance in Moocs Using Machine Learning Algorithms	Dr. Jameel Ahmad	Nanotechnology Perceptions	Scopus (Q4)
Enhancing Cloud Data Security using a Hybrid Cryptographic Model: A Combination of Advanced Encryption Standard and Elliptic Curve Cryptography	Saman Khan , Dr. S. H. Abbas	Journal of Information Systems Engineering and Management	Scopus
The future of surgery: a guide to machine learning for surgeons	Danish Ahmad, Saman Khan, Rahul Ranjan, Syed Hauider Abbas	Journal of Neonatal Surgery	Scopus (Q3)

Patents

Title of Patent	Inventor name	Application No.	Grant/Published
Dual-chamber water bottle with separate hot and cold compartments	Dr Sheeba	202411079610 A	Published
AI based Heart Disease Prediction device	Noorishta Hashmi	6354452	Published
Impact of a sphere on fluid flow characteristics in a nozzle transitioning zone	Dr Sheeba	202411077893 A	Published
Automated device for early detection of tomato diseases	Dr. Halima Sadia	431245-001	Granted
Stress Detection Device Using ML	Dr. Sheeba Parveen	440217-001	Published
A solution to wastage of water through hydroponic farming using greentech approach	Dr. Sheeba Praveen, Dr. Raziqa Masood	202411100727 A	Published
Dynamic resource allocation system for optimized supply chain management in global markets	Naziya Anjum Shra Fatima	202541021149	Published
IOT Enabled Portable Device for Real-Time Screening of Drug Impurity	Anas Habib Zuberi, Dr. Anum Kamal, Saleha Mariyam, Ambreen Anees	430821-001	Granted

Books & Book Chapters

Title	Author	Book/Book Chapter	Publisher Name	Indexing
The Ripple Effect of Fake News and Hate Speech on Elections and Its Countermeasures Using Machine Learning Methodologies	Pushpendra Dwivedi	Book Chapter	Taylor & Francis Group, CRC Press	Scopus
A Review of Sentimental and Respiratory Health Effects on the Indian Population in the Post-Pandemic Era: Insights from Machine Learning Techniques	Dr. Manish Madhav Tripathi	Chapter	CRC Press	Scopus
Diagnosis of breast cancer using support vector machine	Dr. S H Abbas	Book	Blue Hill Publications Pvt. Ltd	Not Index
Enhancing fault tolerance in distributed systems through machine learning techniques	Dr. Mohd Haroon Dr. Manish Madhav Tripathi	Chapter	Routledge Tylor and Francis Group	Not Index
Cyber-security technique for profound analytics of big data using AI	Dr. Mohd Haroon Dr. Manish Madhav Tripathi Dr. Shish Ahmad	Chapter	CRC Press	Scopus
Critical Insight into Machine Learning-Based Secure and Reliable Healthcare Advancement	Dr. Mohd Haroon Dr. Manish Madhav Tripathi Dr. Shish Ahmad	Chapter	Springer, Singapore	Not Index
Exploiting of Electrical Energy and Artificial Intelligence for Automation	Dr. Mohd Haroon Dr. Manish Madhav Tripathi	Chapter	Springer, Singapore	Not Index
A proposed deep learning framework for internet-of-medical things	Dr. S H Abbas	Chapter	CRC Press	Scopus
CyberologyAn Optimized Approach to the Cyber-World	Dr. Halima Sadia	Book	CRC Press	Scopus
Blockchain for the morden enterprise	Dr. Mohd Haroon	Book		
Strategies for Cyber-Resilience: Combatting Advanced Persistent Threats in the Digital Age	Dr. Mohd Haroon Dr. Manish Madhava Tripathi Dr. Shish Ahmad	Book Chapter	CRC Press	Scopus
Ensemble learning techniques for sentiment analysis in social media data using LSTM	Dr. Mohd Usman Khan	Book Chapter	CRC Press	Scopus
Ensemble learning for intrusion detection in IoT networks	Falak Alam	Book Chapter	CRC Press	Scopus
A comparative study of various clusterimng algorithm using in machine learning	Naziya Anjum Faizan Ahmad	Book Chapter	CRC Press	Scopus
Strategies and tools for big data analytics in smart city environments:algorithms and data types	Shra Fatima	Book Chapter	CRC Press	Scopus
Ensemble learning for cybersecurity threat detection for web page phishing	Anas Habib zuberi	Book Chapter	CRC Press	Scopus
Ensemble learning methods for twitter sentiment analysis classification	Ambreen Anees	Book Chapter	CRC Press	Scopus
Ensemble learning for energy consumption forcasting	Ajaz Hussain Warsi	Book Chapter	CRC Press	Scopus
Exploring the potential of edge computing in IOT environment:a review	Maruti Maurya	Book Chapter	CRC Press	Scopus
Improving Stock price prediction accuracy using multivated regression: The role of Normalization Techniques in Machine Learning Modes	Dr. Mohd Haroon, Dr. Manish Madhava Tripathi, Dr. Shish Ahmad, Dr. Jameel Ahmad, Dr. Suaib Ahmad	Book Chapter	IEEE Xplore	Scopus
Energy Efficient Position based Routing in Wireless Sensor Networks using DREAM and LAR Approach	Dr. Shish Ahmad, Dr. Manish Madhava Tripathi, Dr. Mohd Haroon, Dr. Jameel Ahmad	Book Chapter	IEEE Xplore	Scopus
Smart Risk Management in Software Requirements: A VUCA Perspective	Dr. Halima Sadia	Book	LAP Lambert Academic Publishing	
A Textbook on Artificial Intelligence	Noorishta Hashmi	Book	Pandit Publications	

FACULTY ACHIEVEMENT

Session Chair

- Dr. Halima Sadia (Associate Professor)
- Dr. Faiyaz Ahamad (Associate Professor)
- Dr. Sheeba Praveen (Associate Professor)
- Dr. Usman Khan (Assistant Professor)
- Dr. Roshan Jahan (Assistant Professor)
- Dr. Ankita Srivastava (Assistant Professor)

Keynote Speaker

- Dr. Shish Ahmad (Professor)
- Dr. Mohammad Haroon (Professor)
- Mrs. Kavita Agarwal (Associate Professor)
- Dr. Syed Haider Abbas (Assistant Professor)
- Dr. Halima Sadia (Associate Professor)
- Mrs. Saleha Mariyam (Assistant Professor)

Reviewer

- Dr. Shish Ahmad (Professor)
- Dr. Halima Sadia (Associate Professor)
- Dr. Faiyaz Ahamad (Associate Professor)
- Dr. Sheeba Praveen (Associate Professor)
- Dr. Usman Khan (Assistant Professor)
- Dr. Roshan Jahan (Assistant Professor)
- Dr. Syed Haider Abbas (Assistant Professor)


INTEGRAL UNIVERSITY
BEST PAPER AWARD CERTIFICATE
This is to certify that Mr./Ms./Dr. Shesh Ahmad, Department of Computer Science and Engineering, Integral University, Lucknow, India has presented a research article titled: Energy Efficient Position based Routing in Wireless Sensor Networks using DREAM and LAR Approach and this paper is selected as Best Paper of the Session-3 in 2nd IEEE International Conference on Computational and Characterization Techniques in Engineering and Sciences (CCTES-24) organized by Department of Electrical Engineering and Electronics & Communication Engineering on 15-16, November 2024.


INTEGRAL UNIVERSITY
CERTIFICATE
IS PROUDLY PRESENTED TO
Prof. (Dr.) Shish Ahmad, Head, Department of CSE
Integral University, Lucknow.


INTEGRAL UNIVERSITY
CERTIFICATE OF APPRECIATION
This is to certify that Dr. Roshan Jahan, Integral University, Lucknow has chaired a Technical Session in the 2nd IEEE International Conference on Computational and Characterization Techniques in Engineering and Sciences (CCTES-24) organized by the Department of Electrical Engineering and Department of Electronics & Communication Engineering held on 15-16, November 2024.


3rd IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2025)
CERTIFICATE OF APPRECIATION
This is to certify that
Roshan Jahan
Integral University
has voluntarily contributed as a reviewer of papers for IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2025), to be organized by IEEE NP Section and ABVIIITM Gwalior, India on 6-8 March 2025.


Elite
NPTEL ONLINE CERTIFICATION
This certificate is awarded to
KAVITA AGRAWAL
for successfully completing the course
Teaching And Learning in Engineering (TALE)
with a consolidated score of 91 %
Online Assignments 21.50/25 Proctored Exam 69/75
Total number of candidates certified in this course: 587
Jan-Feb 2025
(4 week course)


Elite
NPTEL ONLINE CERTIFICATION
This certificate is awarded to
SALEHA MARIYAM
for successfully completing the course
Teaching And Learning in Engineering (TALE)
with a consolidated score of 82 %
Online Assignments 21.0/25 Proctored Exam 60/75
Total number of candidates certified in this course: 587
Jan-Feb 2025
(4 week course)


G.L. BAJAJ
International Conference
on
Computational Intelligence and Sustainable Engineering Solutions
(CISES-2023)
28-30 April, 2023
CERTIFICATE


FACULTY OF ENGINEERING AND TECHNOLOGY
International Conference
on
Computational Intelligence
and
Security


Venus International Foundation
Centre for Women Development

Award Winners

- Dr. Shish Ahmad (Professor)
- Dr. Sheeba Praveen (Associate Professor)

NPTEL Certification

- Mrs. Kavita Agrawal (Associate Professor)
- Mrs. Saleha Mariyam (Assistant Professor)

UPCST Student Project

- Dr. Faiyaz Ahmed (Associate Professor)

DEPARTMENTAL INITIATIVES

Academic-Industry Collaboration

INTEGRAL UNIVERSITY, ETRAIN EDUCATION & HCLTECH

On May 14, 2025, Integral University signed an MoU with ETrain Education Pvt. Ltd., in academic collaboration with HCL Tech Career Shaper, to launch a B. Tech CSE (AI & ML specialization) program. The MoU was signed by Prof. Javed Mussarat, Hon'ble Vice Chancellor, and Mr. Gaurav Kapoor, MD, ETrain Education, in the presence of Mr. Ganesh Venkatraman, GM, HCL Technologies.

The ceremony was graced by Hon'ble Pro-Chancellor Dr. Syed Nadeem Akhtar, with key attendees including Prof. Furqan Qamar, Prof. Abdul Azeez Qadar Hamsa, Prof. Shish Ahamad, Dr. Mohd. Atif Siddiqui, Mrs. Kavita Agrawal, and Dr. Mohd. Akbar. From the industry, Mr. Rahul Bedi, Mr. Sagar Verma (ETrain), and Mrs. Priyanka Singh (HCL) were also present. This collaboration aims to enhance student skills through industry-driven learning, aligned with Digital India, Skill India, and NEP 2020.

Faculty Lecture Series

A STEP TOWARDS ACADEMIC EXCELLENCE

Faculty Lecture Series – May 9 to 14, 2025
The Department of Computer Science & Engineering organized a Faculty Lecture Series from May 9 to 14, 2025, aimed at fostering peer learning, enhancing teaching practices, and encouraging academic collaboration.
The series was well-received and contributed to strengthening research culture, interdisciplinary learning, and awareness of emerging technologies within the department.

A total of 32 faculty members presented in this series, delivering insightful lectures on various trending topics. Each session was interactive and well-received by the attendees. Below is a thematic summary of the covered topics:

Emerging Technologies

- Artificial General Intelligence (AGI) – Mr. Aaftab Alam
- Quantum Computing – Ms. Ummey Habiba
- Neuromorphic Computing – Ms. Ambreen Anees
- Virtual Reality Framework for Smartphones – Ms. Falak Alam
- Augmented Reality – Ms. Afza Firdous

AI and Machine Learning

- AI & Climate Change Mitigation – Ms. Hina Parveen
- Machine Learning Applications for Anomaly Detection – Ms. Saman Khan
- Comparative Analysis of Regression Algorithms – Ms. Naziya Anjum
- Neural Network Solutions in Business Analytics – Ms. Tabassum

Security and Networking

- Cyber Threats and Malware Analysis –
- Dr. Puspendra Dwivedi
- Network Security in IoT & Cloud using ML – Mr. Anas Habib Zuberi
- Cyber Security – Ms. Nahid Khan
- Making APIs Secure – Ms. Umaima Fatima

Software and Development

- Frontend in Full Stack Development – Mr. Mohammad Aalam Khan
- OOPS – Ms. Noorishta Hashmi
- Parsing and Compiler Design – Ms. Mariyam Kidwai & Ms. Shra Fatima
- Consensus Faults in Distributed Systems – Mr. Faizan Ahmad

Innovative Systems and Architectures

- Smart Solar: ANN Driven MPPT – Mr. Ajaz Husain Warsi
- Blockchain – Ms. Nida Khan
- Brain Computer Interface – Mr. Ehteshaam Hussain & Mr. Pervez Rauf
- RAG App Development using Langflow – Mr. Merajuddin

Intact lab

TRANSFORMING IDEAS INTO SOLUTION

Integrated Network For Technological Advancement And Collaborative Thinking

Intact Lab drives cutting-edge technological advancements and real-world solutions by bridging academia, industry, and society. Supported by government-funded programs, it fosters innovation, sustainable growth, and transforms research into scalable technologies.

Faculty Coordinators :

- Dr. Mohd Usman Khan
- Mr. Merajuddin

RESEARCH PROJECT

- Smart Pharmacy Inventory System Using IOT Automation

CONSULTANCY PROJECTS

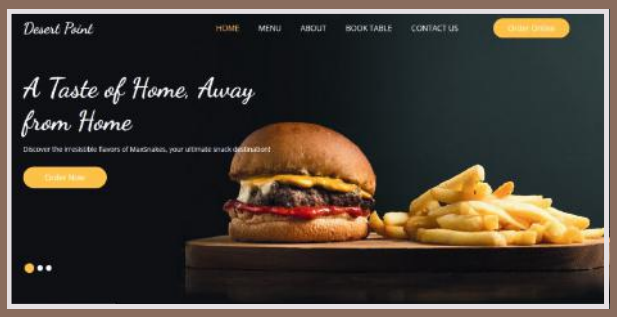
- Web Application Devlopment " Online Educational Plateform"
- Web Application Devlopment " Eggify Poultry and Feed Farm
- Web Application Devlopment" Desert Point Cafeteria
- Web Application Devlopment "Disease Prediction Usimng AI & ML"

SEED MONEY PROJECT

- Intelligent Health Monitoring System
- Arduino Based Star and Planet Tracker
- Harvesting Sustainability: Green Tech for Hydroponic Farming with Waste Water Management
- Safety Mechanism to Detect and Prevent the Drowning Object in Deep Water Zone
- Sustainable Approach To Energy Consumption Monitoring System Using Instant Messaging (IoT Based)

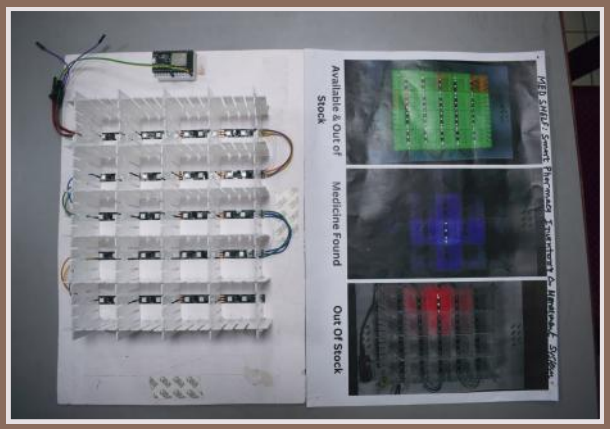
Project : Desert Point Cafeteria

A Consultancy project designed to fulfill the needs of a offline restraunt that needed a portfolio to serve as their menu for Digital marketing purposes.



Project : Med-self Pharmacy

Smart Pharmacy Inventory System Using IOT Automation



Testimonials

Aliza Khan
Batch of 2019

I was fortunate to have mentors who genuinely cared, an environment that inspired growth, and opportunities that sparked curiosity. The guidance from faculty and staff extended beyond classrooms, while academic events constantly pushed us to grow and dream bigger. Over the years, I've seen the university evolve meaningfully. 'Inspiring Excellence' isn't just a tagline- it's a lived reality. I carry forward the values I embraced here, which continue to guide me in all that I pursue.

Yousuf Sultan
Batch of 2023

Studying at Integral University was a great experience. The faculty were truly supportive and always ready to help with doubts or guidance. They did their best to create opportunities for us, from hosting workshops to bringing in industry professionals. I made amazing friends and learned how to manage multiple responsibilities without making excuses. My biggest takeaway: stay curious, keep learning, and focus on building a better future.

Hozaifa Shakeel
Batch of 2024

My journey at integral University was truly transformative. With the guidance of supportive professors and a strong technical foundation, I was able to build my skills in data analysis and business intelligence. Today, I am proud to be placed at Mobility4PS and working as a Data Analyst. The college not only sharpened my technical abilities but also helped me grow professionally and personally. I am grateful to my college for preparing me to face real-world challenges with confidence and clarity.

Insha
Batch of 2024

Hi, my name is Insha. I completed my B.Tech in Computer Science and Engineering with a specialization in Data Science and Artificial Intelligence from Integral University. For my major project, I collaborated with my classmates Hozaifa and Faiz on an Arduino-based star tracker, which was selected by UPCST. I'm currently placed at HCL in Lucknow, where I'm excited to begin my professional journey in the tech industry.

THE
CSE TIMES

Integral University Monday, April 28, 2025

GATE & NET QUALIFIERS

This year from our department more individuals cracked prestigious NET and GATE exam than ever, which includes faculty members and students alike, demonstrating determination, persistence and desire to achieve great things in life.

GATE QUALIFIED

MOHD HAROON
(Professor)

MARUTI MAURYA
(Assistant Professor)

GATE QUALIFIED

ZAINAB FATIMA
B.Tech CSE

NET QUALIFIED

ALOK MISHRA
M.Tech CSE

AFREEN QAMAR
M.Tech CSE

STUDENT CERTIFICATIONS & INTERNSHIP

	Microsoft Azure Certfications	37
IBM	IBM Certifications	31
CISCO	Cisco Certified support Technician(CCST) certifications	3
etrainIndia empowering education	Global Certifications + Intership program by IBM	205
SW SIPHER WEB	Intership By Sipher Web	270+

STUDENT RESEARCH

The research papers authored by students, demonstrate their commitment to academic excellence and scholarly contribution. Each paper reflects rigorous inquiry, critical thinking, and a passion for advancing knowledge across various disciplines.

Paper Name	Students	Supervisor
A Robust Real-Time Driver Drowsiness Detection System Using Eye Aspect Ratio and Facial Landmark Analysis	Mohd Hameed Ahmad, Umar Farooque Ahsan	Dr. Halima Sadia
Bridging Educational Gaps: The Role of Community Engagement and AI Verification in IU Archive	Sayed Afaq Ahmed, Tamjeed Hira, Mushahid Khisal Ansari	Mr. Ajaz Husain Warsi
Enhancing security in Customer Relationship Management (CRM) application by integrating Blockchain technology	Faiz Irfan, Ana Nadeem, Osama Haseeb	Mr. Danish Ahmed
Animal Tracking System Using Image Processing for Intrusion Detection and Tracking in Human settlements	Mohammed Asad Khan, Khalid Siddiqui, Majid Iliyas, Mohd Ammar	Dr. Ankita Srivastava
Leveraging Deep Learning techniques for Early Lung Cancer Detection from Computed Tomography Images	Kulsoom Zaidi, Mehvish Khatoon, Mohammad Saad Aslam, Ayma Fatima, Arshi Fatima	Dr. Roshan Jahan
Design and Optimization of a Serverless Computing Platform for Adaptive Edge-Cloud Environments	Smriti Rai, Sahil Ali, Md. Suhel Ansari	Dr. Jameel Ahmad
Integrating Credit Card Fraud Detection with Machine Learning Algorithms	Harshita Kandpal, Talha Usmani, Ayaan Khan, Bakhtiyaar Khan	Dr. Ankita Srivastava
AI-Driven Personalized Medical Recommendation System	Mansi Soni, Nigar Parveen, Saurabh Kumar Upadhyay, and Syed Kazeem Akbar	Mr. Faizan Ahmad
Cybersecurity Incident Detection (IDs) Using Machine Learning	Mansi Soni, Nigar Parveen, Saurabh Kumar Upadhyay, and Syed Kazeem Akbar	Ms. Nida Khan
Advancing Education through VR: The Emerging Scope of Virtual Classrooms	Mohd Tanveer, Mohd Azat, Inayat Husain, Sakil Ahmad	Mr. Mohammad Aalam Khan
Real-Time Vision-Based Indian Sign Language Translation Using Deep Learning Techniques	Subham Pandey, Sumaiya Tahseen, Rohit Pathak	Ms. Hina Parveen & Mr. Maruti Maurya
A Machine Learning Based Framework for Rain Forecast Weather Prediction	Mohd Kaif, Maroof Nusrat Khan, Md Raiyan Liyaquat, Mohd Sajid	Mr.Pervez Rauf
Smart Home, Smarter Living: The Rise of Automation System	Md Zishan, Arshad Khan, Mohammad Sohel, Md Mahtab	Dr. Mohammad Suaib
An Efficient Attendance Management System for College Environments Using Machine Learning Facial Recognition Technology	Asad Zia Lari, Faham Khan, Adeeb Ahmad, Ahmad Ali Raza	Dr. Mohammad Suaib
Al-Powered Chatbot Framework for Automated Customer Service	Syed Raza Ali, Tanisha Srivastava, Tabrez	Ms. Falak Alam
A Comprehensive Study on Music Recommendation System	Taushif Hasan, Rani Parween, Zishan Khan, Mohammad Tauheed	Mr. Rahul Ranjan
A BLOCKCHAIN-BASED FRAMEWORK FOR ENHANCING TRANSPARENCY AND TRACEABILITY IN CHARITY DONATIONS	Suraj Singh, Faraaz Ahmad Khan, Khizr Anis	Mrs. Saleha Mariyam

STUDENT ARTICLES

'To he Horizon' doesn't do enough justice of displaying the creative and linguistic capabilities of students of CSE department, here are a few more of mind boggling articles that will make you question the reality, and force you to think about problems "differently".

NAVIGATING THE COLLEGE : TAKING CARE OF MENTAL HEALTH

When I started college, leaving behind everything familiar wasn't easy. There were days when I felt really low, and although I kept telling myself it was just part of adjusting, deep down, I knew it was more than that. Many students go through this—overwhelmed by new surroundings, academic pressure, and the silent expectation to fit in. It's a tough phase that doesn't always get talked about enough, but it's real and valid.

At first, opening up about what I was feeling felt uncomfortable. I worried it might make me look weak or different. But when I finally started talking about it, even to just one trusted friend, it helped. It didn't magically fix everything, but it made the weight feel lighter. For me, expressing my emotions became a way to cope. For others, it might be different taking a walk, setting a small routine, writing down thoughts, or spending quiet time in nature. There's no one right answer.

The important thing is to find what works for you and to know that it's completely okay to seek help. Reaching out to friends, mentors, or mental health professionals is not weakness. It's strength. Even when things feel overwhelming, remember: you are not alone. Healing takes time, and hope is always within reach.

Aiman fatima
1st year Btech dsai

How AI has transformed the Education culture.

Artificial Intelligence has completely reshaped the education landscape. Though many people criticize technology for distancing humans from natural learning, AI has opened new opportunities across the world.
It has streamlined teaching, broadened access to knowledge, and simplified tedious academic tasks. Traditional education, once confined to physical classrooms, has now evolved. Students from any corner of the world can collaborate and learn through digital platforms.

Adaptive learning tools powered by AI allow students to move through lessons efficiently. Learning is no longer bound by location or strict schedules. This flexibility has made education more dynamic and inclusive for all. Beyond accessibility, AI maintains speed, accuracy, and consistency in academic systems. Processes like admissions, curriculum planning, and grading have become faster and more reliable. Intelligent Tutoring Systems, Personalized Learning Modules, and Automated Grading have transformed how institutions function.

AI tailors learning to individual needs. It identifies trends, analyses patterns, and adjusts methods based on each student's performance. Students can now learn at their own pace, improving retention and understanding without pressure. Immediate, detailed feedback through AI tools helps students quickly identify mistakes and correct them. This efficiency saves valuable time for both learners and educators. In essence, Artificial Intelligence is creating a new, tech-savvy education environment. It prepares students to embrace a future that is increasingly digital and connected. As education continues to evolve, AI remains a crucial force driving this change. It ensures learning stays engaging, effective, and accessible to all.

A Bold Future Ahead

Nimra Asif
1st Year CSE E

AI and Neurology : Revolutionizing Brain Health and Medicine

Artificial intelligence (AI) is changing how we understand and care for the brain. Picture AI as a brilliant helper, scanning MRIs or EEGs to catch problems like strokes, tumors, or Alzheimer's early often faster than doctors alone. It predicts epilepsy seizures, personalizes depression meds, and fine-tunes therapies for Parkinson's. AI even guides surgeons, making operations safer and more precise. By crunching massive amounts of data, it's paving the way for new drugs, helping people live better, longer lives.

AI isn't just for clinics it's giving people independence. Brain-computer interfaces let paralyzed individuals control robotic arms or type with their thoughts. Wearable devices track tremors or mood swings, offering real-time help. But challenges remain: AI can be hard to trust, data isn't always reliable, and privacy is a big concern. By solving these, AI and neurology could transform brain health for all.

AI in medicine next phase of our technological advancement?

Sarfaraz
3rd Year CSE D

Why Every Computer Science Student Should Learn Web Development?

Computer Science students study data structures, algorithms, networking, and operating systems to build a strong foundation. Yet, web development connects these concepts with real-world application. It's not just about creating websites-it's about solving problems and showcasing creativity. With web development, students can build portfolios, blogs, or apps that bring their ideas to life. It is also a highly valued skill in today's job market, with companies needing developers for web platforms. Learning web development early opens doors to internships, freelance projects, and strong career opportunities. It allows students to create visible work.

Web development also sharpens problem-solving skills essential for any tech career. Students understand user interaction, data flow between frontend and backend, and ways to fix bugs efficiently. These skills carry over to system design, architecture, and software engineering. Building websites provides students real-world practice that strengthens resumes and builds confidence. Working demos of projects often impress recruiters more than traditional resumes. Web development enables students to earn while studying by freelancing or launching independent projects. It transforms theoretical learning into practical achievements.

Mastering web development also leads to full-stack and cloud development. Knowledge of HTML, CSS, and JavaScript easily expands to frameworks like React and backend technologies like Node.js. Students can also explore databases and cloud platforms like AWS. This growth shapes them into versatile, in-demand professionals ready for dynamic tech careers. Combining creativity with technical skill, web development offers students a powerful advantage. In today's digital world, it is a skill every Computer Science student should confidently master.

Yousuf Jamal
3rd Year CSE-D

How AI May Be Destroying the Thinking Ability of Users

Artificial Intelligence (AI) has transformed how we live, work, and think—or perhaps, how little we think. With instant answers from AI assistants and auto-generated content, concerns are rising about a decline in mental engagement. Are we trading thinking for convenience? Instead of exploring multiple sources, many now accept AI's first response, weakening curiosity and discovery. Over-reliance on AI can dull our ability to think independently, making us passive receivers rather than active seekers of knowledge.

Education is especially vulnerable. Students increasingly use AI to write essays and generate code without true understanding. A study by Microsoft Research and Carnegie Mellon University surveyed 319 GenAI users and found that trust in AI often led to reduced critical thinking. While GenAI boosts efficiency, it also lowers cognitive effort in areas like information gathering, verification, and task execution. Long-term reliance could undermine students' ability to solve problems on their own, damaging the very skills education aims to build.

AI is a powerful tool, but only if used wisely. To protect our thinking abilities, we must treat AI as an aid, not a replacement. We should question AI outputs, take time for deep thinking, and occasionally disconnect to reconnect with our own minds. Real intelligence comes from within, not from machines.

Technology is a servant don't make it your master

Syed Wasif Hussain
3rd Year CSE -D

AI Replacing Software Engineers?

With tools like Devin from Cognition AI completing complex coding tasks, many software engineers worry about their future. AI today can generate quality code quickly, and platforms like ChatGPT have demonstrated strong programming capabilities. However, engineering is more than just coding—it requires understanding, critical thinking, and creativity. Someone still needs to decide what to build, solve complex problems, and ensure quality. AI will accelerate development, making engineers faster and more efficient, but it may reduce the number of routine jobs unless software demand rises rapidly.

This shift mirrors past industrial revolutions, where automation replaced manual labor but created new opportunities. Similarly, AI will automate basic tasks, freeing engineers to focus on innovation and problem-solving. Engineers will continue to be vital for building AI systems, ensuring ethical development, maintaining high standards, and designing human-centric solutions. Specialized fields like healthcare and finance will always require human expertise and decision-making that AI cannot replicate.

While concern is natural, the future is not about replacement but collaboration. AI will change how software is developed, handling repetitive tasks while humans drive creativity, innovation, and research. By adapting and embracing these changes, software engineers can secure a valuable and evolving role in the tech-driven future.

Taha Iftikhar
3rd year Btech CSE-D

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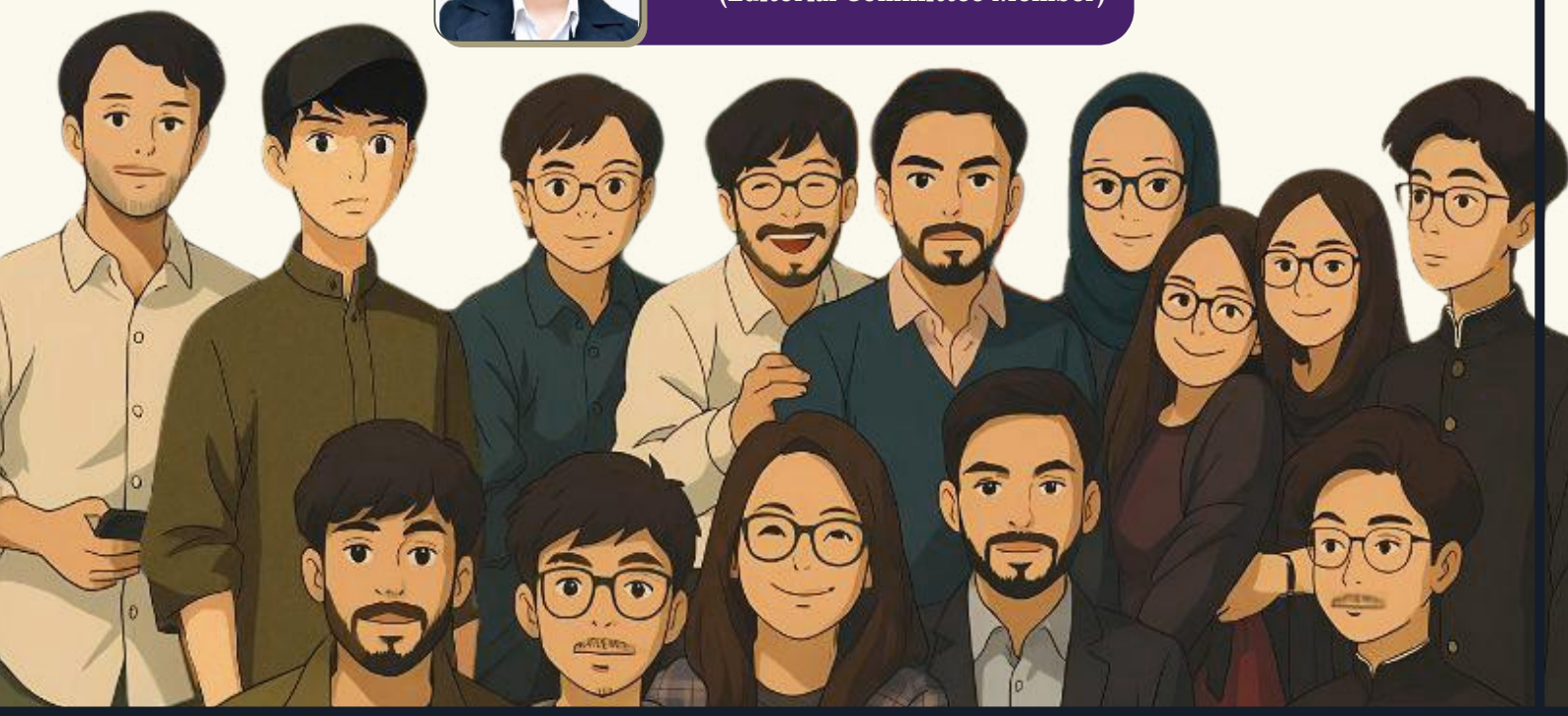

INTEGRAL UNIVERSITY

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