

ABES INSTITUTE OF TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

NBA Accredited Program- B.Tech (IT) Upto 30th June 2025

E - Newsletter

An official Bi-Annual e-Newsletter for internal circulation

July 2023

Volume (XI)



Estd: 2007

Academic Session

2022-2023(Even Semester)

The IT Department offers Bachelor of Technology programme in Information Technology. The faculty members of department are well qualified and effective.

ADVISORY BOARD

Prof. (Dr.) M.K. Jha
Director, ABESIT

Prof. Sumit Kumar
Head of Department, IT

EDITORIAL BOARD

Faculty Co-ordinator
Ms. Shivani Sharma
(Assistant Professor, IT)

Student Co-ordinators
Aparna Jha (3rd year IT)
Khushi Sharma (3rd year IT)
Sneha Gupta (2nd year CS-DS)

VISION

- To become a front runner in transforming the individuals into competent IT professionals, to meet the needs of evolving technology and serve the humanity.

MISSION

- To impart quality education with innovative teaching learning process to develop culture of research and innovation.
- Collaborate and interact with industry professionals, academicians to provide suitable forums to exhibit the creative talent of students.
- Provide leadership and planning for effective and strategic use of information technology.



Index	Page No.
Vision and Mission	1
Department Activities	3-5
IT Technical Club Activities	6
Zen Club Activities	7
Bit Brain Club Activities	8
Faculty Achievements	9-13
Faculty Development Program	14-15
Placement	16-18
Article	19

Department Activities

Workshop on Information Visualisation and Exploration for Data Analysis

An Expert-Talk on "Information Visualisation and Exploration for Data Analysis" was held for third-year students on May 1st, 2023 by the Department of Computer Science and Engineering (Data Science) and Information Technology. *Ms. Manu* oversaw the expert talk under the direction of the Head of Department, *Prof. Sumit Kumar*.

Dr. Tanu Solanki, a renowned expert from Capgemini, provided insightful explanations of the fundamental principles of Data Analysis and Visualization. She shared her knowledge and experience with us and gave us useful information and actionable advice that we can use to enhance our own skills in the same domain. The session was interactive, and the students learned about the basic tool's usage and purpose.



Department Activities

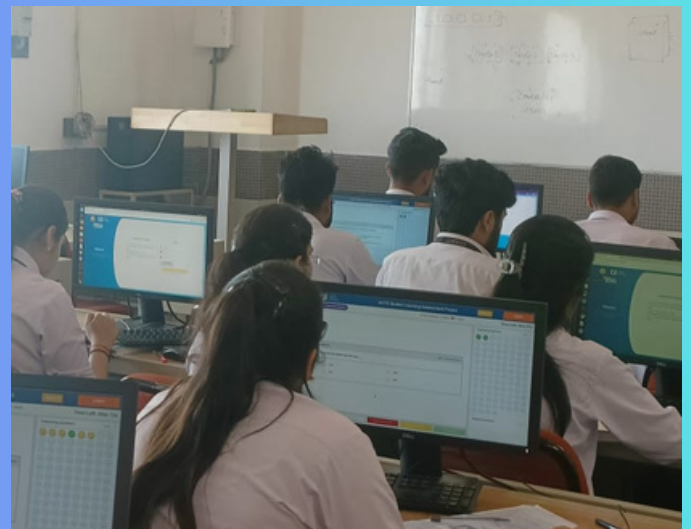
Workshop on PARAKH AICTE

We're excited to announce that the IT department organized an incredible event at the PARAKH AICTE platform for 3rd year students, under the expert guidance of nodal officer "*Dr. Kaushal Kishor*" and student coordinators: Sajal Garg and Alok Pandey.

The event included an assessment test that saw participation from around 48 students, all eager to test their skills and knowledge.

Students successfully completed the assessment and received a certificate of appreciation from AICTE, recognizing their dedication and hard work.

We congratulate all the winners and participants.



Workshop on Feature Engineering and Visualization Techniques

The Department of Information Technology organized an Expert Talk on "Feature Engineering and Visualization Techniques" on 10/05/2023. Students from 3rd year IT and CSE-DS attended the expert talk. The speaker for the session was *Mr. Anshu Tiwari*, Senior Project Manager at Blue Yonder.

The Expert talk discussed the workflow for data science which included both feature engineering and visualisation. The resource person gave hands-on experience on how feature engineering helps to improve the efficiency and interpretability of machine learning models.

The importance of feature engineering and visualisation techniques in data science was also discussed.

The session was interactive and the speaker's actionable advice will help the students to enhance their own skills and expertise.



Event-Code Byte

The IT Technical Club successfully organised the mega event "Code Byte" for all the branches of 2nd, 3rd and 4th year on 16th May 2023. The spectacular event was conducted in a way that the students were able to self judge their potential and showcase their technical skills and get their hands on a good brainstorming session.



The Event was concluded with the 3 winners who were applauded and gifted with cash prizes by the faculty coordinator Dr. Bipin Kumar Rai, Dean Academics

The winners are: -

- 1. Gaurav Singh- CSE 3rd Year*
- 2. Aman Gupta- CSE 3rd Year*
- 3. Sneha Gupta- CSE DS 2nd Year*

Congratulations all the winners!



ZEN CLUB ACTIVITIES

Event-Reliving the Decades

Zen Club of ABESIT organised the event Reliving the Decades on 26 th April, 2023 that was a resounding success. Having all the participants was a delight for the team. 18 Students from different years and departments participated, to show case their talent for the given theme.



Full of excitement, thoughts, incredible performances, polishing skills and learning new things, the overall event was intriguing and well planned.

Winners of Dancing category:-

- 1- Kajal and Sameeksha Srivastava
Bpharma (Duet)
- 2 - Sameeksha Srivastava
Bpharma (Solo)

Winners of Singing Category:-

- 1- Anurag Rana- CSE
- 2- Abhijeet Kumar - CSE

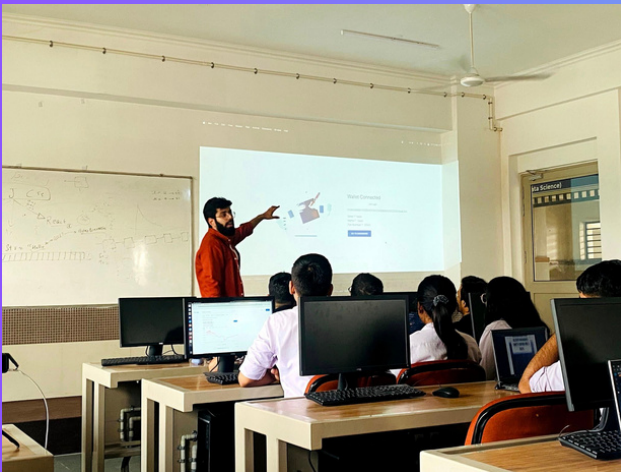
Congratulations to all the winners!



Event-Blockchain Technology

We're are excited to announce that the Department of Information Technology hosted a workshop on blockchain technology for building a complete decentralized application (dApp). The workshop was conducted by *Kumar Satyarth*, a skilled smart contract developer at Timeswap Labs, and *Heemank Verma*, a talented full-stack developer also from Timeswap Labs.

The event was held exclusively for 3rd-year students of the Department of Information Technology, and nearly 50 students attend the workshop . The atmosphere was buzzing with excitement as the speaker took the students through a comprehensive journey on how to build a complete dApp using blockchain technology.



The workshop was designed to provide hands-on experience in creating and deploying smart contracts, building the front-end of the application, and connecting it to the blockchain. They shared their valuable insights and experiences in the field, providing tips and tricks on how to develop a robust and reliable dApp.



FACULTY ACHIEVEMENTS

FACULTY RESEARCH PAPER PUBLICATION

SESSION (2022-2023)

Faculty Name	S, No.	Publication Details	Date
Dr. Bipin Kumar Rai	1	Blockchain-Based Traceability of Counterfeited Drugs, International Journal of Reliable and Quality E-Healthcare (IJRQEH), http://doi.org/10.4018/DOI:10.4018/IJRQEH.318129 , 2160-9552, Scopus	10th February 2023
	2	DDPIS: Diabetes Disease Prediction by Improvising SVM, International Journal of Reliable and Quality E-Healthcare (IJRQEH), http://doi.org/10.4018/IJRQEH.318090 , 2160-9551, Scopus	16th February 2023

FACULTY ACHIEVEMENTS

FACULTY RESEARCH PAPER PUBLICATION

SESSION (2022-2023)

Faculty Name	S, No.	Publication Details	Date
Dr. Kaushal Kishor	1	<p>Impact of Cloud Computing on Entrepreneurship, Cost, and Security, Cloud-based Intelligent Informative Engineering for Society 5.0" pp. 171-191. Chapman and Hall/CRC., 2023, eBook ISBN: 9781003213895 Edition-First, Pub. Location- New York, https://doi.org/10.1201/9781003213895-10, 9781003213895, Scopus</p>	Feb, 2023
	2	<p>Cloud Computing in Blockchain, Cloud-based Intelligent Informative Engineering for Society 5.0" pp. 79-105. Chapman and Hall/CRC., 2023, eBook ISBN: 9781003213895 Edition-First, Pub. Location- New York, https://doi.org/10.1201/9781003213895-5, 9781003213895, Scopus</p>	Feb 2023

FACULTY ACHIEVEMENTS

FACULTY RESEARCH PAPER PUBLICATION

SESSION (2022-2023)

Faculty Name	S, No.	Publication Details	Date
Dr. Kaushal Kishor	3	<p>Wireless Networks Based in the Cloud That Support 5G, Cloud-based Intelligent Informative Engineering for Society 5.0" pp. 23-40. Chapman and Hall/CRC., 2023, eBook ISBN: 9781003213895 Edition-First, Pub. Location- New York, https://doi.org/10.1201/9781003213895-2, 9781003213895, Scopus</p>	Feb, 2023
	4	<p>Cloud-based Intelligent Informative Engineering for Society 5.0, Chapman and Hall/CRC Edition-First, Pub. Location- New York, https://doi.org/10.1201/9781003213895, 9781003213895, CRC PRESS</p>	01/02/2023

FACULTY ACHIEVEMENTS

FACULTY RESEARCH PAPER PUBLICATION

SESSION (2022-2023)

Faculty Name	S, No.	Publication Details	Date
Dr. Kaushal Kishor	5	<p>Develop Model for Recognition of Handwritten Equation Using Machine Learning, Kishor, K., Tyagi, R., Bhati, R., Rai, B.K. (2023).</p> <p>Develop Model for Recognition of Handwritten Equation Using Machine Learning. In: Mahapatra, R.P., Peddoju, S.K., Roy, S., Parwekar, P. (eds) Proceedings of International Conference on Recent Trends in Computing. Lecture Notes in Networks and Systems, vol 600. Springer, Singapore, https://doi.org/10.1007/978-981-19-8825-7_23, 978-981-19-8825-7, Scopus</p>	01/03/2023

FACULTY ACHIEVEMENTS

FACULTY RESEARCH PAPER PUBLICATION

SESSION (2022-2023)

Faculty Name	S, No.	Publication Details	Date
Mr. Sumit Kumar	1	Finite State Testing of Graphical User Interface using Genetic Algorithm, International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), ISSN: 2321-8169, Scopus	07/02/2023
Ms. Shivani Sharma	1	DDPIS: Diabetes Disease Prediction by Improvising SVM, International Journal of Reliable and Quality E-Healthcare (IJRQEH), http://doi.org/10.4018/IJRQEH.318090 , 2160-9551, Scopus	16th February 2023

FDP Attended by Faculty Members

FACULTY DEVELOPMENT PROGRAM

SESSION (2022-2023)

Mr. Sumit Kumar	1	5 Days	Creativity, Innovation & Design Thinking	29th May - 2nd June 2023	MIT, Moradabad (Online)
	2	3 Days	National Education Policy	14th - 16th April 2022	ABESIT, Ghaziabad, U.P (Online)

Mr. Nageendra Nath Dubey	1	5 Days	STC on Open Source Technology	24-28 April 2023	NITTTR, Chandigarh (Online)
	2	5 Days	FDP on "Emergence of Reversible and Quantum Logic Circuits"	22th- 26 Nov 2021	ABES Institute of Technology, Ghaziabad (Online)

15 FDP Attended by Faculty Members

FACULTY DEVELOPMENT PROGRAM

SESSION (2022-2023)

Ms. Manu	1	1 week	Open Source technologies	24th-28th April, 2023	NITTTR Chandigarh (Online)
	2	1 week	Cyber Crime & Forensic tools	08-12th May, 2023	NITTTR Chandigarh (Online)
Mr. Rishabh Kamal	1	1 Week	Open Source Technologies	24th april-28th april	NITTTR, Chandigarh (Online)
Mr. Satyendra Vyas	1	5 Days	STC on Open Source Technology	24-28 April 2023	

PLACEMENT

Congratulations and Wishing All The Success

S . No.	Name of Student	Company Name
1	Aastha Mittal	Justwines
2	Aditi Garg	QSpider
3	Aditya Sharma	Knocial
4	Anjali Yadav	ERA Smith
5	Ashutosh Kumar	UPGrad / Knocial
6	Badal Yadav	QSpider
7	Dipanshu Narayan	Bharuwa Solutions / TCS
8	Dev Malhotra	Iopex Technologies / Knocial
9	Dhananjay Singh	Iopex Technologies / Just Wines / Cavisson System

PLACEMENT

Congratulations and Wishing All The Success

S. No.	Name of Student	Company Name
10	Girisha Narula	OneXtel/ TCS / Coforge
11	Kartik Tyagi	Knocial
12	Kaustubh Ranjan	Knocial
13	Keshav Sharma	The silicon partners
14	Khushi Dubey	Bharuwa Solutions / Pie.infocomm / Tech Mahindra / TCS
15	Kundan Kumar Sharma	QSpider
16	Vaishnavi Tyagi	TCS
17	Mohit Kumar	Cavisson System
18	Viraaj Akulwar	Iopex Technologie

Congratulations and Wishing All The Success

S. No.	Name of Student	Company Name
19	Nikhil Kardam	Knocial
20	Nitin Sharma	Knocial
21	Pranav Vashistha	MAQ Software
22	Rishab Garg	Agicent Technologies
23	Sanskar Gupta	NETProphets / Cavisson System / Knocial
24	Shreyansh Srivastava	Cavisson System
25	Shriti Gupta	Tech Mahindra / Knocial
26	Srishti Vishwari	Traviyo/ Learning Shala
27	Taniya Goel	Palle Technologies /Axis Bank

Advancement in AI

The world is rapidly changing as technology advances, and the development of artificial intelligence (AI) has been a major part of this transformation. AI has become increasingly important in our daily lives, from the way we search online to the way we interact with our devices. AI is transforming many industries and is being used to solve a wide range of practical problems. As the technology continues to evolve, AI will become even more important in our lives.

AI is a branch of computer science that focuses on designing systems that can think, act and learn on their own. AI-powered systems are capable of making decisions, recognizing patterns and learning from experience. This makes them extremely useful for tasks that are too complex for humans to complete on their own. AI is being used in many different industries and applications, from healthcare to transportation.

The healthcare industry has seen huge advancements in AI technology. AI-powered systems are being used to analyze medical images, diagnose diseases, and even recommend treatments. AI is also being used to monitor patients and detect potential health issues before they become serious. AI is helping to reduce costs, improve accuracy and improve patient outcomes.

AI is also being used in transportation to help reduce traffic congestion and make transportation services more efficient.

RAUNIT JOSHI

2nd year