

**2019-20, Volume 1**

# **Department of Information Technology**

## **Chronicle (Annual Technical Magazine )**



**ABES Institute of Technology, Ghaziabad**

**(Session: 2019-2020)**

**Website: [www.abetesit.in](http://www.abetesit.in)**

## Table of Content

S. No.	Inside This Issue	Page No.
1	Message From HOD's Desk	1
2	Vision and Mission of Department	2
3	IT Technical Club	3
4	Bit Brain Club	4
5	Center Of Excellence Inaugural Ceremony	5
6	Faculty Achievement	6
7	Faculty Development Program	6-7
8	Workshop and Expert Talks	8-11
9	IT Technical Club Events	12-13
10	Bit Brain Club Events	14-15
11	Industrial Visits	16
12	Students Achievements	17-22
13	Placements	23-24
14	Articles	25-27





## Message from HOD's Desk

I am happy to congratulate the team that has taken the initiative for this Department Magazine for the academic year 2019–20.

This Magazine acts as a platform for students and faculty to share the latest Technical knowledge and cultivate right ways that will equip all of us to stay competent in our respective fields of study and research.

I congratulate and thank the Faculty coordinator and Student Coordinator Syed Aamir Hussain Zaidi (3<sup>rd</sup> Year-IT), specially Prof. Shivani Sharma for her untiring efforts to publish this Magazine. I hope that everyone would continue to give their full efforts to keep the momentum.

**Dr. Bipin Kumar Rai,**  
**Professor and Head of Department, IT**



## Editorial Team



**Prof. Shivani Sharma**  
**(Assistant Professor)**

**Faculty Coordinator**



**Syed Aamir Hussain Zaidi**  
**(3<sup>rd</sup> Year-IT)**

**Student Coordinator**

## VISION AND MISSION OF DEPARTMENT

### Introduction To Information Technology Department

The Department offers Bachelor of Technology programme in Information Technology. The faculty and staff members of Department are well qualified and efficient in guiding the students in every field of the Information Technology. The area of Information Technology aims at design, implementation and management of computer-based information systems.

These automated information systems are capable of storing, transmitting and retrieving of all types of complex data. The Department develops IT Graduates having good problem-solving capabilities, communication skills and habit to learn new technologies. Apart from prescribed university curriculum, focus is on practical and skill-based training to ensure that students grow according to changing market scenario.

### 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.

FOLLOW US ON FACEBOOK:-



<https://www.facebook.com/IT.ABESIT/>



## IT TECHNICAL CLUB

### PREAMBLE

We, the members of IT Technical club fully realize our purpose, by establishing a technical club which will help the students to develop their skills and problem-solving capability and creating a feeling of competition among them. The clubs will focus on enhancing the personality development and technical innovativeness of the students of IT department by organizing the workshops and different quiz/competitions.

The club activities will be organized *by the students for the students*.

### FACULTY COORDINATOR

- Dr Bipin Kumar Rai

### Members of IT TECHNICAL CLUB

S.No.	NAME OF MEMBERS	Role/ Responsibility	Year	Contact No.
1.	Gaurav	President	IT 3 <sup>RD</sup> YEAR	9871379109
2.	Kumar Satyarth	Vice President	IT 2 <sup>ND</sup> YEAR	7275581829
3.	Sarthak Chahal	Secretary	IT 3 <sup>RD</sup> YEAR	8874773466
4.	Shreyshi Maheshwari	Treasurer	IT 3 <sup>RD</sup> YEAR	9410800747
5.	Juli	Public Relations In-charge	IT 3 <sup>RD</sup> YEAR	9958565482
6.	Sumrah Fatima	Core Member	IT 2 <sup>ND</sup> YEAR	9319114283

## BIT BRAIN CLUB

### PREAMBLE

We, the members of Bit Brain club fully realize our purpose, by establishing a technical club to facilitate and encourage young minds in a way which will mold and enrich their abilities in an effective practical shape ,which will benefit the students as well as institute in enhancing the technical knowledge and step forward in the innovation and creativity.

The focus of club will not only limit to Information security but also on current emerging domains in IT Industry ,so that the students can become Industry ready and technocrats to serve our society in a better way.

### FACULTY COORDINATOR

- Prof. Shivani Sharma

### Members of BIT BRAIN CLUB

S.No.	NAME OF MEMBERS	Role/ Responsibility	Year	Contact No.
1.	Shiva Tiwari	President	IT 4 <sup>th</sup>	8285735373
2.	Dhishwari Singh	Vice President	IT 3 <sup>rd</sup> YEAR	8527070558
3.	Satyam Gupta	Secretary	IT 2 <sup>nd</sup> YEAR	7905416889
4.	Shubham Dhawan	Treasurer	IT 2 <sup>nd</sup> YEAR	8077763460
5.	Vaibhav Kumar	Public Relations Incharge	IT 2 <sup>nd</sup> YEAR	8318620608
6.	Ritik Singh	Core Member	IT 3 <sup>rd</sup> YEAR	8565903133
7.	Anupam Kumar	Core Member	IT 3 <sup>rd</sup> YEAR	7737320988



## CENTER OF EXCELLENCE

29<sup>th</sup> January-2020

### Inaugural Ceremony of Center Of Excellence



A MoU was Signed Between ABESIT & EduGrad in Inaugural Ceremony of the **Center Of Excellence of Data Science, AI-ML** on 29<sup>th</sup> January, 2020. The Ribbon Cutting Ceremony of the CoE was done in the presence of **Prof. (Dr.)**



**Vipin Garg**, Advisor ABESIT, **Prof. (Dr.) M.K. Jha**, Director ABESIT, **Dr. Bipin Kumar Rai**, HOD-IT Department along with the Industry Experts **Mr. Kishore Reddy**, Co-Founder of EduGrad and **Mr. Balaji Harsh**, Associate V.P EduGrad.



## FACULTY ACHIEVEMENTS



Congratulations to Prof. Bipin Kumar Rai for award of PhD degree in Computer Science by Banasthali University, Rajasthan.

Thesis title: Pseudonymization Based Mechanism for Security and Privacy of Healthcare Information System.

Congratulations to Prof. Kaushal Kishor for the award of PhD degree in Computer Science and Engineering by Dr. A.P.J Abdul Kalam Technical University, Uttar Pradesh.

Thesis title: Study and Development of Secure Subnet Gateway Routing Protocol for MANET



## FACULTY DEVELOPMENT PROGRAM

S.NO.	Faculty Name	FDP Attended	Date	No. of Days/ Weeks	Venue
1	Ms. Shivani Sharma	Current Research Trends in Artificial Neural Network	8 <sup>th</sup> -12 <sup>th</sup> July 2019	One Week	AKGEC, Ghaziabad
2	Dr. Kaushal Kishor	Effective Communication for Managerial Success	30 <sup>th</sup> August-1 <sup>st</sup> September 2019	Three Days	IIM, Lucknow Campus Noida
3	Ms. Faraj Chishti	Data Analytics with Python	7 <sup>th</sup> -11 <sup>th</sup> September 2019	One Week	IIT, Kanpur



## FACULTY DEVELOPMENT PROGRAM

S.NO.	Faculty Name	FDP Attended	Date	No. of Days/ Weeks	Venue
4	Ms. Sonika Bhatnagar	Artificial Intelligence	14 <sup>th</sup> -19 <sup>th</sup> September 2019	One Week	IIT, Kanpur
5	Ms. Deepti Singh	Data Analytics with Python	9 <sup>th</sup> -13 <sup>th</sup> November 2019	One Week	IIT, Kanpur
6	Mr. Sumit Kumar	Internet of Things	16 <sup>th</sup> -20 <sup>th</sup> November 2019	One Week	IIT, Kanpur
7	Ms. Shivani Sharma	Examination Reforms	29 <sup>th</sup> April- 2 <sup>nd</sup> May 2020	Four Days	AICTE
8	Dr. Bipin Kumar Rai	Google Cloud Platform Fundamentals: Core Infrastructure	24 <sup>th</sup> May 2020	One Week	Coursera
9	Dr. Kaushal Kishor	Google Cloud Platform Fundamentals: Core Infrastructure	28 <sup>th</sup> May 2020	One Week	Coursera
10	Ms. Sonika Bhatnagar	Cyber Security and Digital Safety during COVID-19 Pandemic	2 <sup>nd</sup> June 2020	One Day	Poornima College of Engineering
11	Dr. Bipin Kumar Rai	How Entrepreneurs in Emerging Markets can Master the Blockchain Technology	3 <sup>rd</sup> June 2020	Four Weeks	Coursera
12	Dr. Kaushal Kishor	Global Pandemic Outbreak: Role of Technology and Automation (GPORTA)	1 <sup>st</sup> -5 <sup>th</sup> June 2020	Five Days	JSSATE, Noida
13	Dr. Kaushal Kishor	Python and Emerging Trends in Machine Learning	2 <sup>nd</sup> -6 <sup>th</sup> June 2020	Five Days	Forsk Coding School
14	Ms. Sonika Bhatnagar	Applications of Machine Learning and Deep Learning	24 <sup>th</sup> -28 <sup>th</sup> June 2020	Five Days	RKGIT, Ghaziabad
15	Dr. Bipin Kumar Rai	Smart Contracts	27 <sup>th</sup> June 2020	Four Weeks	Coursera

8<sup>th</sup> August-2019

## EXPERT TALK ON "FUTURE OF TECHNOLOGY"

An expert talk was organized by ABESIT Institution's Innovation Council on 8th August 2019 at 11 am in the auditorium. The topic of the session was "Future of Technology" and was delivered by Mr Rajeev Kumar Singh (Head-Cloud COE, Sopra Steria India). The expert discussed in detail about the current as well as the prospective future technologies.



### Speaker Details:-

MR. RAJEEV KUMAR SINGH  
HEAD CLOUD COE - SOPRA STERIA INDIA

30<sup>th</sup> August-2019

## EXPERT TALK ON "ENTREPRENEURSHIP AND INNOVATION AS A CAREER OPPORTUNITY"



Department of Information Technology organized expert talk on "Entrepreneurship & Innovation as a career opportunity" on 30th August, 2019 for IT 2nd year and 3rd year students, which was delivered by Mr. Anshu Tiwari, Software Developer, ION Trading Pvt. Ltd. from 11:00 AM to 1:00. Total 105 students attended the session.

### Speaker Details:-

Mr. Anshu Tiwari  
Software Developer, ION Trading Pvt. Ltd.



18<sup>th</sup> November-2019

## WORKSHOP ON "WEB SCRAPING & NLP"

IT Department organized a workshop on “Web Scraping and NLP” for 2nd, 3rd and 4th yr students on 18/11/19, coordinated by Prof. Shivani Sharma. The Expert Mr. Harpreet Singh Sachdeva took a hands-on-session on how to abstract and collect data from any website, and sentiment analysis was done on the collected data using python. A small project was done by the students for analyzing the reviews of a product from online shopping site Flipkart.



6<sup>th</sup> February-2020

## Workshop on Big Data Analytics



IT Department Organized a Workshop on Big Data Analytics on 6th February 2020. Total 52 students from CSE , ECE & IT attended the workshop.

The Resource person gave hands-on experience by helping the students in installing and working on ATOM, Apache etc.

The students gained knowledge and were highly motivated as the resource person **Mr. Rahul Bandhan** is the **Alumni** of IT department.”



12<sup>th</sup> February-2020

## Workshop on Designing Facial Filter using Python

CoE-Data Science, AI-ML owned by IT Department organised a workshop on “Designing facial filter using Python”. Total 41 students from IT, EC and CSE attended the workshop. Mr. Harpreet Singh Sachdeva from EduGrad started the session by introducing python language. He also discussed the basics of computer vision and how the filters are designed.



He quoted the examples of Instagram, lenskart and many other where the filters are used. The resource person gave hands on experience on designing the Facial filter using the python. The session was interactive and the students were motivated to learn Python programming language.



26<sup>th</sup> February-2020

## Workshop on Introduction to DevOp



Department of IT Organized a Workshop on “Introduction to DevOp”. The Workshop was organized on Wednesday, 26th February 2020. Total 42 students of 3rd year IT attended the Workshop. The Resource Person gave hands-on Experience by helping the students in installing and working on Web Development Operations. For example, Docker & Kubernetes. The students gained knowledge from the session.

27<sup>th</sup> February-2020

## Workshop on Launch Your Career



On the 27th of Feb, ABESIT conducted a workshop named “Launch your careers” which was led by Ms Vineela from LinkedIn. The 2nd and 3rd year students of CS, IT, Civil, and ME branches took part in it actively. While Ms. Vineela was an excellent speaker, students also turned out to be effective listeners who were frequently asking questions and were taking part in discussions.



23<sup>rd</sup> August-2019

## TECHNICAL QUIZ ON C PROGRAMMING

IT Technical Club organized a Quiz on C Programming for students of 2nd and 3rd year IT Branch on 23 August 2019 from 3:00 pm to 4:40 pm and 40 Students have participated. It was a interesting online quiz and the students showcased their brilliance by participating with full enthusiasm.



**The organizers of the event were :**

Sarthak Chahal (IT 3rd Year)

Gaurav (IT 3rd Year)

Juli (IT 3rd Year)

Shreyshi Maheshwari (IT 3rd Year)

29<sup>th</sup> August-2019

## A SESSION ON PROBLEM SOLVING/DESIGN THINKING



IT Technical Club organized a session on Problem Solving/Design Thinking for students of 2nd IT Branch on Thursday (Aug. 29, 2019) at 11:30AM. Total 56 students attended this session. Main focus of this session was to make aware about the approach for Problem Solving, formulating ideas.

**Speaker Details:**

Dr. Bipin Kumar Rai (HOD of IT Department)

Shiva Tiwari (IT 4th year)



30<sup>th</sup> August-2019

## GENERAL APTITUDE TEST



IT Technical Club organized an “APTITUDE TEST” for students of 2nd,3rd and 4th year IT Branch on 30/8/19. It was focused on company based MCQ’s. Total 66 students participated in the event and all the students took part with full enthusiasm. The duration of event was 100mins.

**The winners are as follows: -**

- 1st – Shubham Dhawan (2nd year)
- 2nd – Vaibhav kumar (2nd year)
- 3rd – Abhiraj Varshney(2nd year)/Sidh Bhardwaj (3rd year)

**The organizers of this event:-** Kumar Satyarth (IT 2nd Year)  
Sumrah Fatima (IT 2nd Year)

12<sup>th</sup> September-2019

## GROUP DISCUSSION



IT Technical Club organized an “GROUP DISCUSSION” for IT students on 12 September 2019. The main motive was to help Introspecting the speaking capabilities. Participants were judged by Prof. Sughanda Mittal.

**Winners were:-**

- Vaibhav Kumar (2nd year)
- Sarthak Gahlot (2nd year)

**Runner-up:-**

- Pallavi Ghosal (3rd year).

**Organised by:-**

- Dhishwari Singh (3rd year)
- Sumrah Fatima (2nd year)



18<sup>th</sup> October-2019

## HACKNOVATE 1.0 (DAY-1)

A two day event was organized by ABESIT Institution's Innovation Council (IIC) along with BIT-BRAIN, IT TECHNICAL CLUB owned by IT department and TECHNOVATION club owned by ECE department. This event was sponsored by CSI and ISTE. On the first day, QUIZ was organized in which 120 students participated.



### The Winners of the event were:-

#### BASIC QUIZ

- 1st – Shivesh Tripathi
- 2nd – Abhyudaya Mittal
- 3rd – Shreya Punetha

### Consolation Prizes were given to:-

- Aakash Chaudhary
- Shubh Agrawal
- Vaibhav Kumar
- Devansh Kapoor

#### CORE QUIZ

- 1st – Kirti Sharma
- 2nd – Akshay Kumar
- 3rd – Aakash Prajapati



19<sup>th</sup> October-2019

## HACKNOVATE 1.0 (DAY-2)



The second day of Hacknovate 1.0 featured a 12 hour hackathon (Software and Hardware edition) in which a total of 53 teams from various colleges of NCR participated. The projects were evaluated by the industry experts Anshu Tiwari, Camilla Mondani, Mattia Messaggio, Chiara Fornaciari.

### Winners of the event were:-

**1st Prize:-** Team Muskeeter (awarded with a prize money of 5000 Rs.)

**2nd Prize:-** Team Beta (awarded with a prize money of 3000 Rs.)

**3rd Prize:-** Team Barbarian (awarded with a prize money of 2000 Rs.)

**Consolation Prize:** Creativity Crew (awarded with a prize money of 1000 Rs.)





## INDUSTRIAL VISIT

30<sup>th</sup> August-2019



An Industrial visit to “MCN Solution Pvt. Ltd.”, H-217 Sector 1st Floor 63, Noida was organized by IT Department on 26th September, 2019. 53 students of IT 3rd year, along with faculty members, Prof. Sumit Kumar, Prof Kaushal Kishore visited MCN Solution Pvt. Ltd. At MCN Solution Pvt. Ltd., Mr. Atul motivated the students and explained about IoT and its areas where students can build their career in IoT.

**ORGANISED BY:-**

MCN SOLUTION PVT LTD, NOIDA

05<sup>th</sup> October-2019



Students Artificial Intelligence and Azure Meetup at Microsoft, Gurgaon. A Day with Artificial Intelligence and Azure named Meetup was organized at Gurgaon Chapter meet by C# corner on 5th October,2019. Students from IT department went to attend that workshop at Microsoft Office, Gurgaon. The speakers of the Event were Vivek Sharma and main topics covered during the event were AR(Augmented Reality) and VR (Virtual Reality), Game development with unity, Block chain and machine learning.

**ORGANISED BY:-**

MICROSOFT GURGAON



## Students Achievements

### Smart India Hackathon-2020

#### Shortlisted Teams for Grand Finale in the SIH-2020 (Software Edition)

S. No.	Team Name	Members Name
1	Intelleneur	Kumar Satyarth
		Sumrah Fatima
2	!ncognito	Dhishwari Singh
		Gaurav Kumar
3	Shinobi_Coders	Sparsh Srivastava
		Satyam Pal
		Juli Singh
		Sarthak Chahal
		Shreyshi Maheshwari
4	Hex Clan	Rohit Sharma
		Pranjal Sharma

#### Shortlisted Teams for Round-2 Evaluation in the SIH-2020 (Hardware Edition)

S. No.	Team Name	Members Name
1	Angry_Nerds	Deepali Rao
		Pallavi Ghosal
		Digvijay Dheer
		Sagar Singhal
		Saurabh Bhardwaj
		Kajal Gupta

## Students Achievements

### Internal Hackathon Conducted By ABESIT For SIH-2020

Big Congratulations to **Sumrah Fatima** (IT 2<sup>nd</sup> year) and **Satyarth** (IT 2<sup>nd</sup> Year), as their Team **Intelleneur** has secured Winning Position in Internal Hackathon (Software Edition) conducted by ABESIT for Smart India Hackathon 2020.



### IIC–National Innovation Contest-2020

Prototype shortlisted in the contest Conducted By IIC

S. No.	Name of Team Member	Year	Title Of Idea	Theme Assigned
1	Vaibhav Kumar	2 <sup>nd</sup>	Queue Management System on Airports (“Pravega Divigaman)	IOT Based Technologies (e.g. Security and Surveillance Systems etc.)
	Pranjal Sharma	2 <sup>nd</sup>		
	Ritik	2 <sup>nd</sup>		
	Shubham Dhawan	2 <sup>nd</sup>		
	Satyam Gupta	2 <sup>nd</sup>		
2	Sumrah Fatima	2 <sup>nd</sup>	Setu—Its Here For your Help	Agriculture and Rural Development
	Kumar Satyarth	2 <sup>nd</sup>		

### Technovation Hackathon 2 at Sharda University



Big Congratulations to **Keshav Sharma** (Team Leader-IT 2<sup>nd</sup> Year) and **Sparsh Chaudhary** (IT 2<sup>nd</sup> Year), as their Team has secured 1<sup>st</sup> Runner Up in Technovation Hackathon 2 at Sharda University and won a prize money of Rs. 20000. Total 810 teams participated in the Hackathon.



## Students Achievements

### E-Yantra Robotics Competition 2019-2020

#### Shortlisted Students in the Screening Test Conducted By IIT Bombay

S.No.	Name of Student	Theme Assigned
1	Vaibhav Kumar	Construct-O-Bot
2	Rohan Tyagi	
3	Shubham Dhawan	Survey and Rescue
4	Satyam gupta	
5	Sandeep Shukla	
6	Urvashi	Rapid Rescuer
7	Vanshika Shukla	
8	Shivya Srivastava	
9	Sidh Bhardwaj	Biped Patrol

### Participation in Technoxian, International Robotics League

**Shruti Garg** student of IT Department 3rd Year, has Participated in WRC-ROBORACE challenge of Technoxian. The event was held in Thyagaraj Stadium, New Delhi from 23 Sept to 25 Sept 2019. The Technoxian Robo Event is the 5th International Robotics League and World Robotics Championship.



### Participation in Intellectual Property Talent Search Examination



**Sumakshi** student of IT Department 3rd year, has Participated and has successfully Scored 63.89 percent in IPTSE 2018-19 and Rank 144 at all India Level.

IPTSE (Intellectual Property Talent Search Examination) is a joint Initiative of ASSOCHAM and ERICSSON.

## Students Achievements

### Research Papers

#### Research Papers 2019-2020 published in the Journal

S. No.	Name of Members	Title Of Research Paper	Published in:
1	Prof. Faraj Chishti	Dual Axis Solar Tracker with Irrigation System	Nimisha Pal et al., International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 10 Issue 6, June 2020, Page 11-16
	Nimisha Pal		
	Nandini Garg		
	Prachi		
2	Dr. Kaushal Kishor	Real Time 'Driver Drowsiness' & Monitoring & Detection Techniques	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-8, June 2020
	Divyanshu Tyagi		
	Drishti Sharma		
	Rishabh Singh		
3	Prof. Sonika Bhatnagar	E Healthcare (Online Consultancy and Pharmacy) Android Application	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) ISSN: 2278-6856, Volume 9, Issue 2, March - April 2020
	Akash Garg		
	Nakul Tyagi		
	Manish Kumar		
4	Dr. Bipin Kumar Rai	Image based Bird Species Identification	Anisha Singh et al., International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 10 Issue 04, April 2020, Page 17-24
	Anisha Singh		
	Akarshita Jain		
5	Nitish Kumar Mandal	RFID BASED ATTENDANCE MONITORING SYSTEM	International Journal of Research and Analytical Reviews (IJRAR) E-ISSN: 2348-, P-ISSN 2349-5138, Volume 7 Issue 2, April 2020
	Suheil Khan		



## Students Achievements

### Research Papers

#### Research Papers 2019-2020 published in the Journal

S. No.	Name of Members	Title Of Research Paper	Published in:
6	Prajwal Singh	E-Mandi	International Journal of Research and Analytical Reviews (IJRAR) E-ISSN: 2348-1269, P-ISSN: 2349-5138, Volume-7 Issue-2, April 2020
	Priyanshi Lavania		
7	Prof. Shivani Sharma	College Information Chatbot	Prashant Tyagi et al., International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 10 Issue 04, April 2020, Page 43-47
	Prashant Tyagi		
	Shivam Chahal		
	Vishakha Sharma		
8	Dr. Kaushal Kishor	Study and development of Air Monitoring and purification System	Vivechan International Journal of Research, ISSN No: 0976- 8211, Vol. 10 Issue 2, 2019
	Shagun Saxena		
	Shivam Yadav		
	Sarvesh Yadav		
9	Prof. Rishabh Kamal	Plant Disease Detection	Sidhant Khanna et al., International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 10 Issue 05, May 2020, Page 1-5
	Sidhant Khanna		
	Shivam Yadav		
	Shivam Chaudhary		
10	Prof. Sumit Kumar	Two Layer Image Encryption using Symmetric Key Algorithms	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-7, May 2020
	Sumakshi Chauhan		
	Shreya Pathak		

## Students Achievements

### Research Papers

#### Research Papers 2019-2020 published in the Journal

S. No.	Name of Members	Title Of Research Paper	Published in:
11	Prof. Faraj Chishti	Comparison Website for Online Shopping	Piyush Rawal et al., International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 10 Issue 05, May 2020, Page 19-21
	Piyush Rawal		
	Priyansh Gupta		
	Shubham Gaur		
12	Prof. Rishabh Kamal	Online Travel Planner using Sentiment Analysis	Shivam Singh et al., International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 10 Issue 04, April 2020, Page 25-29
	Shivam Singh		
	Sarthak Verma		
	Yash Kulshreshtha		
13	Prof Shivani Sharma	Online Chatting Application	Jhalak Mittal et al., International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 10 Issue 04, April 2020, Page 10-16
	Jhalak Mittal		
	Arushi Garg		
14	Prof. Shivani Sharma	An 'Iot' based Smart Helmet	Ankit Kumar Atras et al., International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250- 0588, Impact Factor: 6.565, Volume 10 Issue 06, June 2020, Page 1-7
	Ankit Kumar Atras		
	Harsh Chaudhary		
15	Dr. Bipin Kumar Rai	Open Source Intelligence Initiating Efficient Investigation and Reliable Web Searching	Bipin Kumar Rai et. al., in Advances in Computing and Data Sciences, 4 <sup>th</sup> International Conference, ICACDS 2020, Valletta, Malta, 24-25 April 2020, Proceeding ISBN: 978-981-15-6633-2 Springer Nature Singapore Pte, Ltd, Communications in Computer and Information Science, CCIS 1244 (Scopus Indexed), ISSN:1865-0929
	Ravi Verma		
	Shiva Tiwari		
	Janvi		



## PLACEMENTS

Department Congratulate And Wish All The Success

**STARS OF OUR IT DEPARTMENT!! THE ONES WHO SHONE!!**

S.No.	Name of Student(s)	Company
1	Shiva Tiwari	TO THE NEW
2	Arushi Garg	Cavisson Systems
3	Janvi Jaiswal	Cavisson Systems
		INFOSYS
4	Sumakshi Chauhan	Cavisson Systems
5	Sarthak Verma	Nucleus Software
6	Shivam Yadav	Nucleus Software
7	Shailesh Singh	Nucleus Software
8	Apoorva Singh	TCS
9	Anisha Singh	Fluper
		Tech Mahindra
		HestaBit Technologies
10	Drishti Sharma	Fluper
11	Nikhil Sharma	Fluper
12	Prachi	Fluper
13	Prachi Chauhan	Fluper
		NTT Data
14	Ravi Verma	Fluper
		IT By Design
		INFOSYS
15	Rohan Rai Gupta	Fluper
16	Shagun Saxena	Fluper

## PLACEMENTS

Department Congratulate And Wish All The Success

S.No.	Name of Student(s)	Company
17	Shivam Singh	Fluper
		Appinventiv
18	Shreya Pathak	Fluper
		NTT Data
19	Shubham Gaur	Fluper
		HestaBit Technologies
20	Siddharth Sharma	Fluper
		SYMB Technologies
21	Sidhant Khanna	Fluper
22	Aayushi Singh	QA InfoTech
23	Akarshita Jain	QA InfoTech
24	Ankita Saxena	NIIT Technologies
25	Nikita Kataria	NIIT Technologies
		Certybox
26	Deepak Sharma	Webkul Software
27	Divyanshu Tyagi	Quantum IT Innovation
28	Aditya Tyagi	Tech Mahindra
29	Nandini Garg	Amazon
30	Nimisha Pal	WFX
31	Sarvesh Yadav	INFOSYS
32	Harshita Mathur	Capgemini



## Outside Corona, Inside Zoom

Article by : Vimal Vashisth (IT-3<sup>rd</sup> Year)

---

With the outbreak of COVID-19, almost every country in the world was locked down. With it came new challenge of keeping the work in progress, a challenge of minimizing the loss in every sector. 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. Technology helped us here a lot. Main technology that helped us was a 'video conferencing app'. And, the application that was responsible for such expansion was Zoom.

Following the lock-down, Zoom app 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 with it the similar apps became the medium— and only medium— to communicate with those, who were far from us.

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.

## 5G data networks

Article by : Vaibhav Kumar (IT-2<sup>nd</sup> Year)

The term IT and India has been inseparable in the history of technology. The strong competition in space and technology between the USA and USSR in the late 1950s led the USA to employ more software engineers into its industries. As a result, Indian engineers became an obvious choice for a cheap source of good talent. Because of this proximity, Indian engineers in the USA rose at a high rate, and a large number of young computer-science graduates found their way to American MNC's each year.

Now coming on to Data Science: It has been a real boost on what computers are capable of with a large amount of data. In fact, our current prime minister, Shri Narendra Modi, shared the significance of the Data Science in his speech by saying : "Data is the new oil"

But the power of Data Science has also been depicted in a negative manner by few incidents.

One such incident of Cambridge Analytica exposed data of the public, collected through their activities on various social sites, which was used for political purposes in countries like India, US, Australia, and Kenya, and in many ways changed the result of various elections held there.

And lastly, with the availability of Jio communications, which made the internet more cheaper and accessible, the number of Indian users on every social platform increased like a forest fire. Also, in an article, the Economic Times (dated July 10 2018) gave the report on Talent Supply Index (TSI) by Belong showing the demand for data science professionals saw 417 % rise in a year while in the same year there is a contrast in supply which groups to 19 % only.

So the bottom line is *the future is with Indians at the supplier or demand level when it comes to Data Science.*



## Autonomous Driving

Article by : Syed Aamir Hussain Zaidi (IT-3<sup>rd</sup> Year)

Today driving a vehicle using AI technologies are become very usual in the market, especially when it comes to the car. First we should know what is a "Autonomous Vehicle" or "Self Driving Car"? It refers to a driverless car or a robo-car, a vehicle capable of sensing its environment and moving safely with little or no human input.

The first truly autonomous cars appeared in the 1980s, with Carnegie Mellon University's Navlab and ALV projects funded by the United States' Defense Advanced Research Projects Agency (DARPA) starting in 1984 and Mercedes-Benz and Bundeswehr University Munich's EUREKA Prometheus Project in 1987. By 1985, the ALV had demonstrated self-driving speeds on two-lane roads of 31 kilometres per hour (19 mph) with obstacle avoidance added in 1986 and off-road driving in day and nighttime conditions by 1987. A major milestone was achieved in 1995, with CMU's NavLab 5 completing the first autonomous coast-to-coast drive of the United States.

Most car producers is trying to make a featured "Autonomous Driving" vehicle since the late 2019. Testa chief Elon Musk has said he expects that his company can now create a truly "complete" autonomous vehicle with the number of vehicles capable of operating with a lesser degree of autonomy such as automatic break and automatic lane changing. In addition, more of the in-car system are not directly connected to driving, in addition, features such as security and entertainment functions will also become automated and reliant on data capture and analytics.

The Question that arise is that is that any advantage of a driverless car? Are we safe or not in a driverless car? YES, it is sure that we are more safe in a autonomous car than a car driven by a human. Several advantages of a self driving vehicle are: reduced accidents, reduced traffic congestion, reduced harmful emissions from vehicles, lowers fuel consumption, increasing lane capacity, eliminating stop and go waves of traffic where humans rather than road accidents create changes in speed.