College Code: 290

ABES INSTITUTE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY
NBA Accredited Program ~ B.Tech (IT) Upto 30th June 2022

e-Newsletter
An official Bi-Annual e-Newsletter for internal circulation

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

ABESIT
COLLEGE OF ENGINEERING

Estd: 2007

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✉ info@abesit.edu.in

📍 19th Km. Stone, NH-09, Vijay Nagar, Ghaziabad-201009 (UP)

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Academic Session
2020-21 (Odd Semester)

ADVISORY BOARD

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Advisor, ABESIT

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Head of Department, IT

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(Asst. Prof., IT)

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.

NBA
NATIONAL BOARD OF ACCREDITATION

SIH 2020
Hardware Finalist

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

AICTE

ABESIT COLLEGE OF ENGINEERING

MIC

SMART INDIA HACKATHON 2020

Congratulations!!!

Team Angry_Nerds

for participating in

Smart India Hackathon 2020 (Hardware Edition)

Grand Finale L3 Evaluation

Deepali Rao (IT)
Team Leader

Pallavi Ghosal (IT)
Team Member

Sagar Singhal (IT)
Team Member

Digvijay Dheer (IT)
Team Member

Veral Agarwal (ECE)
Team Member

Prince Divedi (ECE)
Team Member

Under the Mentorship of Prof. Rachit Patel & Prof. Shivani Sharma

Developing a platform to avail government schemes to different societies easily without the intervention of middle man which will help to reduce the corruption for Cognizant Technology Solutions India Pvt. Ltd

Admission Enquiry : 8287516758, 8287516759, 9711060929
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03 FACULTY DEVELOPMENT PROGRAM

FACULTY DEVELOPMENT PROGRAM
SESSION (2020-2021)

S. NO.	FACULTY NAME	FDP ATTENDED	DATE	NO. OF DAYS/WEEKS	VENUE	Total
1	Dr.Bipin Kr. Rai	Cyber Security	7th -12th September 2020	One Week	ABESIT,Ghaziabad	1
2	Mr. Sumit Kumar	Cyber Security	7th -12th September 2020	One Week	ABESIT,Ghaziabad	1
3	Ms.Shivani Sharma	Cyber Security	7th -12th September 2020	One Week	ABESIT,Ghaziabad	1
4	Ms. Faraj Chishti	Cyber Security	7th -12th September 2020	One Week	ABESIT,Ghaziabad	1
5	Ms.Deepti Singh	Cyber Security	7th -12th September 2020	One Week	ABESIT,Ghaziabad	1
6	Dr. Kaushal Kishor	Data Science	4th -10th August 2020	One Week	ABESIT,Ghaziabad	2
		Cyber Security	7th -12th September 2020	One Week	ABESIT,Ghaziabad	
7	Ms. Sonika Bhatnagar	Cyber Security	7th -12th September 2020	One Week	ABESIT,Ghaziabad	1
8	Mr.Rishabh	Cyber Security	7th -12th September 2020	One Week	ABESIT,Ghaziabad	1
9	Mr.Satya Prakash Yadav	Cyber Security	7th -12th September 2020	One Week	ABESIT,Ghaziabad	1

One Week Faculty Development Program for faculty was organized by Department of Information Technology in association with Supraja Technologies.

The speaker Mr Santosh Chaluvadi, Founder & CEO, Supraja Technologies, delivered an interactive session on the hackers, type of hackers & steps of hacking .

04 Faculty Publications

Dr. Bipin Kumar Rai   Book Chapter

"Cooperation through Communication in a Distributed
Problem-Solving Network"

PhD Thesis: Published as Book Entitled

"Pseudonymization Based Mechanism for
Security & Privacy of Healthcare"

EHR systems are highly desired for efficient integration of all relevant medical information of a person and to represent a lifelong documentation of medical history. Several threats to confidentiality of healthcare information from inside the healthcare institution, outsider intrusion into medical information systems is crucial. Every healthcare organization, clinic and hospital has its own information system to maintain patient data. Hence there is a need to provide standards for data exchange. Thus, electronic health records should be standardized, incorporating semantic interoperability.
This PcPbEHR solution will provide a convenient, simple, privacy preserving, secure mechanism which enables availability of patient's health information to any healthcare entity at any time with the consent of patient.

Bipin Kumar Rai

Pseudonymization Based Mechanism for Security & Privacy of Healthcare

PcPbEHR Solution for Healthcare

Dr. Bipin Kumar Rai, Professor at ABESIT Ghaziabad has 15 years of teaching experience in different renowned institutions in India. His areas of interest are Information Security, Compiler, Data Structures, Blockchain. He has published his M. Tech. thesis entitled "An Optimized Solution for Certified e-mail with Trusted Third Party".

978-620-0-78791-0

Rai

LAP LAMBERT Academic Publishing

05   BitBrain Club Activities

The speakers of the event were:

Vaibhav Kumar(3rd Yr, IT)
Pranjal Sharma(3rd Yr, IT)
Satyam Gupta(3rd Yr ,IT)
Shubham Dhawan (3rd Yr ,IT)

A workshop on "Scrap with Python" was organized by the Bit-Brain Club which is owned by Department of Information Technology, ABESIT. Total 48 students participated in the workshop including 2nd and 3rd Yr (CS/IT/ECE) . The session covered the following topics: Introduction to Python (crash course): tuples, lists, functions, arrays & data structures. Web Scraping (using python): included the demonstration of scraping of IMDb website.
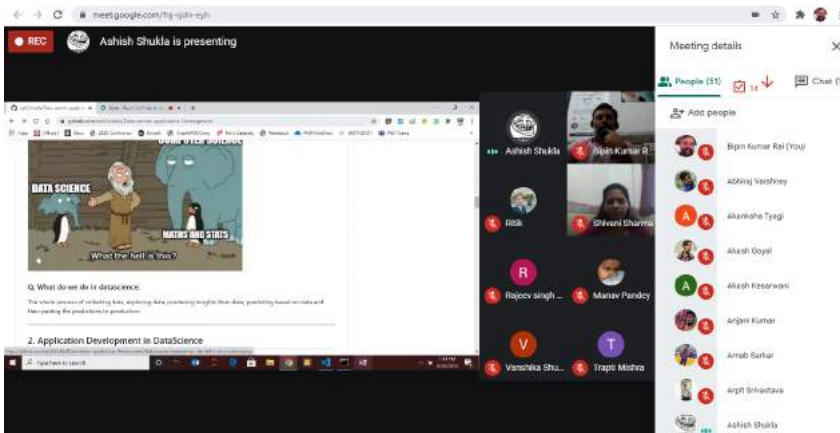
Workshop on "Django"

A two-day event was organized by Bit-Brain Club owned by the IT Department on 17th to 18th October 2020 from 3 pm to 5 pm. Tarun Agrawal, student of the CSE department was the speaker of the event. Around 65 students from CSE and IT and EC department attended the session. The expert talk was conducted in online mode through Google Meet.

06

Workshops and Expert Talks

Expert Talk on "Real Life Projects using Emerging Technologies

IT Department Organized a Expert Talk on "Real Life Projects using Emerging Technologies" on 28/08/20 from 1:30 pm to 4 pm. Total 78 students from 3rd and 4th year IT attended the expert talk. The expert talk was conducted in online mode through Google meet and it was coordinated by Ms Shivani Sharma, Assistant Professor, IT Department.

Workshop on "Cyber Security"

One Week Workshop on Cyber Security for Students of 3rd and 4th yr students (CS, IT and ECE) was organized by Department of Information Technology in association with Supraja Technologies.

On day one inauguration of program was followed by the interactive session by the speaker Mr Santosh Chaluvadi, Founder & CEO, Supraja Technologies, on the hackers, type of hackers & steps of hacking . Total 350 participants attended the session.

07 Workshops and Expert Talks

Expert Talk on Genetic Algorithm-How Amazon Plans its Deliveries?

Expert Talk on "Genetic Algorithm-How Amazon Plans its Deliveries?" was Organized for Students of 3rd and 4th year. The expert talk was conducted in online mode through Google meet was coordinated by Faraj Chishti, Assistant Professor, IT Department. The speaker for the session was Mr Harpreet Singh Sachdeva from EduGrad.

ABESIT
COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY
is Organizing
"Expert Talk"
on
"Genetic Algorithm- How Amazon Plans its Deliveries?"
for
3rd & 4th year IT Students
Speaker : Mr. Harpreet Singh Sachdeva **EduGrad**
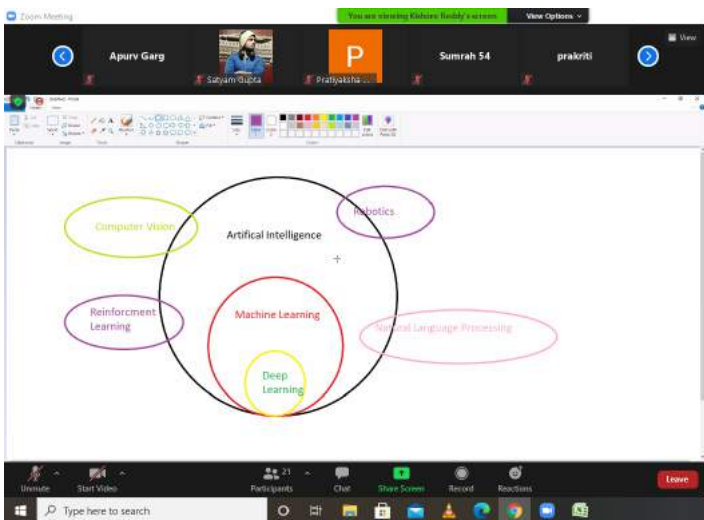
Coordinator:
Ms. Faraj Chishti
Assistant Professor, IT

Date: 17/10/2020
Time: 11:00 AM to 01:00 PM
Mode: Google Meet

ABESIT College of Engineering
Campus 2, 19th Km. Stone, NH 09, Ghaziabad, Uttar Pradesh 201009

Website   :   www.abesit.in
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The Expert talk gave insights into the theoretical aspects as well as practical implementation for topic Genetic Algorithm. The resource person gave hands on experience on implementation of Amazon Travelling Salesman Problem.

"Foundation for Data Science, AI-ML"

The online session for the 8 week training program on "Foundation for Data Science, AI-ML" which is organized by the CoE-Data science, AI-ML owned by the Department of Information Technology resumed from 2 Dec 2020 .

The topics which were covered in the 3rd week of the training are Numpy and pandas. The experts from EduGrad gave insights into theoretical and practical implementation of these topics. The resource person gave hands on experience on implementation of Numpy and Pandas.

08   Events

Hacknovate 2.0 was organized by ABESIT Institution's Innovation Council (IIC) in association with EduGrad, along with BIT-BRAIN Club, IT TECHNICAL club, RUBIX Club, TECHNOVATION club, and Computer Society of India (CSI). Prof. (Dr.) Bipin Kumar Rai was the Convener of the Event and it was coordinated by Prof. Sumit Kumar . The Event Started with the inspiring and stimulating speech by Prof. (Dr.) M.K. Jha, Director, ABESIT. He motivated the participants from various colleges of NCR and other states (Andhra Pradesh, Tamilnadu, Madhya Pradesh, Rajasthan, Punjab, Haryana, Karnataka, Uttarakhand). This event was live on ABESIT Facebook.

Inauguration Ceremony Hacknovate 2.0

News Coverage Hacknovate 2.0

अमर उजाला

नेशनल लेवल प्रोजेक्ट हेक्नोवेट 2.0 का शुभारंभ

गाजियाबाद। एनएच-9 स्थित एबीईएसआईटी इंस्टीट्यूट में नेशनल लेवल प्रोजेक्ट हेक्नोवेट 2.0 का शुक्रवार को शुभारंभ हुआ। ऑनलाइन नेशनल लेवल प्रोजेक्ट प्रतियोगिता में विभिन्न प्रदेशों के 64 टीमों के विद्यार्थियों ने भाग लिया। प्रतियोगिता में सभी टीमों के विद्यार्थी लगातार 12 घंटे प्रोग्रामिंग कर बनाए मॉडल एक्सपर्ट्स के सामने प्रस्तुत करेंगे। इस दौरान प्रोग्राम को विभिन्न सोशल मीडिया माध्यमों पर लाइव किया जाएगा। शुक्रवार को प्रोग्राम का शुभारंभ संस्थान के सलाहकार प्रो. विपिन गर्ग और निदेशक प्रो. एनके झा ने किया। कार्यक्रम में प्रथम, द्वितीय, तृतीय व चतुर्थ स्थान पाने वाली टीमों को पुरस्कृत किया जाएगा। ब्यूरो

News Coverage
Hacknovate 2.0

HACKNOVATE 2.0

The First Day of Hacknovate 2.0 organized Quiz (Basic + Core) in which 97 Students from various renowned Colleges Participated.

The second day of Hacknovate 2.0 featured a 12 hour Virtual hackathon (8AM-8PM) in which a total 64 teams from various colleges of NCR and other states (Andhra Pradesh, Tamilnadu, Madhya Pradesh, Rajasthan, Punjab, Haryana, Karnataka, Uttarakhand) are participating.
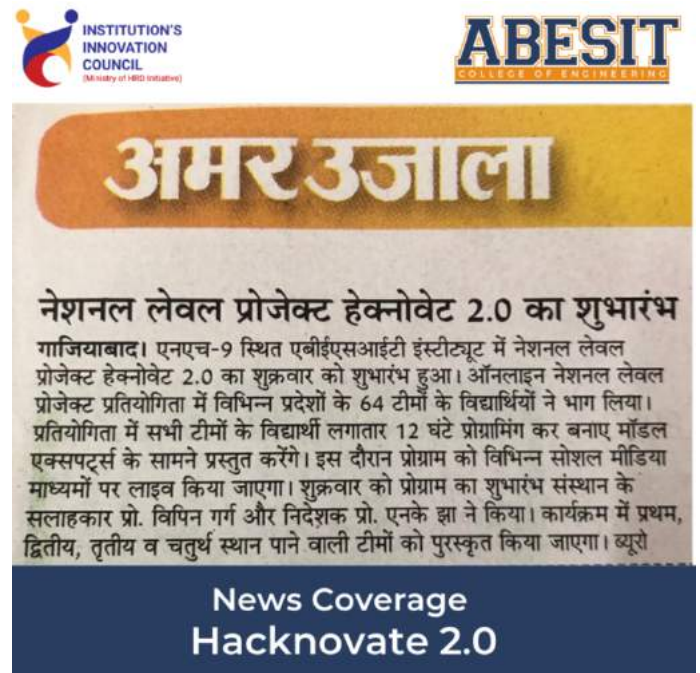
10 Placements

Congratulations and Wishing All The Success!!

S.No	Name of Student	Company
1	Sparsh Srivastava	Xoriant
2	Sarthak Chahal	Vinove Software
3	Dhishwari Singh	InnoBit Systems
4	Juli	InnoBit Systems
5	Gaurav	Coforge
6	Sarthak Chahal	Coforge
7	Satyam Pal	Velocity Software

11 Internship

Students selected for Internship in Cyber Security Workshop by Supraja Technologies

S.No	Name of Student	Year
1	Aakash Prajapati	3rd Year
2	Pranjal Sharma	3rd Year
3	Ritik	3rd Year
4	Vaibhav Kumar	3rd Year
5	Sandeep Shukla	3rd Year
6	Sunidhi Singh	3rd Year
7	Digvijay Dheer	3rd Year
8	Vanshika Shukla	3rd Year
9	Shubham Dhawan	3rd Year
10	Kanishk Chauhan	3rd Year
11	Sagar Singhal	3rd Year
12	Tanmay Shrama	3rd Year
13	Tanya Tyagi	3rd Year
14	Urvashi	3rd Year

12 Internship

S.No	Name of Student	Year
15	Rohan Tyagi	3rd Year
16	Shashank Kamboj	3rd Year
17	Kumar Satyarth	3rd Year
18	Satyam Gupta	3rd Year
19	Rohit Sharma	4rh Year
20	Sparsh Srivastava	4rh Year
21	Dhishwari Singh	4rh Year
22	Juhi Rajput	4rh Year
23	Akash Goyal	4rh Year
24	Juli Singh	4rh Year
25	Trapti Mishra	4rh Year
26	Vishal Tyagi	4rh Year
27	Anjani Kumar	4rh Year
28	Shruti Garg	4rh Year
29	Siddhant	4rh Year
30	Vimal Vashisth	4rh Year

13 Outside Corona, Inside Zoom

Article by : Vimal Vashisth

With the outbreak of COVID-19, almost every country in the world was locked down. With it came new challenges to the companies in every sector, challenge of keeping the work in progress, challenge of minimizing the loss. Obvious fact is that all companies and organizations can't get away with this situation 'without suffering losses' but trying was the main strategy.

It's very important for organizations to keep in touch with each other, conduct meetings and have an accessible active community at all times, to work successfully. While nobody expected that there will be a wave of deadly virus that will cause almost every industry in the market to shut, one main technology helped us here a lot. Main technology that helped and its usage rapidly expanded was video communication. And, the application that was responsible for such expansion was Zoom.

Following the lock-down, Zoom app was exploded on the app stores of different platforms. leaving its mark on devices that surrounded us. Because it provided effective video conferencing over the already established apps, such as Skype, Team Link etc., it was used by the MPs in Parliament to the School teachers in the Secondary Schools. Obviously, it was all over Europe and Asia, too.

During this period, through this app, classes were being conducted, meetings were held, friendly calls were placed, and many families were joined for celebrations on occasions and grievance upon the death of a close one through this app, only. The Zoom app (and less often, other apps) became the medium— and only medium— to communicate with those, who were far from us.

This not only showed that the video streaming was a viable option to carry out these activities, but it can replace many activities which demanded physical presence. Even after this pandemic overs, this comfort with usage of Zoom and other alternatives suggests that things are likely to shift our tendency to use these 'real time video conferencing' apps more.

But this being said, one aspect to look at is security. Zoom, while hugely popular, is infamous for its past activities that point at its security issues. And, India used this app because India yet not possess any real time video communication app in its catalog of 'Made In India applications' which seems to rise every other day with the motto of 'Digital India'. So, it's the time when India takes a step towards making a more secure real time communication application that can fulfill the needs of its 1.3 billion population.