

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



### Advisory Board

Prof. (Dr.) M. K. Jha  
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2nd year, CSE

Shreya Punetha  
4th year, CSE

### Spotlight

- Students' Achievements
- Expert talks / Workshop
- Competitive Programming Contest / Technical Competitions organized/ Project Idea Presentation Competition
- Faculty Achievements
  - Publication
  - Patents
- Faculty Development Program
- Alumni Interaction
- Student's Placement

## 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.



# Students' Achievements

**Yash Kumar**, 2nd Year CSE won the **1st Prize** in "CODEBYTE" coding competition, organised by the Department of Computer Science and Engineering ABESIT, Ghaziabad.



**Yugansh Chauhan**, 2nd Year CSE won the **2nd Prize** in "CODEBYTE" coding competition, organised by the Department of Computer Science and Engineering ABESIT, Ghaziabad.



**Tushar Sharma**, 2nd Year CSE won the **3rd Prize** in "CODEBYTE" coding competition, organised by the Department of Computer Science and Engineering ABESIT, Ghaziabad.



**Shekhar Dwivedi**, 4th Year CSE won the **1st Prize** in "CODEBYTE" coding competition, organised by the Department of Computer Science and Engineering ABESIT, Ghaziabad.



**Hariom Kushwaha**, 3rd Year CSE won the **2nd Prize** in "CODEBYTE" coding competition, organised by the Department of Computer Science and Engineering ABESIT, Ghaziabad.





# Students' Achievements

**Mayank Rawat**, 3rd Year CSE won the **3rd Prize** in "CODEBYTE" coding competition, organised by the Department of Computer Science and Engineering ABESIT, Ghaziabad.



**Nitin Raj**, 2nd Year CSE secured **Achievers position** in "CODEBYTE" coding competition, organised by the Department of Computer Science and Engineering ABESIT, Ghaziabad.



**Rajat Tyagi**, 2nd Year CSE secured **Achievers position** in "CODEBYTE" coding competition, organised by the Department of Computer Science and Engineering ABESIT, Ghaziabad.



**Hariom Kushwaha**, 3rd Year CSE secured **3rd position** in Inter-college IPEC Techathon.



**Richa Mishra**, 2nd Year CSE secured **3rd position** in Inter-college IPEC Techathon.









# GATE Achievers



*Congratulations*

Student Name	Gate Score	
Deependra Singh	369	
Rakesh Kumar	321	
Romit Soni	573	
Shobhit Vishnoi	401	

**ABESIT Congratulates All These Students  
for Qualifying GATE-2021.**

# Unfurling the Wings of Knowledge Internationally



**Kunal Sharma**, Alumni of batch 2016-20, pursuing MS in Business Analytics at Kent State University, Ohio, USA.

Best wishes to Kunal Sharma for growing both personally and professionally with an international experience.



## Expert Talks / Workshops



### Webinar on Raising Awareness on Overseas Education

A Webinar on "Raising Awareness on Overseas Education" was organized on 1st May 2021 by the Department of Computer Science and Engineering.

The Speaker of webinar was **Mr. Arun Bhatia**, Operations Manager for Delhi/NCR & Chandigarh for **Jamboree India**.

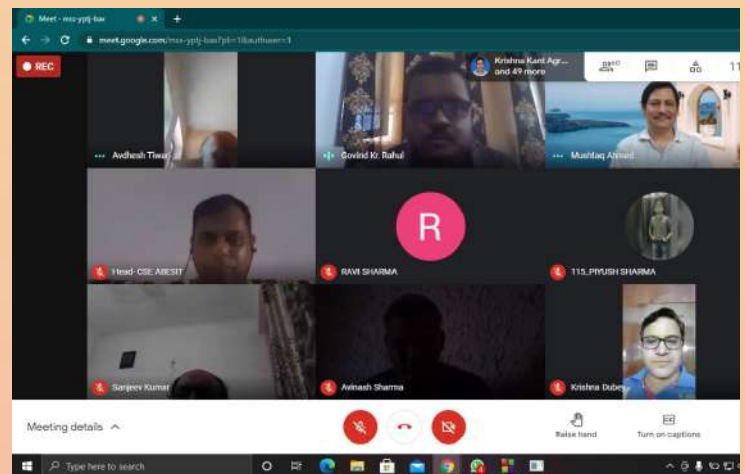
The outcome of the program was to create awareness and encourage students aspiring to continue higher education abroad after their graduation.



## Expert talk on Opportunistic Network for CSE 3rd Year Students

An Expert talk was delivered on "**Opportunistic Network**" by **Dr. Mushtaq Ahmed**, Associate Professor, MNNIT Jaipur on 29th May 2021.

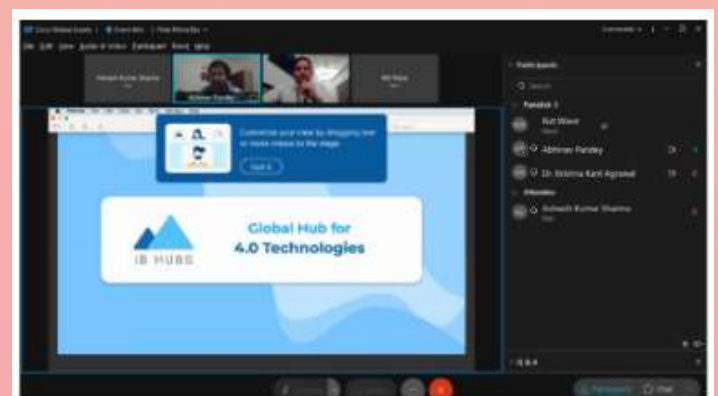
This Expert Talk was an attempt to develop ideas about the opportunistic network and its various applications from the industry as well as research perspective.



## Webinar on Innovation and Entrepreneurship in Industry 4.0 by iB Hubs for ABES Institute of Technology, Ghaziabad

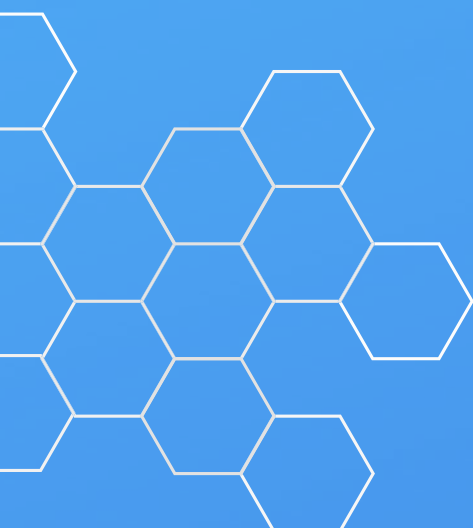
A Webinar on Innovation and Entrepreneurship in Industry 4.0 organized on 23 June 2021 by **iB Hubs**, moderated by **Dr. Krishna Kant Agrawal**, Head-R&D.

Speaker of the webinar was **Mr. Abhinav Pandey**, Vice President- Startups Strategy, iB HUBS. The event was highly interactive and students participated enthusiastically. Approx. 115 participants attended the session.



# Competitive Programming Contest / Technical Competitions organized / Project Idea Presentation Competition

S. No.	Name of Contest	Date	Coordinator	Description
1.	CODEBYTE- Coding Competition in association with C# Corner, Noida Chapter, and CodeChef Platform Partner	27.05.2021	Prof. Avinash Kumar Sharma	 <p>The poster for the CODEBYTE coding competition features the ABESIT logo at the top. Below it, the text reads 'CODEBYTE CODE-CORNER-CONQUEST'. It is organized by the Department of Computer Science and Engineering at ABESIT. Key features include 'E-Certificates for all Participants' and 'Special Consoles For Winners'. A section titled 'General Rules For The Competition' lists several points: the contest will feature random questions, there will be 2 questions, questions will be visible for 10 minutes, participants will be given 15 minutes to complete the questions, questions are based on Data structures &amp; Algorithms, and a link to the contest is provided. The faculty coordinator is Prof. Avinash Kumar Sharma.</p>
2.	SMART HACKS– 2021-An Online Programming Quiz Contest Jointly Organized by Electronics & ICT Academy (E & ICT Academy) and IIT Kanpur	26.06.2021	Prof. Avinash Kumar Sharma	 <p>The poster for SMART HACKS Hackathon features the ABESIT logo at the top. It is for a 'SMART HACKS HACKATHON' held on 30th June 2021. It is hosted by the Department of Computer Science and Engineering at ABESIT. The faculty coordinator is Prof. Avinash Kumar Sharma.</p>







# Faculty Achievements

## Publications

### • Journals:

1. Prajapati, A. and Kumar, S. (2020) '**PSO-MoSR: a PSO-based multi-objective software remodularisation**', Int. J. Bio-Inspired Computation, Vol. 15, No. 4, pp.254-263.
2. Yadav, S. P., Agrawal, K. K., Bhati, B. S., Al-Turjman, F., & Mostarda, L. (2020), '**Blockchain-based cryptocurrency regulation: an overview**'. Computational Economics, 1-17.
3. Kumar R. and Singhal V. (2020), '**IoT Enabled Crop Prediction and Irrigation Automation System Using Machine Learning**', recent advances in computer science and communications, Vol. 13, No. 1, pp. 1-11. <https://doi.org/10.2174/2666255813999200904132431>

### • Conferences:

1. Mahajan M, Kumar S, Pant B, Khan R, '**Improving Accuracy of Air Pollution Prediction by Two Step Outlier Detection**' in 2021 International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) 2021 Feb 19 (pp. 1-7). IEEE.
2. Mahajan M, Kumar S, Pant B, Tiwari UK, Khan R. '**Feature Selection and Analysis in Air Quality Data**' 2021, 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence) 2021 Jan 28 (pp. 280-285). IEEE.
3. Garg A, Sharma B, Khan R, '**Heart disease prediction using machine learning techniques**', IOP Conference Series: Materials Science and Engineering 2021 (Vol. 1022, No. 1, p. 012046), IOP Publishing.
4. Tyagi N, Khan R, Chauhan N, Singhal A, Ojha J. '**E-Rickshaws Management for Small Scale Farmers using Big Data-Apache Spark**' IOP conference series: Materials Science and Engineering 2021 (Vol. 1022, No. 1, p. 012023). IOP Publishing.
5. Verma T, Khan S, Kumar V, Khan R, Sharma PK, '**Smart glove for translating sign gestures to text in Smart Computing**' 2021 Jun 22 (pp. 495-501). CRC Press.
6. Tyagi N, Chauhan N, Singhal A, Khan R, Tiwari UK, Sharma AK. '**Sanjeevni—we care for life: Using big data-apache spark. in Smart Computing**', proceedings of the 1st International Conference on Smart Machine Intelligence and Real-Time Computing (SmartCom 2020), 26-27 June 2020, Pauri, Garhwal, Uttarakhand, India 2021 May 12 (p. 257). CRC Press.
7. Sharma, A. K., & Goel, N. (2021, May). A review paper on '**Machine Learning in Smart Computing**', proceedings of the 1st International Conference on Smart Machine Intelligence and Real-Time Computing (SmartCom 2020), 26-27 June 2020, Pauri, Garhwal, Uttarakhand, India (pp. 269). CRC Press.
8. Singhal, M., Yadav, R. & Bhatnagar, H. '**An intelligent period monitor**', Smart Computing: Proceedings of the 1st International Conference on Smart Machine Intelligence and Real-Time Computing (SmartCom 2020), 26-27 June 2020, Pauri, Garhwal, Uttarakhand, India. 2021 May. CRC Press.
9. Singhal, M. Gupta, A. Tiwari, A. & Singh A '**Crop Prediction in Smart Computing**': proceedings of the 1st International Conference on Smart Machine Intelligence and Real-Time Computing (SmartCom 2020), 26-27 June 2020, Pauri, Garhwal, Uttarakhand, India , 2021 May. CRC Press.

### • Book Chapters

Mehta Shikha, Dubey Krishna Bihari, '**E-learning tools and smart campus: boon or bane during COVID-19**', Book- E-learning Methodologies Fundamentals, technologies and applications, Edited by: Mukta Goyal, Rajalakshmi Krishnamurthi and Divakar Yadav in IET (Institute of Engineering and Technology). pp: 235 - 252, e book- ISBN 978-1-83953-121-7.



# Patents

Patent Filed by **Dr. Rizwan Khan:**

**Title of the invention:** OMAI- Waste Treatment Systems: AI- Based Programming for Operation and Maintenance of Waste Treatment Systems.

**Application No.** 2020103521, **Filed Date:** 18/11/2020. **Granted on** 13/01/2021

## Faculty Participation in FDP

Name of Faculty	Name of FDP	Starting Date of program	Ending Date of program	Duration (Days)	Host Organisation	Organized By
Ms. Archana Sharma	FDP on "Machine Learning"	2/22/2021	2/28/2021	5	ITS Engineering College, Greater Noida	ITS Engineering College, Greater Noida
Ms. Archana Sharma	Artificial Intelligence, GPU s & Deep Learning	4/20/2021	5/19/2021	30	Centre for Advanced Studies, Dr. A.P.J. Abdul Kalam Technical University, Lucknow	Centre for Advanced Studies, Dr. A.P.J. Abdul Kalam Technical University, Lucknow
Ms. Archana Sharma	Deep Learning Using Medical Data	02/08/2021	02/12/2021	5	Finland Labs (A Unit of Revert Technology Pvt. Ltd.)	Finland Labs (A Unit of Revert Technology Pvt. Ltd.)
Ms. Archana Sharma	Blockchain Technology : Architecture & its Applications	6/14/2021	6/18/2021	5	ABESIT Ghaziabad	AKTU Lucknow
Mr. Avdhesh Kumar Tiwari	Blockchain Technology : Architecture & its Applications	6/14/2021	6/18/2021	5	ABESIT Ghaziabad	AKTU Lucknow/Ms
Mr. Avdhesh Kumar Tiwari	Applied Machine Learning And Data Science	5/17/2021	5/21/2021	5	Indian Institute Of Information Technology Dharwad	AICTE
Mr. Avdhesh Kumar Tiwari	Serverless IoT For Societal Products	5/24/2021	5/28/2021	5	Indian Institute of Information Technology Kottayam	Atal Academy AICTE
Mr. Avinash Kumar Sharma	Blockchain Technology : Architecture & its Applications	6/14/2021	6/18/2021	5	ABESIT Ghaziabad	AKTU Lucknow
Dr. Krishna Kant Agrawal	Machine Learning	1/11/2021	1/15/2021	5	ABES College of Engineering, Ghaziabad	ABES College of Engineering, Ghaziabad
Ms. Garima	Blockchain Technology : Architecture & its Applications"	6/14/2021	6/18/2021	5	ABES Institute of Technology	ABES Institute of Technology
Ms. Garima	Python	5/24/2021	5/29/2021	5	E & ICT Academy, IIT Kanpur	E & ICT Academy, IIT Kanpur
Mr. Govind Kumar Rahul	Research Confront and Document Typesetting using LaTeX.	1/25/2021	2/1/2021	6	ABESIT (AICTE Sponsored)	Department of Electronic and Communication
Ms. Jaya Shukla	Blockchain Technology : Architecture & its Applications	6/14/2021	6/18/2021	5	ABESIT Ghaziabad	AKTU Lucknow
Ms. Jyoti Thakur	Cloud Computing	5/10/2021	6/15/2021	6	EICT	IIT Kanpur
Ms. Jyoti Thakur	Competitive Coding	6/17/2021	6/22/2021	6	EICT	IIT Kanpur
Ms. Jyoti Thakur	Data Science	2/15/2021	2/27/2021	14	EICT	IIT Kanpur

# Faculty Participation in FDP

Ms. Jyoti Thakur	Smart Application of Nano Sciences for Innovative Engineering Aspects	4/13/2021	4/14/2021	2	Poornima Institute of Engineering & Technology	Poornima Institute of Engineering & Technology
Ms. Jyoti Thakur	BlockchainTechnology : Architecture & its Applications	6/14/2021	6/18/2021	5	ABESIT Ghaziabad	AKTU Lucknow
Mr. Megh Singhal	BlockchainTechnology : Architecture & its Applications	6/14/2021	6/18/2021	5	ABESIT Ghaziabad	AKTU Lucknow
Ms. Priyanka Gupta	BlockchainTechnology : Architecture & its Applications	6/14/2021	6/18/2021	5	ABESIT Ghaziabad	AKTU Lucknow
Mr. Raj Kumar	BlockchainTechnology : Architecture & its Applications	6/14/2021	6/18/2021	5	ABESIT Ghaziabad	AKTU Lucknow
Mr. Sanjeev Kumar	BlockchainTechnology : Architecture & its Applications	6/14/2021	6/18/2021	5	ABESIT Ghaziabad	AKTU Lucknow
Mr. Upendra Kumar Tiwari	Introduction to Machine Learning	1/11/2021	1/15/2021	5	ABES Engineering College	ABES Engg. College
Mr. Amit Kumar Singh Sanger	Cloud Computing	3/15/2021	3/20/2021	6	EICT	IIT Kanpur
Mr. Amit Kumar Singh Sanger	Linux	4/05/2021	4/10/2021	6	EICT	IIT Kanpur
Mr. Amit Kumar Singh Sanger	Cloud computing	5/10/2021	5/15/2021	6	EICT	IIT Kanpur
Mr. Amit Kumar Singh Sanger	NBA Accreditation and Examination Reforms	5/17/2021	5/21/2021	5	Electronics and Communication Engineering Department	NITTTR, Chandigarh
Mr. Amit Kumar Singh Sanger	Advance Concepts on Networking and Linux	5/31/2021	6/05/2021	6	EICT	IIT Kanpur

# Guest Lecture Delivered



Dr. Rijwan Khan, Professor and Head, Department of Computer Science and Engineering delivered a webinar on “**Application of Genetic Algorithm in automatic test case generation in software testing**” at Shekhawati Institute of Technology on 23rd April 2021 and at CT Group of Institutions, Jalandhar on 21st May 2021.

**SHEKHAWATI**  
INSTITUTE OF TECHNOLOGY

*Presents*  
**Live National Webinar**  
*Organized By*  
Department of Master of Computer Application  
*on*  
Application of Genetic Algorithm in Automatic Test Case Generation in Software Testing

**Keynote Speaker**

**Dr. Rijwan Khan**  
(Prof. & Head)  
Department of Computer Science & Engineering  
(ABES Institute of Technology, Ghaziabad)

**Date & Time**  
April 23, 2021  
(Friday)  
12.15 pm

**LIVE WEBINAR**

**SOFTWARE TESTING**

**Note :-**  
Meeting ID for attending the Webinar will be shared 30 minutes earlier.  
Certificate will be provided to all the attendees who will attend the complete Session.

**CT GROUP**  
SINCE 1982  
Pursuing the dream  
of a better tomorrow

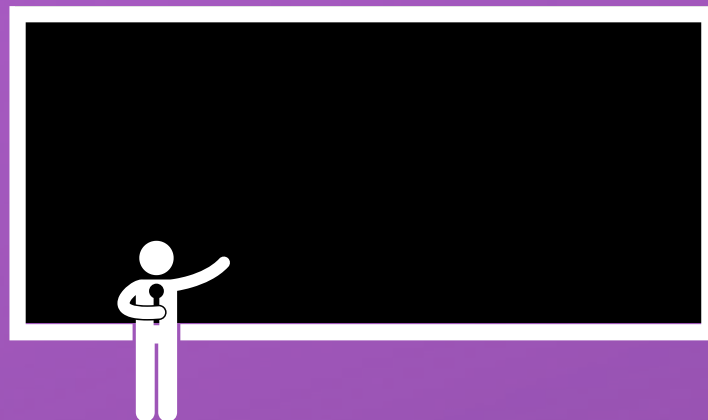
**INSTITUTION'S INNOVATION COUNCIL**  
Member of CT Group of Institutions

**WEBINAR ON**  
Application of Genetic Algorithm in Automatic Test Case Generation in Software Testing

**21<sup>ST</sup> MAY 2021**  
3:00 PM TO 4:00 PM

**Resource Person-**  
**Dr. Rijwan Khan**  
Professor and Head  
Department of Computer Science & Engineering  
ABES Institute of Technology, Ghaziabad.

**JOIN US ON** **zoom**





# Alumni Interaction



Department of Computer Science & Engineering, ABESIT organised '**Virtual Alumni Meet- Reminiscence 2021**'. This event provided a great opportunity to celebrate and refresh old relationship and form new ones. The felicitous day was graced by the magnanimous presence of dignitaries, alumni, faculty members and students. The mesmerizing dance performances and participation of students in different activities added charm to this event. The meet was ended with the Vote of Thanks by Mr. Megh Singhal, Alumni Coordinator.





# Students' Placement



In the current session 2020-21, 53 companies for CSE students approached for placement so far. Out of 187 students 160 students got placed in various Companies.

