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### **Departmental Day 2K21**

On the eve of

**Robert Norton Noyce's Birthday** 

**Guest Lecture on Evolution of 5G Technology** 

By Mr. M. Ravi Kumar Senior Lead Engineer, Qualcomm India Pvt. Ltd, Bangalore

# AND Project Expo

On 11<sup>th</sup> December 2021



**Venue: Seminar Hall 2** 

Timings: 09:30 AM To 4:00 PM



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Venue : DIET Seminar Hall-2

Date : 11<sup>th</sup> December 2021

Organized by : DIET IETE Students' Forum

Members Attended : 300

IETE Members : 150

Non IETE Members : 150

Faculty : 20

#### **Resource person:**

1. Sri M. Ravi Kumar, Senior Lead Engineer, Qualcomm India Pvt. Ltd.,

#### **Bangalore**

#### **Brief Summary on the Event**

#### Session 1 (9:30A.M to 11:00 A.M - Seminar Hall-2)

The program started by lighting the lamp in the Seminar Hall-1, next with welcome lecture and introduction of DIET IETE Students' Forum, followed by inviting guests on to the Dias (Sri M. Satya Prasad –AGM, BSNL, Visakhapatnam, N. Kranti Kumar, JTO, Training Coordinator, BSNL, Visakhapatnam, Dr. Challa Narasimham - Principal, Dr. P. Poorna Priya –HOD of ECE, Mr. M. Kishore Kumar – DIET IETE coordinator, Dr. K. Sujatha – R & D coordinator, Dr. J Babu – IQAC coordinator, Mr. A. Lokesh –IETE Student Chair).

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Welcome note by Ms. A. Bhargavi



Speech by IETE Student Chair, Mr. A. Lokesh



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Opening Remarks by IETE Coordinator, Mr. Kishore Kumar



Speech by HOD - ECE, Dr. P. Poorna Priya



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Speech by IQAC Convenor, Dr. J. Babu



Speech by Principal – Dr. Ch. Narasimham



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Speech by Chief Guest, Mr. M. Ravi Kumar





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Further, the event continued with opening remarks by IETE student Chair, Mr. A. Lokesh of IV ECE-B, who explained the importance of IETE professional body and its role in engineer's career. He also briefed about the events conducted under IETE in the college since last 12 years. The IETE coordinator, Mr. M. Kishore Kumar explained about the higher education opportunities and the career advancements provided to the students under IETE. He also spoke about ISF (IETE Student Forum).

Later, being introduced with profile reading by Ms. Komali of III ECE, the guest of honor addressed the gathering, the underlying opportunities and key benefits of telecommunications. IQAC coordinator, Dr. J Babu, addressed the students to utilize the ISF for their career development and briefed on the importance of evolutions in telecommunications like 4G, 5G etc. Dr. P. Poorna Priya, HOD ECE, briefed about the importance of engineering and the role of an engineer for a prosperous society. Dr. Ch. Narasimham, Principal, stated that Project Expos act as a platform for students to exhibit their skills and it will be a great opportunity to interact with various resource persons for improving their knowledge to compete across the globe. The speech was followed by the guest of Honor Mr. M. Ravi Kumar, Senior Lead Engineer, Qualcomm India Pvt. Ltd., Bangalore.



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#### Session 2 (11:00 A.M to 1:00 P.M ECE Labs): Project Expo

The students from all years of ECE department participated in the event presenting their ideas in the form of hardware projects. 91 teams of students participated in the event of which 30 were from IV B. Tech, 11 from III B. Tech, ... from II B. Tech, ... from III Diploma. Dr. K. Sujatha, DIET R&D convenor and Mrs. A. S. L. K Gopalamma, Assistant Professor, EEE Department were the judges for the Project Expo.

The list of participants is as follows:

ECE DEPARTMENTAL DAY - 11/12/2021 Project Expo List				
BATCH NO.	ROLL.NOS	STUDENT NAMES	PROJECT TITLE	
1	19U41A0430 19U41A0401 19U41A0427 19U41A0417 19U41A0432	V. Meghana A. Durga Prasad P. Durga Prasad N. Niharika A. Khyathi	Power Saving Using Piezo Electric Plates	
2	19U41A0434 19U41A0428 19U41A0410 19U41A0407 19U41A0403 19U41A0404 19U41A0429	K. Tulasi U. Komali K. Hanurathan K. Jagadish B. Govardhan B. Sree Sowmya V.Sravya Sree	- Smart Carrier	
3	19U41A0425 19U41A0426 19U41A0405 19U41A0402 19U41A0414	P.U.N.Bharath P.Saikumar B.Chandrasekhar B.Radha M.Jhansi	Contact less Lock Using RF ID Technology	
4	19U41A0423 19U41A0422 19U41A0408 19U41A0406 19U41A0415	P.Likith P.Lavanya K.Roshini D.Swarna M.Mohana Prathyusha	Fan Regulator by Clapping	
5	19U41A0412 19U41A0421	K.Gayathri Devi P.Mohana Srija K. Neeraj Shashank	- Smart Traffic Controller	



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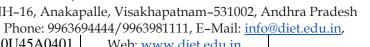
		94444/9963981111, E-Mail: <u>in</u>	fo@diet.edu.in,	
	19U41A0433	Web: www.diet.edu.in		
	19U41A0409	K. Chandini		
	19U41A0431	Y. Sri Lakshmi		
6	19U41A0420	P. Jyoshna		
	19U41A0413	M. Ganesh		
	19U41A0424	P. Sravani	Automatic Engine Locking System Through	
	19U41A0419	P. Harini	Alcohol Detection	
	19U41A0411	K. Ashok		
	19U41A0416	M. Leela Kumari		
	19U41A0436	S. Girish Kumar		
7	20U45A0407	J. Padma Priya	Driver Anti Sleep Device	
-	20U45A0408	K. Ajay Kiran		
	20U45A0404	D.S.S. Sampath		
	20U45A0417	R. Sampath Kumar		
8	19U41A0437	K. Swaroop	Automatic Temperature Detector at Entrance for	
	20U45A0425	A. Chandini	COVID Safety	
	20U45A0406	G. Anitha		
	20U45A0413	N. Vidhya Sree		
	20U45A0402	B.Kumar		
0	20U45A0403	B.Sai		
9	20U45A0416	R.Nandhini	Soil Moisture Sensor with Arduino	
	20U45A0426	B.Lohitha		
	20U45A0429	M.Harish		
	20U45A0419	SK.Ismail		
	20U45A0411	M.V.S.Snehith		
	20U45A0405	D.A.N.M.V.Sai Priya		
10	20U45A0423	P.Deenakshitha	Lich C + 10 + Will C	
10	20U45A0418	S.Yasaswani	Lift Door Control System Using Visitor Counter	
	20U45A0422	V.Satyanarayana		
	19U41A0438	S.Bharathi	1	
	20U45A0410	K.Neeraja		
	20U45A0421	U.Ushodaya		
	20U45A0412	M.Usharani	Route Plan Using RF ID	
	20U45A0424	S.Srilekha		
11	20U45A0414	N.Vijaya		
	20U45A0415	P.Kushan Kumar		
	20U45A0420	T.Revathi		
	20U45A0409	K.Tulasi		
	20U45A0427	K.Shanmukha		
		A.Mohan Kavya		



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	20U45A0401	Web: <u>www.diet.edu.in</u>	
	20U45A0428	M.V.S.S.Satyanaryana	
	19U41A0435	P.Vidhya	
12	18U41A0446	Ganeswarm Abish	Fire alarm
13	19U45A0434	S.Janaki	Water level Indicator using Aurdino
14	18U41A0409	Ch prasad	Earthquake detector
15	18U41A0428	Rongali Latha	Testing power components by using testlamp
16	18U41A0435	Yanaparthi durga Lakshmi	Simple touch sensor
17	18U41A0404	Barnikana Maraju	5w simple mono audio amplifier
18	18U41A0428	SANDRANA ROOPA	Automatic Hand Sanitizer Dispenser
19	18U41A0420	Madabattula pratyusha jyothi	Touch doorbell
20	19U45A0441	Villuri Moulika	Automatic street lights
21	18U41A0448	KOLLI SUMANTH	Tank water level indicator
22	19U45A0436	Simhadri Mounavi	Luggage security alarm project
23	19U45A0419	Karri Jayasri	Mosquito Elevator
24	18U41A0416	Chanakya Koilada	Automatic light Lamp
25	18U41A0412	Suresh	Touchless doorbell
26	18U41A0449	P. Sriramya	E-waste Recycled Water Tank Overflow Alarm
27	18U41A0451	Bhanu sree Buddha	Pin based lock using keypad and arduino
28	19U45A0433	R.Indraja	Power harvesting in shoes
29	19U45A0403	Barnikana Sirisha	Temperature controlled cooling fan with fire alarm
30	19U45A0413	Gundarapu Tejasri	Rain alarm
31	19U45A0435	Senapathi jyothi	Solar energy
32	18U41A0401	Adari Vasantha	Water level indicator using 555 timer
33	19U45A0428	Kusuma Priya Nemala	Automatic hand wash timer
34	19U45A0427	MEDISETTI MANJU	Home automation
35	19U45A0412	G. Mahalakshmidevi	Fire detection alarm
36	19U45A0421	Mytri Koduru	Simple sensor
37	19U45A0425	Malla Rajya Lakshmi	Automatic Door Bell System using IR Sensor
38	19U45A0424	Lanka Venkata Sai Tejaswini	Water over flow alarm
39	18U41A0405	Hari krishna bejawada	Earthquake detector
40	18U41A0425	chandrakala	touchdoor bell
41	18U41A0421	Dhakshayani	Water Level Indicator
42	18U41A0422	Malla Mounika naga lakshmi	Rain alarm system
43	18U41A0437	Juttuka Tallababu	Automatic door bell
44	19U45A0412	G.Durga Bhavani	Water level indicator
45	19U45A0431	P.Revathi	simple door security alarm
46	19U45A0418	K.Lokesh	Atomatic Night Lamp
47	18U41A0417	K.Kavya	Automatic street lights
		Ĭ	
48		P.Vani	Atomatic Night Lamp



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49	18U41A0406	B.Revathi	Voltage regulation LED lamp
50	19U45A0409	D.Gowri	Rain Detector
51	19U45A0414	I.Sreelekhya	Automatic street lights
52	18U41A0423	M.Madhavi	Three level water indicator
53	18U41A0455	M.Pavithra	Three level water indicator
54	18U41A0433	S.Tejasri	Touch less door bell
55	18U41A0429	R.Praveenya	Fire alarm using thermistor
56	19U45A0410	D.Ajay kumar	Rain sensor
57	19U45A0417	K.Mohan ganesh	Hand sanitizer
58	18U41A0402	A.Ram Jagan	Laser security alarm
59	18U41A0403	V.Bindu	Atomatic Night Lamp
60	18U41A0431	S.Guna	Three level water indicator
61	18U41A0426	P.Swarjan	simple clap switch
62	18U41A0408	Ch,Sai santosh	Automatic water tank filling
63	18U41A0415	K.Yamini	Hand sanitizer
64	18U41A0419	M.Sowjanya	Fire alarm System
65	19U45A0440	.Ushasri	Fire alarm System
66	18U41A0438	S.Harshitha	Anti theft alarm
67	18U41A0457	Rahul Kumar	Fire alarm System
68	18U41A0430	S.Amrutha	Rain sensor using Arduino uno
69	19U45A0439	V.Geetha bhuvana	Automatic smoke detector alarm
70	18U41A0418	K.Vijaya Manasa	Automatic Night Lamp
71	19U45A0437	T,Divya	Intruder alarm system
72	19U45A0423	K.Pavani Ishwarya	Automatic Night Light
73	18U41A0407	B.Balaji	simple clap switch
74	19U45A0430	P. Niharika	Fire Alarm
75	19U45A0408	Ch. Latha	Automatic street lights
76	19U45A0425	M. S. S. Srinath, Swamy	Automatic street lights
77	18U41A0427	P. Harish	Water level indicator
78	19U45A0404	Sravani	Automatic street lights
79	18U41A0458	A Bhargavi	Earthquake Alarm
80	18U45A0454	M. Sai Soujanya	Touch switch
81	18U41A0440	Ch. Harika	Water level indicator
82	18U41A0456	S. Aruna	Rain Detector using IC555
83	18U41A0444	D. Devi	Automatic street lights
84	19U45A0422	Dharani	Clap Switch
85	19U45A0442	G. Mounika	Touch sensor switch IC555

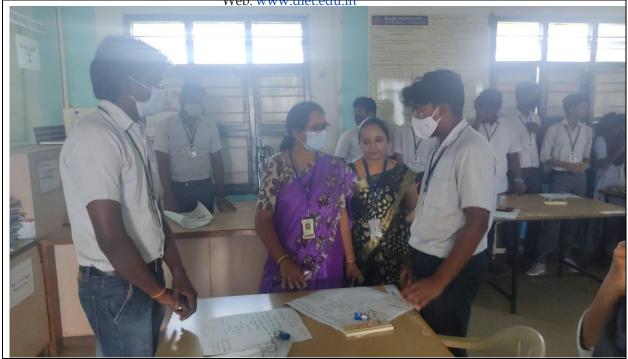


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The next session began with the guest lecture of both the resource persons explaining various schemes that govt. provides to assist enthusiasts to emerge as entrepreneurs. A person should be able to establish industries and generate employment in the future to overcome unemployment in the country was more emphasized.

The prizes were distributed to the winners of project expo.

1<sup>st</sup> prize Batch 1- "Power Saving Using Piezo Electric Plates" -3-year subscription of "Test book" online examinations application

2<sup>nd</sup> prize Batch 26- "E-waste Recycled Water Tank Overflow Alarm" -1-year subscription of "Test book" online examinations application

 $3^{\rm rd}$  prize Batch 2- "Smart Carrier" -1-year subscription of "Test book" online examinations application

Consolation prize of Rs. 500/- to ----- by HOD, Dr. P. Poorna Priya





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Further the program was followed by felicitating the guest of honor by the Principal, HOD's & the IETE Coordinator.





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The lecture was ended with vote of thanks by ECE faculty, Miss. .

Felicitation to Mr. M. Ravi Kumar



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#### **Student Participants in Seminar Hall – 2**





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#### **Chief Guest Remarks:**

- A Good planned schedule for the Lecture.
- Student participation as well as interaction is pretty good.
- The workshop is helpful to outgoing students for their entrance into core jobs.
- Students need to concentrate on core jobs than the software jobs.

#### **Faculty Remarks:**

- If target audience include diploma students also they may have get benefited in lot of ways (job oriented and knowledge oriented).
- Lecture is more concentrated on communications, and networking that gave clear idea for the budding engineers.
- The Lecture is most useful for students of all years.
- The Expo should have been conducted for at least 2 days so that all students could visit and gain knowledge.



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#### **Feedback of students:**

- The way the speaker interacted with the students is very interesting.
- It is an excellent lecture. We learned about different ideas and their implementation.
- Overall feedback is *excellent*.

Paper clippings:	(HINDU & EENADU)	

**Report Prepared By** Mrs. Kausar Jahan **HOD-ECE** 

Dr. P. Poorna Priya