



DEPT. OF ECE
presents

NEXUS

Volume 6
Edition 2

APR-JUN 2021

ECE NEWS AND EVENTS

ABOUT ECE DEPT.

The Department of Electronics and Communication Engineering lays emphasis on Teaching and Research activities in diversified areas there by, molding the students to be Analytical Thinkers, Skilled Communicators and Ethical Leaders.

Our Vision

To excel globally in technical education through research, innovation and consulting in the field of ECE and thus contribute to the larger good of the society .

Our Mission

- *To Establish a unique learning environment to enable the students to face the ever emerging challenges in the field of Electronics and Communication Engineering.*
- *To equip the students with a broad intellectual spectrum in order to prepare them for diverse and competitive career path.*
- *To lighten the discerning at work of academic programs globally, attract and nurture talent at all levels.*
- *To provide practical oriental education and foster research tie-up with national/international education institute, research bodies and industry to promote the intellectual and research pursuits of students and faculty.*
- *To provide ethical and value based education by promoting activities addressing the societal needs.*



FROM DIRECTOR'S DESK

It gives me immense satisfaction that next issue of ECE Newsletter is ready for the readers. A college Newsletter mirrors the success story of an institution and act as a great medium to reach out to the outer world. It reflects upon the persistent and committed efforts made by faculty, staff and students for taking the institution one step ahead. Continuing the same tradition, this issue of Nexus'13, reflects upon commendable contribution made by all members of PIET family in their fields of expertise as well as for the overall growth of the college.

I congratulate everyone for their bit of service for the institution and do expect the same in times to come. I also congratulate the editorial team for bringing out present issue of newsletter.

Wish you good luck!



Prof.(Dr.) Shakti Kumar
(Director)

“Success consists of going from failure to failure without loss of enthusiasm.”

—Winston Churchill



FROM HOD's DESK

Dear Readers

Greetings to you!!

The magazine is a forerunner of all departmental technical activities. With the well qualified faculty & energetic students, the club aims and continuously works for the technical enhancement. The magazine covers the activities & achievements of the students & faculty. I am pleased to present the issue before the readers.

*“Our greatest weakness lies in giving up. The most certain way to succeed is always to try just one more time.”
- Thomas A. Edison*

Wishing you all the best !!!



Dr. Monika Gambhir
(HOD ,ECE)



*Please feel free to drop in
your suggestions to :*

hod.ece@piet.co.in



EDITOR'S NOTE

It is a matter of pride as well as pleasure to present before our readers next issue of Department Newsletter. We feel honored for the faith reposed in us for performing the role of editors of Department Newsletter. We have put whole-hearted endeavors to give a complete and kaleidoscopic view of laudable achievements of ECE department. Through further issues of Nexus, we do hope that we will come up to the expectations of our readers.

"There are far, far better things ahead than any we leave behind." - C.S. Lewis



Assistant Prof.
Sapna Arora , ECE



Please feel free to drop in your suggestions to :

sapna.ece@piet.co.in

CONTENT

1. Department Activities

- ❖ Project Presentation
- ❖ Online poster making competition

2. Expert Talk

3. Placement 2021 (ECE)

4. Article-Blockchain



DEPARTMENT ACTIVITIES

- Project Presentation



Project presentation by "Electronics and Communication" Department

• e- certificates will be given to the winners.

Department: ECE
Project Coordinators : Arun Rana
Sachin Dhawan
Student Coordinators: Riya (2819278)
Himanshu(2819291)

Date : 7th MAY 2021
Time : 10:30 AM
Venue: MS Teams

Department of Electronics and Communication Engineering, PIET, organized on occasion of National Technology day celebration on 7th May, 2021 in order to

- Enhance the presentation skills of students
- Boost the technical abilities by working on practical applications
- Apply the theoretical concepts by designing the circuits.

Head of the ECE and department encouraged the students with their words of wisdom. Students of ECE departments participated and presented their project in the event.

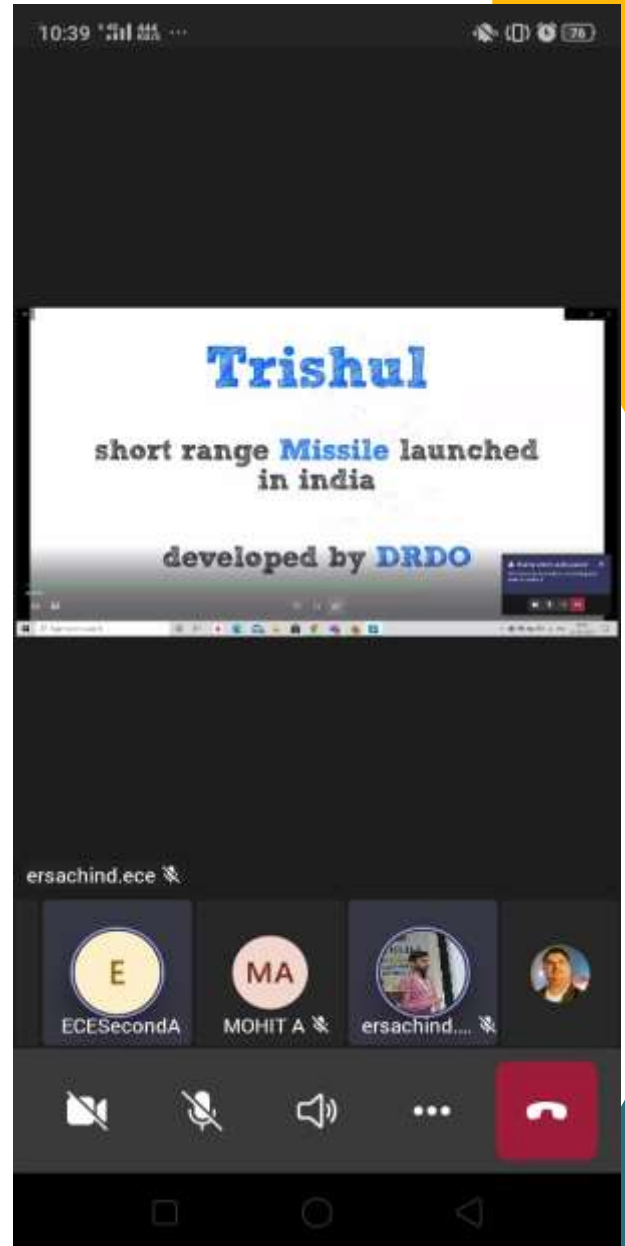
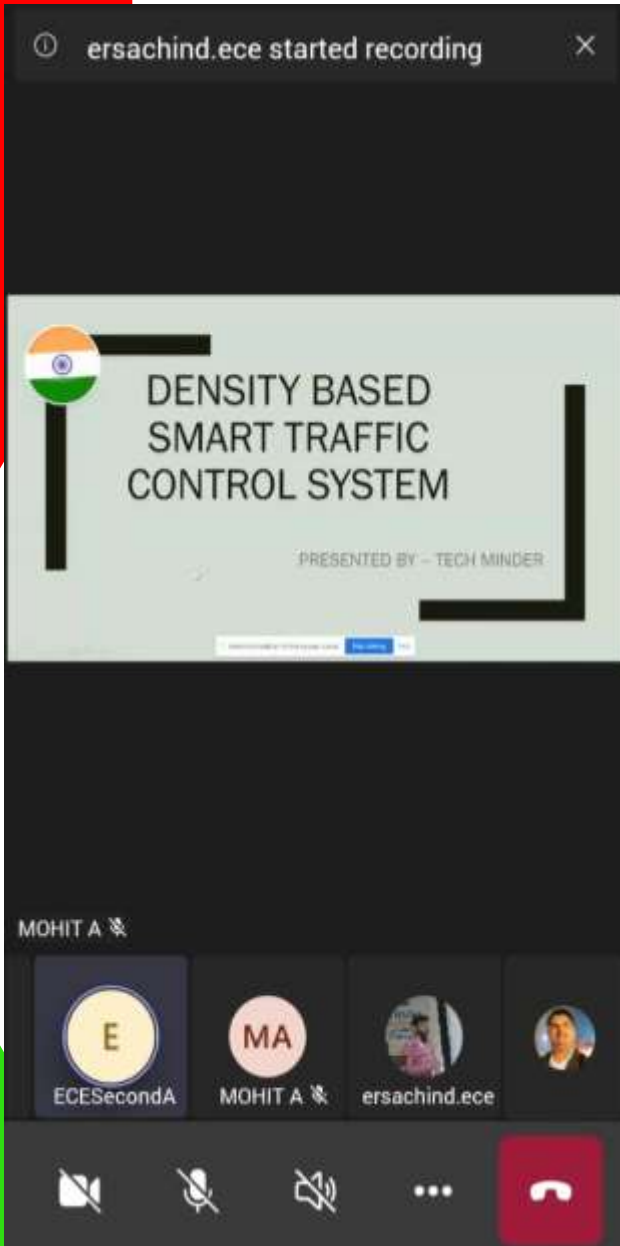
- Mr. Arun Rana
 - Mr. Sachin Dhawan
- Student coordinators
- Riya (B.Tech ECE 2ndyr)
 - Himanshu(B.Tech ECE 2ndyr)



List of winners:-

S.No	Roll No	Name	Project Title	Positions
1	2817291	Sanyam Jain	Bijukha : Smart Agriculture System	1 st
	2817276	Arun		
	2817257	Priyanka Jain		
	2817612	Sumit		
2	2818281	Priyesh Arya	Unmanned Aerial Vehicle (UAV)	2 nd
	2818253	Shangkorong Khaling		
3	2818272	Mubarak Husain	Smart Traffic Control System	3 rd
	2818251	Mohit Aggarwal		
	2818269	Aanchal		

GLIMPES OF EVENT:-



•ONLINE POSTER MAKING COMPETITON



**PANIPAT INSTITUTE OF
ENGINEERING AND TECHNOLOGY**

ONLINE POSTER MAKING COMPETITION ON WORLD BLOOD DONOR DAY (14 June 2021)

INSTRUCTIONS:-

- *Poster should be original and must follow the theme.*
- *e-poster in pdf format or hand made poster are accepted.*
- *e-certificates will be given to the winners.*
- *Participants must register themselves and upload their poster through <https://forms.gle/PVU7vgvRqn4tydmC6> by June 14, 2021.*



Student Coordinators:

- Himanshu, ECE 2nd year
(7982081655)
- Rishabh, ECE 2nd year
(9971079042)



Department of Electronics and Communication Engineering, PIET, organized World blood donor day celebration on 14 June, 2021 in order to

- Create awareness among students for importance of blood donation
- Enhance the creative skills of students

The event was successfully organized by
faculties of ECE Dept.,PIET :

Ms, Sapna Arora

Dr. Monika Gambhir

Student coordinators :

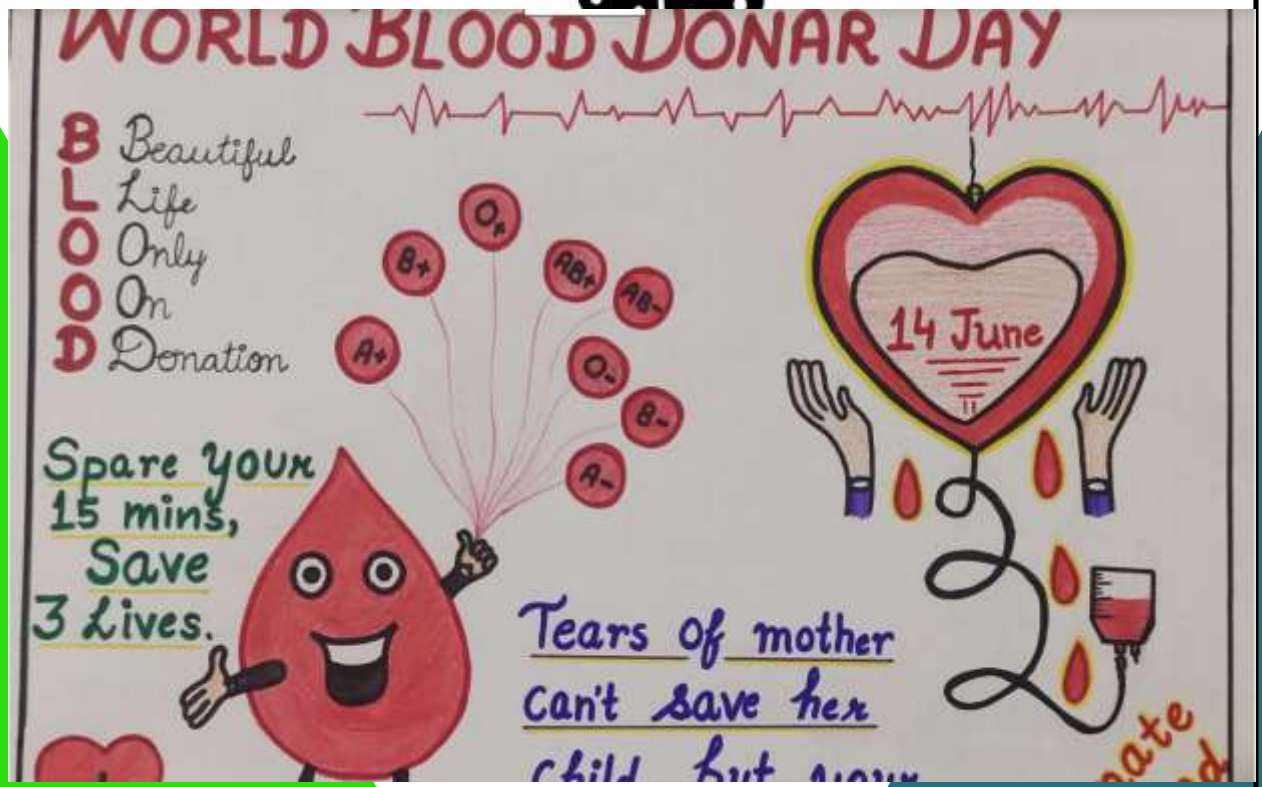
Himanshu (B.Tech ECE 2ndyr)

Rishabh (B.Tech ECE 2ndyr)

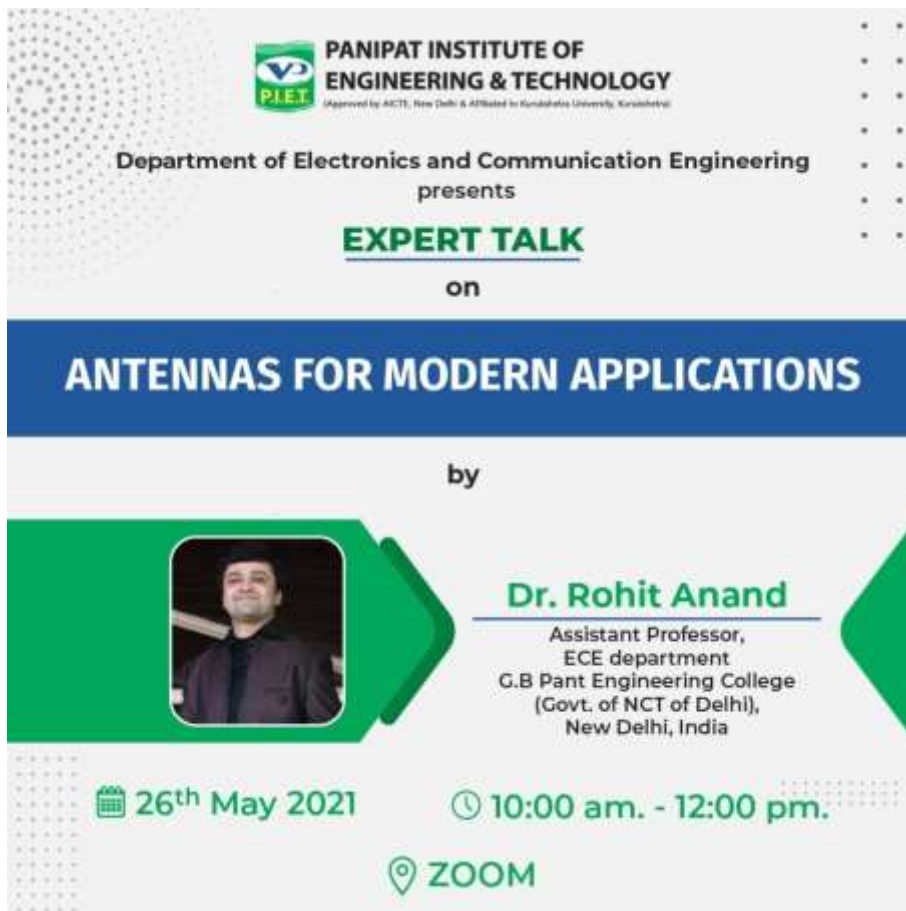
List of the Winners

S.No	Name	Category	Branch	Positions
1.	Jasneet Kalra	Handmade	D.Pharmacy	1st
2.	Kanishka Ahuja	Handmade	BCA	2nd
3.	Ayush and Simran	Handmade	CSE	3rd
4.	Shahid Ajjaj	Digital	Civil	1st
5.	Aman Bhatia	Digital	MBA	2nd
6.	Anmol	Digital	CSE	3rd

Glimpses of Events:



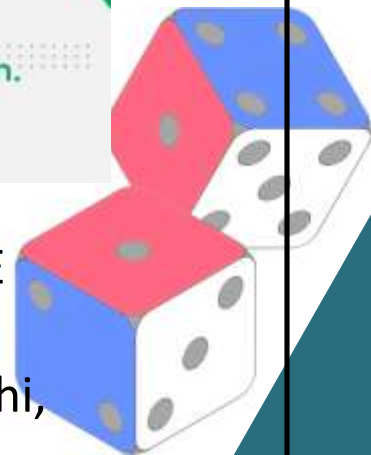
•EXPERT TALK ON ANTENNAS FOR MODERN APPLICATIONS



The poster is for an expert talk event. At the top, it features the logo of Panipat Institute of Engineering & Technology (PIET), which is approved by AICTE, New Delhi, and affiliated with Kurukshetra University, Kurukshetra. Below the logo, it states 'Department of Electronics and Communication Engineering presents' followed by 'EXPERT TALK on' in green text. A prominent blue banner in the center contains the title 'ANTENNAS FOR MODERN APPLICATIONS' in white. Below this, it says 'by' followed by a portrait of Dr. Rohit Anand. To the right of the portrait, his name 'Dr. Rohit Anand' is written in green, with his title 'Assistant Professor, ECE department, G.B Pant Engineering College (Govt. of NCT of Delhi), New Delhi, India' listed below. At the bottom, the date '26th May 2021' is shown with a calendar icon, the time '10:00 am. - 12:00 pm.' with a clock icon, and the platform 'ZOOM' with a location pin icon.

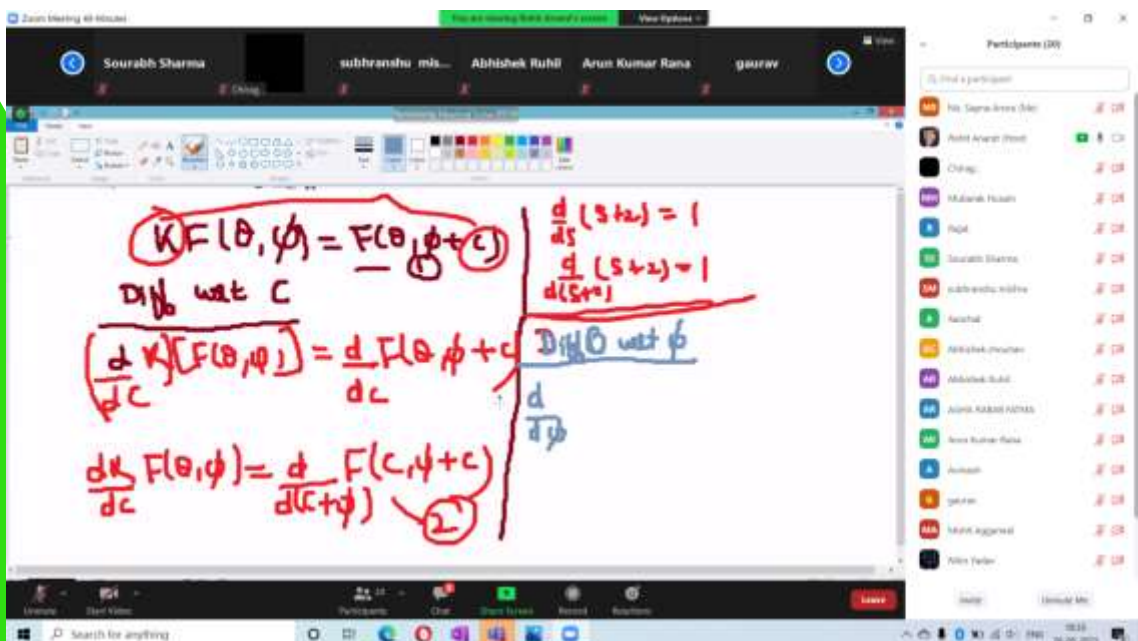
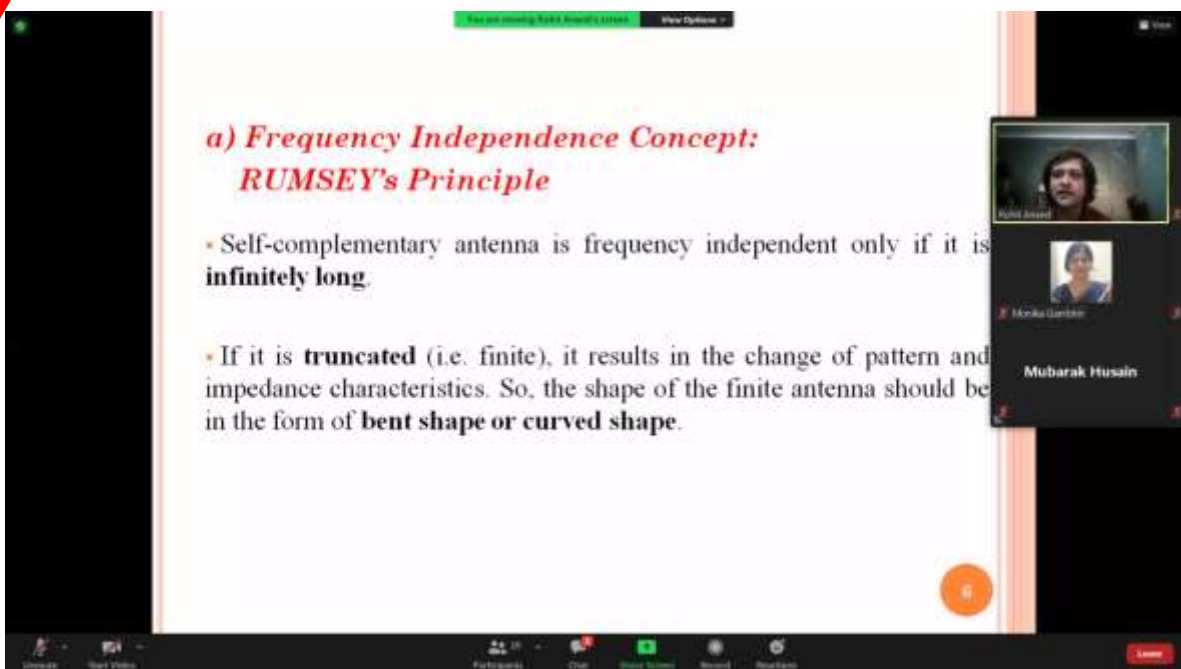
About expert:

Dr. Rohit Anand, Assistant Professor ECE department at G.B Pant Engineering College (Govt. of NCT of Delhi), New Delhi, India on 26 May 2021. He has teaching experience of more than 19 years. He has published 6 book chapters in reputed books, 12 papers in Scopus/SCI Indexed journals and 1 patent. He has done his Ph.D. (ECE) in the field of "Antenna and Microwave" from IKG Punjab Technical University, Kapurthala. The event was successfully organized by faculty of ECE Dept., PIET: Ms. Sapna Arora



ECE department conducted Guest Lecture on Antennas for Modern Applications. To discuss about Broadband antennas and their applications To guide students about antenna designing and simulation with various software.

Glimpses of Events:



PLACEMENT 2021(ECE)

NAME	ROLL NO.	OFF/ON CAMPUS	COMPANY NAME
Sanyam Jain	2817291	On Campus	Capgemini
Rahul Dabur	2817275	On Campus	Capgemini
Raghav Aggarwal	2817266	On Campus	Capgemini
Pranjal Verma	2817254	On Campus	Daffodil Software
Asis Kumar Singh	2817282	On Campus	Cloud Analogy
Priya Asija	2817258	On Campus	Cloud Analogy
Yash	2817273	On Campus	Techride
Manvi	2817255	On Campus	Audio text solutions
Parul	2817283	On Campus	Media tech solution
Arun	2817260	On Campus	British Telecom
Monika	2817289	On Campus	British Telecom
Priyanka	2817257	On Campus	British Telecom
Vivek Kumar Singh	2817277	On Campus	British Telecom
Sumit Panchal	2817612	On Campus	British Telecom
Udit Verma	2818921	On Campus	British Telecom

BLOCKCHAIN

Lastly, here comes another popular technology trend of recent times – Blockchain. Though, many of the individuals have the wrong perception in their mind that Blockchain is all about cryptocurrencies – which is absolutely not true. Cryptocurrency or bitcoin is just a fragment of the entire Blockchain technology. Apart from the cryptocurrencies, it is being used with numerous other domains as well like healthcare, supply chain & logistics, advertisements, etc. It is actually a decentralized digital ledger that maintains the records of each transaction executed across the network of computer systems around the world. The demand for blockchain technology is rising rapidly as various enterprises are looking for Blockchain platforms to develop top-level business solutions. The major reason behind such enormously rising popularity of Blockchain is the amount of security-level and transparency it offers.

As per the reports, the global market of blockchain technology is expected to reach around USD 20 billion by the year 2025, and that perhaps would be enough reason for you to keep it on your tech radar for the year 2021.

So, these are the top technology trends that you all are recommended to watch out for, in the year 2021. Also, if you have read the article thoroughly – you must have found out that all these tech trends are somehow related to each other. For instance, the emergence of the 5G tech trend will have a positive impact on IoT, AR, and VR, etc. Hence, you don't need to worry about which tech trend is worthwhile for you or not as knowing about all these tech advancements will enhance your knowledge and give you an edge over others. Getting aware of these technology trends will surely reward you with some better career and business opportunities!

-Himanshu
2819291