

Department of Computer Science and Engineering
(NBA Accredited Program till 30 June 2025)



Advisory Board

Prof. (Dr.) M. K. Jha
Director, ABESIT
Prof. (Dr.) Rizwan Khan
Professor & HoD, CSE

Editorial Board

Ms. Archana Sharma
Asst. Professor, CSE
Mr. Amit Kumar Singh Sanger
Asst. Professor, CSE

Student Coordinator

Kanishk Kumar Gupta
4th year, CSE

Spotlight

- Our Vision & Mission
- Proud Moments
- ABESIT adds another feather in its cap
- Student Achievements
- Expert talks & Guest Lectures
- Aayam Cultural Club Activities
- Rubrix Club Activities
- Faculty Development Program
- Research Publication Details
- Book Chapters
- Patents
- Other Acheivments
- Placements

Vision

To provide excellence by imparting knowledge to the learners enabling them to become skilled professionals to be recognized as a responsible citizen.

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.





PROUD MOMENTS

ABESIT adds another feather in its cap with NBA accreditation for the next three years

ABESIT Management congratulated Dr. Rizwan Khan, Head of Department; Mr. Avinash Sharma, NBA Coordinator; Faculty and staff of Computer Science and Engineering Department on NBA Accreditation granted to the department for the next three years. The accomplishment has strengthened the determination to attain perfection. The appreciation received from the expert team has added delight to the happy moment.

First Private Institute in AKTU to receive nVIDIA server



ABESIT Becomes the *First Private Institute in AKTU to receive nVIDIA server*. The server will help students and provide them with World Class Education and Research in Future Technologies like Deep learning, AI, Machine Learning, 5G Technology and Cyber Security.

Stratis Platform Camp organized by ABESIT Stratis Blockchain R&D Center in collaboration with Stratis Group Ltd. UK & C# Corner



The ABESIT Stratis Blockchain R&D Center, in collaboration with Stratis Group Ltd., conducted a Stratis Platform Camp on the 17th June 2022. During this session, they provided hands-on training to the students and shared their experiences on coding, development, blockchain protocols, blockchain applications, etc. which resulted in an excellent session for the students.



STUDENT ACHIEVEMENTS



SmartHacks 2022



Prince Kumar, student of 3rd year CSE., scored the highest Marks in 1st round of Smart Hacks 2021 organized by IIT Kanpur and shortlisted for grand finale, which will be held at IIT Kanpur.



Our faculty **Mr. Avinash Kumar Sharma** got an appreciation certificate for conducting Smart Hacks in ABESIT.



ABESIT Ghaziabad got recognition for organizing the First round of **Smart Hacks 2021** hosted by IIT Kanpur.



STUDENT ACHIEVEMENTS

CodeByte 2.0

Department of Computer Science and Engineering organized a Coding Competition- CodeByte 2.0 in collaboration with the Computer Society of India (CSI) and CodeChef on 1st May 2022. The competition promotes out-of-the-box thinking, problem-solving skills, and analytical thinking in the students.



Congratulations to **Naman Kumar Sharma** of 3rd year, CSE, for securing **1st position** in CodeByte 2.0 .



Congratulations to **Ravi Chauhan** of 3rd year, CSE, for securing **2nd position** in CodeByte 2.0 .



Congratulations to **Sachin Gupta** of 2nd year, CSE, for securing **3rd position** in CodeByte 2.0 .





EXPERT TALKS

Industry Oriented Technologies on OS by Dr. B. Shajahan

ABESIT
COLLEGE OF ENGINEERING

Department of
Computer Science and Engineering

Organizing

Expert Talk

Topic

Industry oriented technologies on OS

Participants - 2nd Year(CSE) Students

Saturday,
2:30 pm to 4:00 pm, 16 April 2022

Mode :- Online
Google Meet

Dr. B. SHAJAHAN
Professor – Department of CSE
Galgotia University, Gr. Noida

Contact: 9711060929, 8287516758, 8287516759
web: www.abesit.in | Email: admission@abesit.edu.in
19th Km. Stone, NH-9, Vijay, Nagar, Chaziabad (U.P)- 201009

An Expert talk was delivered on "Industry Oriented Technologies on Operating Systems" by Dr. B. Shajahan from Galgotias University on 16th April 2022. This Expert Talk was an attempt to share ideas about the development of Operating System and its various applications. This session was attended by 100+ Students through Google Meet.

AAYAM CULTURAL CLUB ACTIVITIES

Open Mic Challenge Organized on 26 April 2022



Aayam - The Cultural Club of ABESIT Ghaziabad, on 26 April 2022, organized an **Open Mic Challenge** where Students from various departments showcased their talents to the audience by **Singing Songs, Reciting Poetries, Stand-Up Comedy, Shayaris**, etc.

Winners

Sr. no.	NAME	BRANCH		Activity Performed
1	NEHA SHARMA	CSE		Poetry
2	PRATYUSH SRIVASTAVA	CSE	1st	Poetry
3	YASH PAL	CSE	2nd	Stand-up Comedy
4	Kabir Shukla	CS(DS)		Group Singing
5	Ayush Srivastava	CSE		Group Singing
6	Stuti	CSE	3rd	Group Singing



RUBRIX CLUB ACTIVITIES

Shifting Ideas From Mind to Reality



On 19 February 2022, Rubix Club - The Technical Club of ABESIT Ghaziabad hosted a webinar on "Shifting Ideas From Mind to Reality" led by our alumnus Mr. Tarun Agarwal, SDE-1 GoComet. More than 100 students of the 2nd and 3rd year benefitted and participated. This webinar help students in their participation in the SMART INDIA HACKATHON.

Techbuzz 2.0 - Quiz Competition



On 6 May 2022, Rubix Club - The Technical Club of ABESIT Ghaziabad hosted an online technical quiz competition titled "Techbuzz 2.0." More than one hundred students of 2nd and 3rd Year students participated in the competition, and the top three finalists were granted Amazon Gift Certificates worth \$500, \$250, and \$150, respectively.





The poster features logos for NBA (National Board of Accreditation), ANTE (Association of North Eastern Technological Institutions), ABESIT Group of Institutions, and the 75th Azadi Ka Amrit Mahotsav. The main title is 'Faculty Development Program-2022' in yellow on a dark blue background. Below it, the topic 'MACHINE LEARNING USING PYTHON' is written in red, followed by the dates 'March 28th - April 1st 2022'. The organizer is the Department of Computer Science & Engineering at ABESIT, Ghaziabad, UP, India, in collaboration with NITTTR Chandigarh. The participants are faculty members from CSE, IT, CSE(DS), CSE(AI), CSE(IOT), EC, and ME. The program coordinator is Dr. Veena Bharti, Assistant Professor in CSE. The mode is online via Google Meet. At the bottom, there is a photograph of the ABESIT campus buildings.

Faculty Development Program-2022

on

MACHINE LEARNING USING PYTHON

— March 28th - April 1st 2022 —

Organized by

Department of Computer Science & Engineering

ABESIT, GHAZIABAD, UP, India

in collaboration with **NITTTR CHANDIGARH**

PARTICIPANT

Faculty of **CSE, IT, CSE(DS), CSE(AI), CSE(IOT), EC, ME**

Program Coordinator:
Dr. Veena Bharti (Assistant Professor, CSE)

Mode :- Online
Google Meet

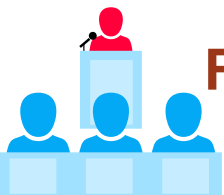
Five-day Faculty Development Program (FDP) on "Machine Learning using Python" was organised by the Department of Computer Science and Engineering in collaboration with NITTTR Chandigarh from March 28th to April 1st, 2022. The FDP programme received an overwhelming response from participants. This FDP was attended by more than forty faculty members, who gained useful information.

FACULTY DEVELOPMENT PROGRAM



FACULTY DEVELOPMENT PROGRAM: ATTENDED

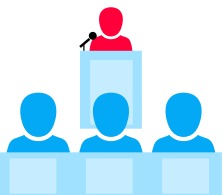
Name of Faculty	Name of FDP	Starting Date of program	Ending Date of program	Duration (Days)
Dr. Rizwan Khan	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Ms. Archana Sharma	Data Analytics, Big Data, Machine Learning, and Applications	21.02.2022	26.02.2022	6 Days
Ms. Archana Sharma	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Sanjeev Kumar	Data Science Tools (DST - 2022)	01.02.2022	06.02.2022	6 Days
Mr. Sanjeev Kumar	NEP- Reinventing Equality and Quality in Higher Education	14.04.2022	16.04.2022	3 Days
Mr. Sanjeev Kumar	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Krishna Bihari Dubey	NEP- Reinventing Equality and Quality in Higher Education	14.04.2022	16.04.2022	3 Days
Mr. Krishna Bihari Dubey	Data Science Tools (DST - 2022)	01.02.2022	06.02.2022	6 Days
Mr. Krishna Bihari Dubey	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Ms. Priyanka Gupta	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Govind Kumar Rahul	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Ms. Gunjan Saxena	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days



FACULTY DEVELOPMENT PROGRAM: ATTENDED

CONTD...

Name of Faculty	Name of FDP	Starting Date of program	Ending Date of program	Duration (Days)
Ms. Kajol Mittal	Data Analytics, Big Data, Machine Learning, and Applications	21.02.2022	26.02.2022	6 Days
Ms. Kajol Mittal	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Amit Kumar Singh Sanger	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Amit Kumar Singh Sanger	NEP- Reinventing Equality and Quality in Higher Education	14.04.2022	16.04.2022	3 Days
Mr. Avdhesh Kumar Tiwari	NEP- Reinventing Equality and Quality in Higher Education	14.04.2022	16.04.2022	3 Days
Mr. Avdhesh Kumar Tiwari	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Ms. KM Anjali Kumari	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Ashish Kumar	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Sachin Jain	NEP- Reinventing Equality and Quality in Higher Education	14.04.2022	16.04.2022	3 Days
Mr. Sachin Jain	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Ganesh Yadav	NEP- Reinventing Equality and Quality in Higher Education	14.04.2022	16.04.2022	3 Days
Mr. Ganesh Yadav	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Ms. Komal Rani	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days



FACULTY DEVELOPMENT PROGRAM: ATTENDED

CONTD...

Name of Faculty	Name of FDP	Starting Date of program	Ending Date of program	Duration (Days)
Ms. Sheradha Jauhari	Recent Trends in Network Security	08.03.2022	12.03.2022	5 Days
Ms. Sheradha Jauhari	ROLE OF SMART CITIES IN SOCIETY 5.0	17.01.2022	21.01.2022	5 Days
Ms. Sheradha Jauhari	NEP- Reinventing Equality and Quality in Higher Education	14.04.2022	16.04.2022	3 Days
Ms. Sheradha Jauhari	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Prashant Upadhyay	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Badal Bhudhan	Data Science Tools (DST - 2022)	01.02.2022	06.02.2022	6 Days
Mr. Badal Bhudhan	Data Analytics, Big Data, Machine Learning, and Applications	21.02.2022	26.02.2022	6 Days
Mr. Badal Bhudhan	NEP- Reinventing Equality and Quality in Higher Education	14.04.2022	16.04.2022	3 Days
Mr. Badal Bhudhan	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Dr. Veena Bharti	NEP- Reinventing Equality and Quality in Higher Education	14.04.2022	16.04.2022	3 Days
Dr. Veena Bharti	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Ms. Divya Tyagi	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Mr. Manish Chhabra	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Dr. Shipra Saraswat	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days
Dr. Suraj Malik	Machine Learning using Python through ICT	28.03.2022	01.04.2022	5 Days

RESEARCH PUBLICATION DETAILS

- **Khan, R.**, 2022. Artificial Intelligence and Machine Learning in Food Industries: A Study. *J Food Chem Nanotechnol*, 7(3), pp.60-67.
- **Khan, R., Srivastava, A.K., Gupta, M., Kumari, P. and Kumar, S.**, 2022. Medicolite-Machine Learning-Based Patient Care Model. *Computational Intelligence and Neuroscience*, 2022.
- **Sharma, A.K. and Yogi, K.K.**, 2022. OLFACTRO BRAINIAC: Aid-Kit for Person with Smell Sense Disability. In *Cognitive Informatics and Soft Computing* (pp. 737-757). Springer, Singapore.
- **Kumar, S., Upadhyay, S., Singh, S. and Sharma, S.**, 2021. Price forecasting system for crops at the sowing time. *International Journal of Agriculture Innovation, Technology and Globalisation*, 2(3), pp.204-221.
- **N. Kumar Trivedi, S. Maheswari, H. Sharma, S. Jain and S. Agarwal**, "Early Detection & Prediction of Heart Disease using Various Machine Learning Approaches," *2022 9th International Conference on Computing for Sustainable Global Development (INDIACom)*, 2022, pp. 793-797, doi: 10.23919/INDIACom54597.2022.9763188.
- **Bhardwaj, S., Jain, S., Trivedi, N.K., Kumar, A., Tiwari, R.G.** (2022). Intelligent Heart Disease Prediction System Using Data Mining Modeling Techniques. In: **Kumar, R., Ahn, C.W., Sharma, T.K., Verma, O.P., Agarwal, A.** (eds) *Soft Computing: Theories and Applications. Lecture Notes in Networks and Systems*, vol 425. Springer, Singapore. https://doi.org/10.1007/978-981-19-0707-4_79

BOOK CHAPTERS

- **R. Khan, M. Gupta, P. Kumari**, *“Artificial Intelligence in Medical Science”*, Transforming Management with AI, Big-Data and IOT, A springer Book, April 2022.
- **R. Khan, S. Shukla, R. Gupta, S. Garg, S. Harit**, *“Real-time Parking Space Detection and Management System”* Transforming Management with AI, Big-Data and IOT, A springer Book, April 2022..
- **R. Khan, N. Dhingra, N. Bhati**, *“Use of Artificial Intelligence (AI) in Agriculture: A Comparative Study”*, Transforming Management with AI, Big-Data and IOT, An Springer Book, April 2022.
- **R. Khan, M. A. Khan, M. A. Ansari, N. Dingra, N. Bhati**, *“Machine Learning Based Application”*, Application of Machine Learning in Smart Agriculture, An Elsevier Book, May 2022.
- **A. K. Sharma, R. Khan, A. Mittal, A. Tiwari, A. Kapoor**, *“Agriculture Economics”*, Application of Machine Learning in Smart Agriculture, An Elsevier Book, May 2022.
- **R. M. Pujahari, S. P. Yadav, R. Khan**, *“Intelligence Farming System through Weather Forecast Support and Crop Production”*, Application of Machine Learning in Smart Agriculture, An Elsevier Book, May 2022.
- **R. Anand, R. Mishra, R. Khan**, *“Diseases Detection”*, Application of Machine Learning in Smart Agriculture, An Elsevier Book, May 2022.
- **Sharma, A., Mittal, K., Kumar, S., Sharma, U., Upadhyay, P.** (2022). Impact of Artificial Intelligence and Machine Learning in the Food Industry: A Survey. In *Artificial Intelligence Applications in Agriculture and Food Quality Improvement* (pp. 190-215), IGI Global.

PATENTS



Mr. Amit Kumar Singh Sanger and Mr. Avinash Kumar Sharma have got their “Patent Published” with the title “CLOUD BASED RESOURCE MANAGEMENT SYSTEM FOR DISTRIBUTED ENVIRONMENT”. The patent got published on 18th Mar 2022 and the patent number is 202211013100.

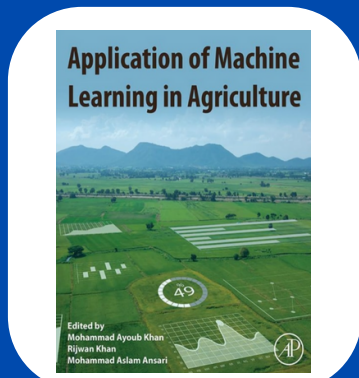
OTHER ACHIEVEMENTS



Dr. Rizwan Khan, HoD, Department of Computer Science and Engineering, was felicitated with a Certificate of Appreciation as he chaired a technical session at International Conference on Contemporary Research on Mathematics and Computer Science (ICCRMCS-2022).



Dr. Rizwan Khan, HoD, Department of Computer Science and Engineering, edited a book titled "Artificial Intelligence Applications in Agriculture and Food Quality Improvement", published by IGI Global.



Dr. Rizwan Khan, HoD, Department of Computer Science and Engineering, edited a book titled "Application of Machine Learning in Agriculture", published by Elsevier.



PLACEMENTS

The efforts made by the Corporate Resource Center are visible and students got excellent placements; 164 students got placed in different Companies in 2021-22 Session. Some of our students got double and triple offers. Department of Computer Science & Engineering Congratulates and gives Best Wishes to our Performers.

Congratulations