

Department of Computer Science and Engineering
(NBA Accredited Program till 2021-2022)



Advisory Board

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Wilson Daniel, Vanshika Agarwal
2nd year, CSE

Spotlight

- Launch Of Stratis Blockchain R&D Center
- Students' Achievements
- Expert talks/ Workshop
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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.

Establishment of A Stratis Blockchain R&D Center

On 10th December 2021, the ABESIT CSE Department unveiled the "Stratis Blockchain R&D Center". ABESIT has signed a Memorandum of Understanding with Stratis Blockchain Group Ltd, UK, in partnership with C# Corner, to share expertise and foster innovative development in Blockchain Technology. Mr. Mahesh Chand, the founder of C# Corner and CEO of Mindcracker Inc., Ms. Satya Karki, C# developer Stratis platform, joined online. Mr. Lalit Bansal, Founder of EIY SYSTEMS and Director of Revinfotech, Mr. Vivek Sharma, Founder of Kingstrer636, Mr. Atul Gupta, VP-Events, C# Corner, and Mr. Rohit Gupta, MVP-Program Director, C# Corner were present at the MoU signing ceremony for the StratisBlockchain R&D Center. This event was a huge success, and this new step will certainly impart significant knowledge to the students, enabling them to flourish in this emerging technology.





Students' Achievements

Aditi Tiwari, a student of CSE, attended the SheTech Student Virtual Conference and won the Stratis Contest. Best wishes and heartfelt congratulations to Aditi Tiwari on her well-deserved accomplishment.



Hemanshi Chaudhary, an ABESIT student, participated in the Dr. Abdul Kalam Sports Fest (Zonal Level) 2021-22, on 22-23 November 2021 and won first place in the "Long Jump" category. We extend our heartfelt congratulations on her achievement.



Kanish Tyagi, an ABESIT student, participated in the Dr. Abdul Kalam Sports Fest (Zonal Level) 2021-22, on 22-23rd November 2021 and won first place in the "Discuss Throw Event" and "Shot Put Event." We extend our heartfelt congratulations on his achievement and wish him good luck for his future endeavors.



ABESIT student "Kanish Tyagi" competed in the Dr. Abdul Kalam Sports Fest (State Level) on December 03-04, 2021. He was given a "GOLD MEDAL" for his accomplishment in the "Discuss Throw Event" and a "SILVER MEDAL" in the "Shot Put Event."



ABESIT student "Kanish Tyagi" competed in the Dr. Abdul Kalam Sports Fest (State Level) on December 03-04, 2021. He was given a "GOLD MEDAL" for his accomplishment in the "Discuss Throw Event" and a "SILVER MEDAL" in the "Shot Put Event."



Scaling the New Heights



- Our alumnus Napendra Solanki has been admitted into the Indian Institute of Technology, Ropar, to pursue a Ph.D. Great congratulations on his well-deserved accomplishment! We wish that his unwavering dedication will propel him to great heights.



- We are delighted to announce that one of our graduates, Himani Seharawat, has been offered a fantastic chance to pursue an MS in "Computer Science" at California State University, in California, USA. Congratulations on her well-deserving accomplishment and best wishes for a safe and enjoyable journey for many more years.

ABESIT
COLLEGE OF ENGINEERING

**Congratulations
&
Best Wishes**

HIMANI SEHARAWAT

Alumni, Pursuing **MS in Computer
Science** at California State
University, Long Beach, California

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Poetry Competition

Aayaam - The Cultural Club organized a Poetry competition on 07 October 2021 which was participated by more than 50+ students.

The event began with a motivational and inspiring speech by Prof. Dr. Rizwan Khan, HoD, Department of computer Science and Engineering.

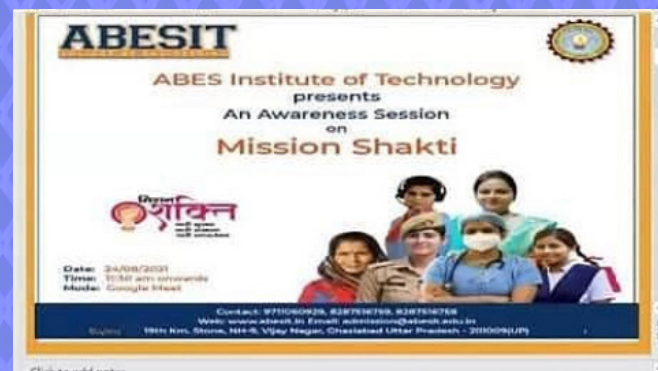
The winners were felicitated with certificates and the event was a great success.



Expert Talks / Workshops

A Session To Raise Awareness About "Mission Shakti"

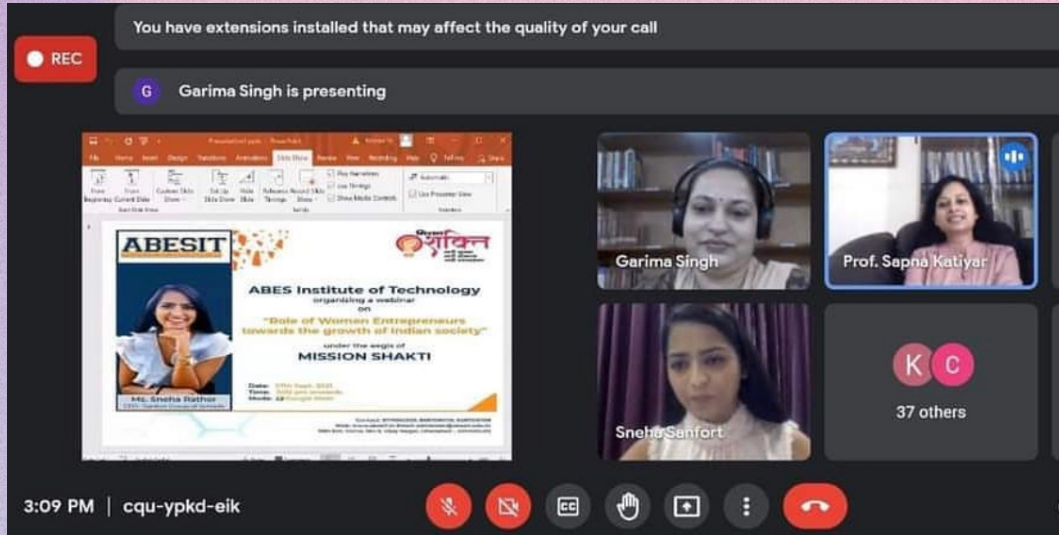
On 24th August 2021, a webinar titled "MISSION SHAKTI" was held to raise awareness among young girls and women. The session was very informative and stirring, emphasizing the significant importance of women's safety in society. It was centered on women and girls' safety, dignity, and empowerment. Additionally, it addressed children's rights, sexual abuse of women and girls, and the adoption of orphaned girls.



Webinar on "The Contribution of Women Entrepreneurs to the Development of Indian Society"

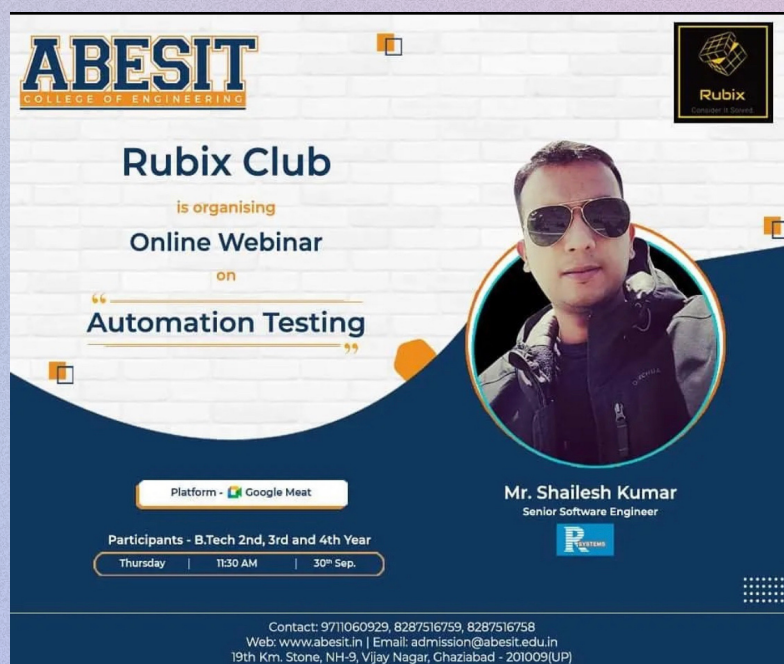
Under the aegis of Mission Shakti, ABESIT, Chaziabad hosted a webinar on the "Role of Women Entrepreneurs in the Growth of Indian Society." It began at around 3:00 PM on September 27th. Ms. Sneha Rathor, CEO of Sanford Group of Schools, was the keynote speaker for this enlightening event.

The session was an awe-inspiring and enlightening experience. It stressed the true strength of women entrepreneurs in developing India's progress and removing all negative stereotypes about women.



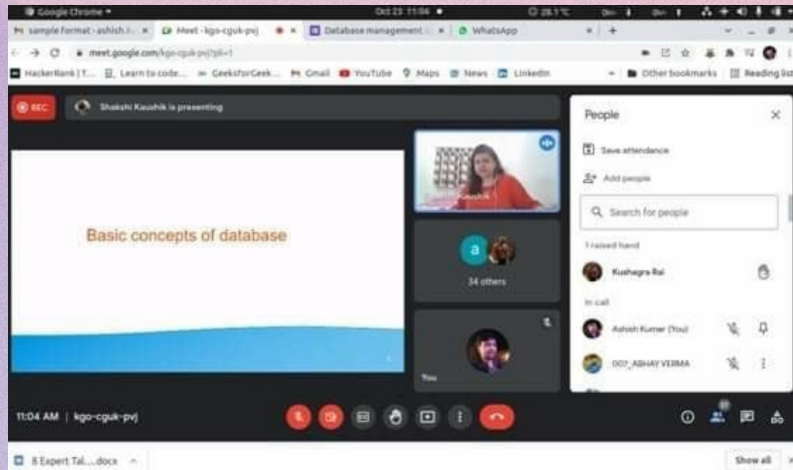
Automated Testing Webinar

The ABESIT Rubix Club has hosted an online webinar on "Automation Testing" on September 30th at 11:30 AM. It was attended by all students in the second, third, and fourth years. Mr. Shailesh Kumar, a senior software engineer at R Systems, was the speaker for this session.



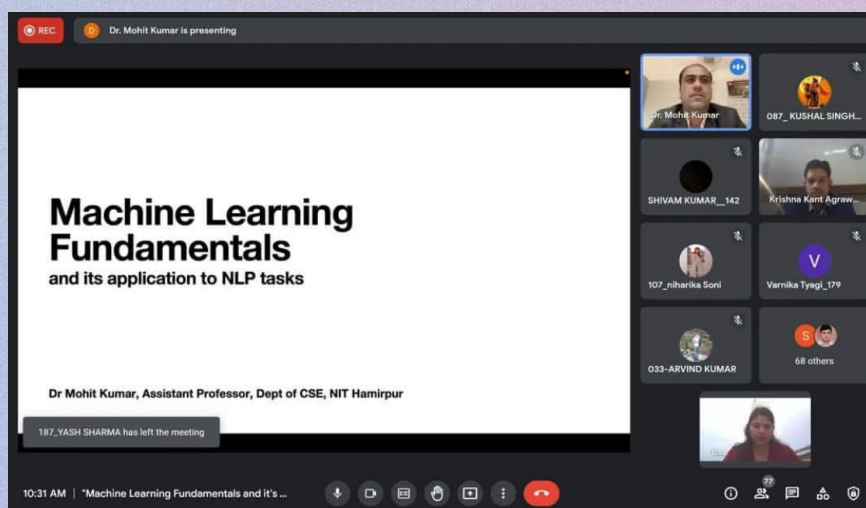
Webinar on “Basic Database Concepts with NoSQL”

The ABESIT Rubix Club has hosted an online webinar on "Automation Testing" on September 30th at 11:30 AM. It was attended by all students in the second, third, and fourth years. Mr. Shailesh Kumar, a senior software engineer at R Systems, was the speaker for this session.



Webinar on “Machine learning fundamentals and its applications to NLP tasks”

On November 27, 2021, the ABESIT CSE Department hosted an expert session on "Machine learning basics and applications to natural language processing challenges." The event was open to all second and third-year B. Tech, CSE students. The event's speaker was Dr. Mohit Kumar, Assistant Professor, NIT Hamirpur. This expert session aimed to provide an overview of Machine Learning and its different applications, most notably Natural Language Processing, from academic and research perspectives.



Quiz & Panel Discussion for World Entrepreneur Day

IIC ABES Institute Of Technology commemorated World Entrepreneur's Day with an amazing quiz and panel discussion on 25th August 2021 from 11:00 AM to 11:30 AM and 26th August from 12:00 PM to 1:00 PM, respectively.

The debate focused on "Factors Contributing to the Success or Failure of a Startup." The primary goal of this quiz was to raise awareness about startups. The top twenty students were chosen based on their performance in the quiz. They qualified to participate in the round of panel discussions.

The Discussion was won by:

- 1) Kritarth Tripathi CSE (DS)
- 2) Sandeep Shukla IT
- 3) Sumrah Fatima IT
- 4) Divyank Sharma CSE

The winners were awarded and received the certificates.



Essay Competition in conjunction with "Mission Shakti"

ABESIT has commemorated the significance of women and girls by hosting an "Essay Competition" under the auspices of the Uttar Pradesh government's "Mission Shakti Program." The submission deadline was 30th August 2021, and the competition was open for female contestants. The maximum word count was 2000, and the document must be submitted in Pdf format. The competition's winners were as follows:

- 1) Megha Dubey, 1st year CSE
- 2) Khushi Patel, 2nd year CSE
- 3) Jaya Kumari, 3rd year CSE



Samadhan 2.0

The competition consisted of two parts. Phase one required PPT submission by October 5, 2021, while phase two required a final presentation on October 8, 2021. The competition's winning teams were as follows:

1) Hack@ABES

- Nitin Raj
- Prashant Srivastava
- Pulkit Saini

2) Swag

- Kanishak Chaurasia

3) The Alpha Triad

- Harshit Jain
- Tanya Sharma
- Yash Goel



The competition was well-conducted, and students were given a chance to demonstrate their creative abilities via this contest.

TechBuzz 1.0



TechBuzz 1.0 was open to second-year students from all disciplines.

The competition was won by:

- 1) Sachin Gupta CSE
- 2) Keshav Agarwal CSE-AI
- 3) Shashank Patel CSE-AI

The event was successfully conducted, and around 55 students participated from different branches (CSE, CSE-AI, CSE-DS, CSE-IOT, IT).



Singing Competition



On 25th November 2021, ABESIT CSE Department's cultural group AAYAM hosted a Singing Competition. Numerous students participated, and the winners were:

- Anushka Bhagel (CSE), 2nd year
- Shivendra Pratap (CSE), 3rd year
- Raghav Attri (CSE), 3rd year
- Aryan Solanki (CSE), 3rd year

The event was very lively and a great success.





Publications

Journals:

- V. Sahani, S. Srivastava, R. Khan, "Modelling Techniques to Improve the Quality of Food using Artificial Intelligence" Artificial Intelligence in Food Quality Improvement, Hindawi Journal, Volume 2021, Article ID 2140010, 10 pages, SCIE Indexed. <https://doi.org/10.1155/2021/2140010>
- R. Khan, M. Shabaz, S. Hussain, F. Ahmed, P. Mishra, "Early Flood Detection and Rescue Using Bioinformatic devices, Internet of Things (IoT) and Android App", Word Journal of Engineering Journal of Emerald Publishing, Volume 2021, Scopus Indexed. <https://doi.org/10.1108/WJE-05-2021-0269> .
- R. Khan, S. Kumar, A. K. Srivastava, N. Dhingra, M. Gupta, N. Bhati, P. Kumari "Machine Learning and IoT Based Waste Management Model" Special Issue Compression of Deep Learning Models for Resource-Constrained Devices of Hindawi Journal Computational Intelligence and Neuroscience, Volume 2021, Article ID 5942574, SCIE Indexed. <https://doi.org/10.1155/2021/5942574>
- M. A. Khan, R. Khan, I. Kumar, A. Chaudhary, A. Srivastava "Performance Evaluation of Regression Models for COVID-19: A Statistical and Predictive Approach" Ain Shams Engineering Journal, Elsevier Journal, SCI Indexed. 2021-09 | journal-article DOI: 10.1016/j.asej.2021.08.016 .
- S. Katiyar, R. Khan, S. Kumar, "Artificial Bee Colony Algorithm for Fresh Food Distribution without Quality Loss by Delivery Route Optimization" Artificial Intelligence in Food Quality Improvement, Hindawi Journal, SCIE Indexed. Volume 2021, Article ID 4881289, 9 pages. <https://doi.org/10.1155/2021/4881289>.
- Wazir S, Gour S, Nafis MT, Khan R, "Modeling infectious diseases: Understanding social connectivity to control infectious diseases", Informatics in Medicine Unlocked (2021), Scopus Indexed, <https://doi.org/10.1016/j.imu.2021.100761> .
- G.S. Kashyap, K. Malik, S. Wazir, R. Khan, S. Kumar "Using machine learning to quantify the multimedia risk due to Fuzzing", Multimedia Tools and Applications (2021), SCI Indexed. <https://doi.org/10.1007/s11042-021-11558-9>
- R. Khan, " Deep Learning System and It's Automatic Testing: An Approach ", Annals of Data Science, Springer Journal, Scopus Indexed (2021) 1-15. DOI: 10.1007/s40745-021-00361-w
- A. Goyal, H. S. Kanyal, S. Kaushik, R. Khan "IoT Based Cloud Network for Smart Health Care using Optimization Algorithm", Medicine Unlocked, Elsevier Journal Scopus Indexed. <https://doi.org/10.1016/j.imu.2021.100792>
- R. Khan, S. Kumar, N. Dhingra, N. Bhati, "The Use of Different Image Recognition Techniques in Food Safety: A Study", Journal of Food Quality. SCIE Indexed. Volume 2021 |Article ID 7223164 | <https://doi.org/10.1155/2021/7223164c>

Conferences

- Sharma, Avinash Kumar, Rahul Pandey, Sourav Tarafdar, and Shyamlat Dubey. "Towards Smart Mobility in Cities-Bus Tracking and Booking System." In 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO), pp. 1-5. IEEE, 2021.
- Sandilya, Naman, and Avinash Kumar Sharma. "Quantum Internet: An Approach towards Global Communication." In 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO), pp. 1-5. IEEE, 2021.

Patents

- Our CSE Professor and Head of R&D, Dr. Krishna Kant Agarwal has got his "Patent Granted" by the Republic of South Africa in the "Internet of Things Based Pipe Crawler System". The patent got granted on 25th August and the patent number is 202104182.
- Our CSE Professor and Head of R&D Dr. Krishna Kant Agarwal and Mr. Avinash Kumar Sharma have successfully applied for a Design patent with title "Solar Testing unit for Measuring Soil Characteristics" and Application number is 346967-001.

Other Achievements

- Mr. Avinash Kumar Sharma presented his paper titled OLFACTRO BRAINIAC: Aid-kit for a person with smell sense disability in 4th International Conference on Cognitive Informatics and Soft Computing (ICCISC-2021) held on 21-22 August 2021 at Balasore College of Engineering and Technology, Balasore, Odisha.
- Mr. Avinash Kumar Sharma was awarded certificate for exceptional contribution as a Primary Evaluator in Toycathon, 2021.
- Mr. Avinash Kumar Sharma was awarded a certificate for appreciation for his cooperation & sincere efforts in organizing the first round of SMART HACKS 2021 at ABES INSTITUTE OF TECHNOLOGY, GHAZIABAD.

Faculty Participation in FDP

Name of Faculty	Name of FDP	Starting Date of program	Ending Date of program	Duration (Days)	Host Organisation	Organized By
Sheradha Jauhari	FDP on "Artificial Intelligence in Image Processing"	20/12/2021	24/12/2021	5	Indian Institute of Information Technology, Nagpur.	AICTE Training and Learning (ATAL) Academy
Km Anjali Kumari	FDP on "Amalgamation of Technical Pedagogy and Methodology for Effective Teaching-Learning Outcome"	03/08/2021	07/08/2021	5	Rama University, Kanpur	Rama University, Kanpur
Km Anjali Kumari	FDP on "Inculcating Universal Human Values in Technical Education"	09/08/2021	13/08/2021	5	All India Council for Technical Education(AICTE)	All India Council for Technical Education(AICTE)
Km Anjali Kumari	FDP on "Fog and Edge Computing Challenges and Research Directions"	26/10/2021	30/10/2021	5	National Institute of Technology Sikkim	All India Council for Technical Education(AICTE)
Amit Kumar Singh Sanger	FDP on "Inculcating Universal Human Values in Technical Education"	09/08/2021	13/08/2021	5	All India Council for Technical Education(AICTE)	All India Council for Technical Education(AICTE)

Amit Kumar Singh Sanger	FDP on "Cloud, Fog and Edge Computing"	13/09/2021	17/09/2021	5	NITTTR, Chandigarh	NITTTR, Chandigarh
Amit Kumar Singh Sanger	FDP on "Fog and Edge Computing Challenges and Research Directions"	25/09/2021	29/09/2021	5	National Institute of Technology Sikkim	All India Council for Technical Education(AICTE)
Amit Kumar Singh Sanger	FDP on "Cloud Forensics : Techniques, Challenges and Research Directions"	18/10/2021	22/10/2021	5	National Institute of Technology Sikkim	All India Council for Technical Education(AICTE)
Amit Kumar Singh Sanger	FDP on "Fog and Edge Computing Challenges and Research Directions"	26/10/2021	30/10/2021	5	National Institute of Technology Sikkim	All India Council for Technical Education(AICTE)
Sachin Jain	Online Training On Deep Learning Using Medical Data	29/11/2021	02/12/2021	5	Finland Labs (A Unit of Revert Technology Pvt. Ltd., New Delhi)	Finland Labs (A Unit of Revert Technology Pvt. Ltd., New Delhi)
Ashish Kumar	FDP on "Amalgamation of Technical Pedagogy and Methodology for Effective Teaching-Learning Outcome"	03/07/2021	07/07/2021	5	Rama University, Kanpur	Rama University, Kanpur
Ashish Kumar	FDP on "Inculcating Universal Human Values in Technical Education"	09/08/2021	13/08/2021	5	All India Council for Technical Education(AICTE)	All India Council for Technical Education(AICTE)
Avinash Kumar Sharma	FDP on "Emergence of Reversible and Quantum Logic Circuits"	22/11/2021	26/11/2021	5	ABES Institute of Technology	All India Council for Technical Education(AICTE)

Alumni Interaction

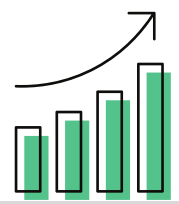
Webinar on “Hands-on Basics of Neural Network and use case of Image similarity through Embeddings from Pre-trained models”

ABESIT has organized an Expert session on 18th September from 10:30 am onwards. The main topic of this Expert talk was “Hands-on Basics of Neural Network and use case of Image similarity through embeddings from pre-trained models”. Our alumni, Tushar Raj Verma was the speaker of the session. He is a Data Scientist at 'TO THE NEW'. All the students of the CSE Department participated in the session. The session was very informative and insightful.

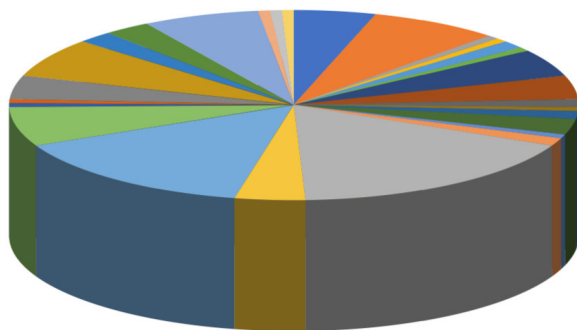
Session on Experience-Opportunities-Rewards “4 years Journey”

An Expert Session was conducted for all the newly admitted students of the First Year on 20th September 2021. The topic of the talk was “Experience-Opportunities-Rewards “4 years Journey”. Our alumni, Ms. Pooja Sharma (Software Engineer in Nucleus Software), shared her B.Tech. Journey, focusing on her Career Profile and guided students for Aptitude tests, Technical tests, Human Values Communication Skills that would be essentials for final Placement. Speaker also emphasizes students having good command in MS Office, MS Excel, MS PowerPoint, and maintaining Time Management. The Session ended with a vote of thanks by the coordinators, Dr. Amit Vats & Dr. S. P. Gupta.

Students' Placement



The Corporate Resource Center is significant throughout the year in order to perpetuate strong placement records and to bridge the gap between corporate and academics. With sufficient instruction and assistance, students develop their talents and understand how to express their strengths effectively. The CRC hosts a variety of training programs aimed at enhancing students' skill sets, including mock interviews, group discussions, and lectures on communication skills. Approximately 50+ companies approached us for placement during the current semester (7th Sem.); 100+ students were placed in various companies.



- Grapecity
- TO THE NEW
- Trident Info Systems Pvt.
- Small & Beryl
- Wipro
- NTT Data
- JUSPAY
- VectoScalar
- TarvClan
- QA InfoTech
- TCS
- Hexaview Technologies
- IndusValley
- NetProphets
- Aeologic
- Appventurz Mobitech
- Traingle Services
- Accolite Digital
- Nucleus Software
- Infinity Labs
- Knoldus
- Wingman Partners
- Innobit Systems
- 2sgamix
- Erasmith
- Mobcoder
- Ushyaku
- Metacubes

CORPORATE RESOURCE CENTRE Placement Cell

