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NAGARJUNA

COLLEGE OF ENGINEERING & TECHNOLOGY



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NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY

An Autonomous College under VTU



Vision
Leadership and
Excellence in
Education



Mission
To fulfill the vision by
imparting total quality
education replete with the
philosophy of blending
human values and
academic
professionalism.

Department of Electronics and Communication Engineering
Presents

Tarangā - 2021

Newsletter - Edition VII

August 2021





J. Chaitanya Varma - CEO, NGI, Bengaluru

I applaud the Department of Electronics & Communication for bringing “Taranga-2021”. Innovations in technical education plays an vital role in building future Leaders and Entrepreneurs.

Department of Electronics & Communication has acclaimed by introducing innovative learning methods, in particular bring a newsletter will show the dedication and commitment of the faculties. I would like to say that department of ECE will provide zestful leaders to the nation, under the able and excellent motivation by departmental Head and faculties.



Bhanu Chaitanya Varma- COO, NGI, Bengaluru

The aspiration towards imparting quality education, motivation depends on moulding young brains. The curricular flexibility empowers an individual with the cross-domain expertise being emphasized today. I would like to congratulate the department in compiling this newsletter “Taranga-2021” which will help and persuade future of the students in exhibiting more trans-disciplinary learning and research anchored in a convergence construct.



Dr. K. S. Deshikachar- Senior Director, NES Bangalore

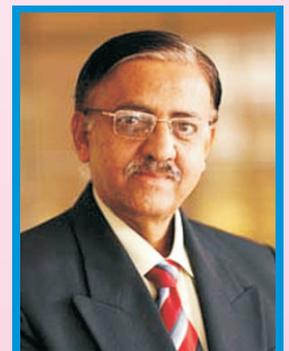


I would like to congratulate Department of Electronics & Communication in bringing this newsletter “Taranga-2021”, the department's commitment to excellence is nurtured by the high caliber of its faculty. This newsletter ensures students are being exposed to a strong research training programme and pursue cutting edge education. I admire HOD and faculties of the department for the notable news letter containing achievement in the field of academics, research, sports and extracurricular activities.



Dr. S. G. Gopala Krishna- Director, NCET

I feel immense pleasure to congratulate the Department of Electronics & Communication to bring the newsletter “Taranga-2021”, as the saying goes “as you sow, so shall you reap”. This newsletter is a presentation of collective methods showcases the transformation of the department towards achieving quality and excellence in education. I appreciate the HOD, staff and students in all their achievements. I wish them a considerable success in their future endeavors.





Dr. Jithendranath Mungara, Principal, NCET

I am glad to congratulate the Department of Electronics & Communication for bringing the newsletter “Taranga-2021”. This academic year has been an extraordinary challenge on account of COVID-19. However, the pandemic gave an opportunity worldwide to rethink and reassess the strategies for higher education. Times of crisis ought to inspire creativity, critical reflection, transformation, and renewal. In the new normal, the challenge is to adapt, regenerate, and position the college for a strong and sustainable future. A newsletter can provide updates and information on how the department is moving to achieve its goal. It also informs parents of special department activities such as field trips, meetings, missions, visions, events, performances, and community happenings. Striving for a vibrant and dynamic academic atmosphere is a wholesome and holistic exercise. This calls for the integration of students in the qualitative processes of the college. It necessitates an innovation ecosystem to hone the skills of students in diverse programs to mold them to become notable change-makers of society. The aim is to make learning an enriching, fulfilling, and enjoyable experience through a multidisciplinary approach, combining theory and practice in pedagogy. It is a gospel of technology, providing an overview of creative and technologically advanced skill transfer of the students. Taranga-2021 contains the details of regularly organized seminars, symposiums, workshops, and invited talks by eminent faculty from reputed institutions and industry experts. This newsletter contains all the details and attempts to explore newer avenues of Electronics.



Dr. Nagesh K.N, Professor & Hod, Ncet

I am very happy that our Department of Electronics and Communication Engineering is releasing 7th issue of 'TARANGA' as a forerunner of department activities. It is a technical platform to bring out the hidden talents of students and faculty. The major strength of the department is a team of well qualified and dedicated faculties who are continuously supporting the students for their academic excellence.

With great pleasure I introduce you to the Department of Electronics and Communication Engineering of Nagarjuna college of Engineering & Technology, Bengaluru. The greatest asset of the department is it's highly motivated and learned faculty who are very dedicated to teaching and also involved in up-gradation of knowledge. Their research experience will help to cultivate the future of our students to work in the global multicultural environment. With great demand in industry and great placement opportunities, the department stands tall and proud. The graduates of the Electronics & Communication Stream have been selected by some of the leading Software Industries. Department works for overall growth of students and inculcate the qualities/features that are required and acceptable by Society. Faculty/Students take initiative for Social causes at individual level and as a team under different Banners/Clubs of the Institute.

I invite you to the Electronics and Communication Engineering Department if you are looking for an undergraduate program. My team is confident that your stint with ECE department will definitely make you outshine with a successful and accomplished career. We hope that we will continue to deliver our best to serve the society and mankind. I wish good luck to team members for the publication of Newsletter TARANGA-2021



Sreenivasulu. K. N



Jyothi S K

From Editor's Desk

The aim of education is knowledge, not of facts, but of values. Education goes beyond shaping us as individuals and enhancing our perspectives. It can help you become a better citizen and build a better society.

A Department magazine is a mirror of the college life. It reflects the literary, educational, and sports activities going on in the college. It projects the important events celebrated in the college during a certain month or year. It also contains news about the college. The Covid-19 Pandemic has brought us all in an unprecedented situation, and we have challenging and uncertain

times ahead. The magazine prepares students for their future. It gives them training in the concentration of thoughts and ideas and in discipline. It can educate and prepare students for their different roles in society which they will certainly play in the near future. Students can benefit a lot by the friendly guidance of a college magazine. The young writers and poets get an excellent opportunity for displaying their talent, essays, short stories, poems, informative articles are written by students and are published in the magazine. This cultivates a find literary taste among the students. Amateur photographers among the college students are keen to publish photographs taken by them. Their joy knew no bound when their photographs are published in the college magazine. In this way the college magazine helps boost new talent. The young budding authors and poets are encouraged a lot when their works are published in the magazine. Obviously, it is a rare pleasure to see one's work in print in the college magazine.

We thank Ms.Sunitha M, Mrs.Zaiba, and Ms.Jyothi J for developing and drafting Taranga 2021.

This newsletter is to highlight all those approaches and achievements of the family members of ECE department during the Academic year 2020-21 both within and beyond academics which kept the campus life abuzz with enthusiasm.

Editorially yours,
Sreenivasulu. K. N
Jyothi S K

Editorial Committee



Ms. Sunita .M
Assistant Professor



Mrs. Zaiba
Assistant professor



Ms. Jyothi .J
Assistant professor

It gives us great pleasure to bring you the Seventh issue of Taranga-2021, the newsletter of ECE department. The name and fame of the department depends on the caliber and achievements of the students and teachers. The role of a teacher is to be a facilitator in nurturing the skills and talents of the students. This newsletter Taranga-2021 is a platform to exhibit various activities in which students and faculty members are actively involved from August 2020 to Sep 2021. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success. We profusely thank the Management, Principal and HOD for their continuous support, encouragement and a free hand in this endeavor. Last but not the least we are thankful to all who have supported us. As we trudge along uncertainly under the looming shadow of the pandemic, it is my absolute pleasure to thank each one of you for your continued support and patronage.

Editorial Committee		
Ms. Sunita M	Assistant Professor	Member
Mrs. Zaiba	Assistant Professor	Member
Ms. Jyothi J	Assistant Professor	Member

UG TOPPERS LIST - 2020-21 Even semester

Sl.No	USN's	Name	SGPA
4th Semester			
1	1NC19EC056	KAVYA REDDY M	10
2	1NC19EC065	KEERTHI K N	10
3	1NC19EC038	NANDINI H S	9.84
4	1NC19EC068	VELIGONDLA ANUSHA	9.76
6th Semester			
1	1NC18EC042	LAVANYA K R	9.16
2	1NC18EC012	BHANUPRAKASH REDDY M	9.12
3	1NC18EC017	CHANDRAKANTH N	9
4	1NC18EC014	BHAVYASHREE E	9
Final year Rank Holders-2015 Batch			
Sl.No	USN's	Name	CGPA
1	1NC17EC056	NEERAJ VENKAT	9.485
2	1NC17EC065	PRUTHVI D	9.475
3	1NC17EC068	ROHITH KISHAN	9.265

2020-21 Odd semester

Sl.No	USN's	Name	SGPA
3rd Semester			
1	1NC19EC061	NANDINI HS	9.52
2	1NC19EC039	KAVYA REDDY MM	9.4
3	1NC19EC096	VELIGONDLA ANUSHA	9.28
5th Semester			
1	1NC18EC042	LAVANYA KR	9.4
2	1NC18EC012	BHANUPRAKASH REDDY M	9.24
3	1NC18EC063	P.VIJAYKUMAR REDDY	9.2
4	1NC18EC017	CHANDRAKANTH N	9.2
7th Semester			
1	1NC17EC065	PRUTHVI D	9.538
2	1NC17EC056	NEERAJ VENKAT	9.5
3	1NC17EC021	D.BRIJESH KUMAR REDDY	9.308
4	1NC17EC038	HARSHITHA C	9.308
5	1NC17EC068	ROHITH KISHAN	9.308
6	1NC17EC069	ROOPA SR	9.308

DEPARTMENTAL ACTIVITIES:

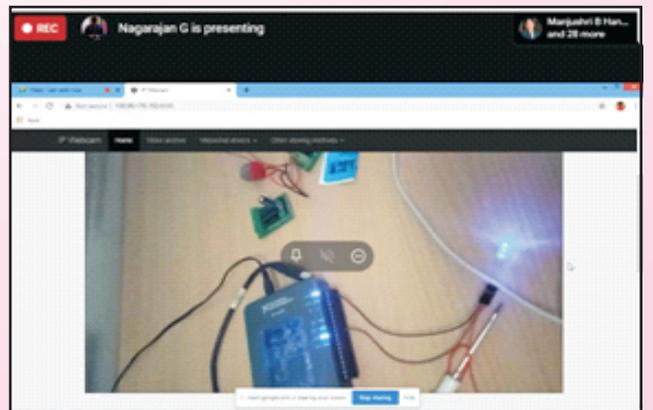
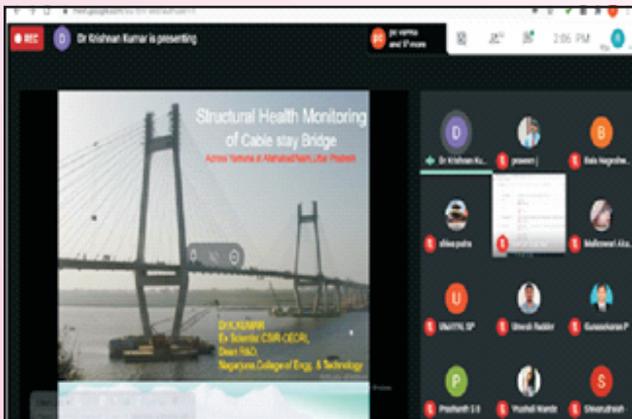
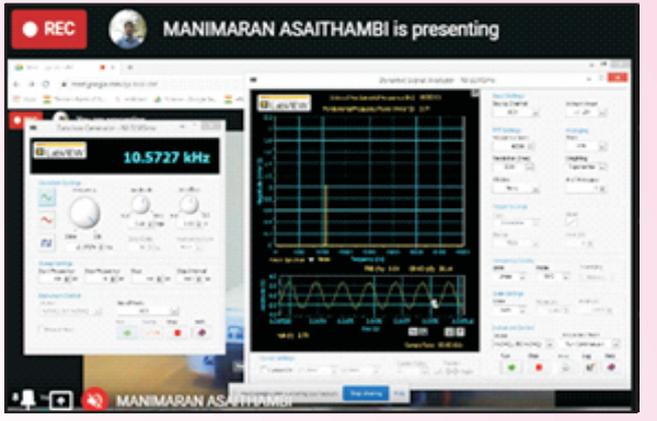
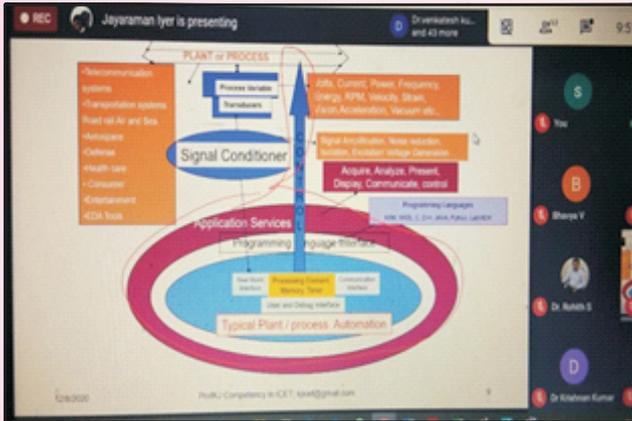
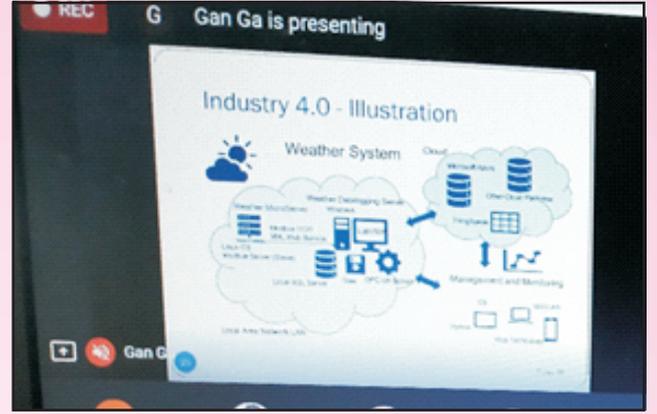
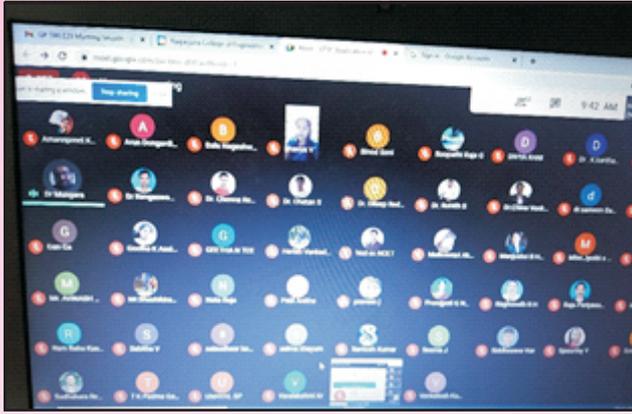
I. SHORT TERM TRAINING PROGRAMS ORGANIZED BY ECE:

- a) **STTP on Applications of NI LabVIEW Phase-1 [07/12/2020 to 12/12/2020]** The STTP was chaired by Chief Guest, Dr. R Sakthivel, Regional Officer, SWRO, AICTE Bengaluru, Dr. S.G. Gopalakrishna, (Guest of honor & Director NGI), Dr. Jitendranath Mungara (Principal & Program Chair, NCET), Convener and coordinator of STTP Dr. Nagesh K N (Professor & HOD), Dr. H. Venkatesh Kumar, Professor & Session In charge of STTP, Dr. Rohith S (Associate Professor & Co coordinator of STTP), Dr. Kumar K, Dean -R&D, NCET, Dr. S. Mohan Kumar, Dean -QA, NCET along with other heads of the dept. & all the faculty and participants were also present during the inauguration of STTP virtually.



Glimpses of Inaugural session of STTP on Application of NI Lab View Phase-1 held from 07/12/2020 to 12/12/2020

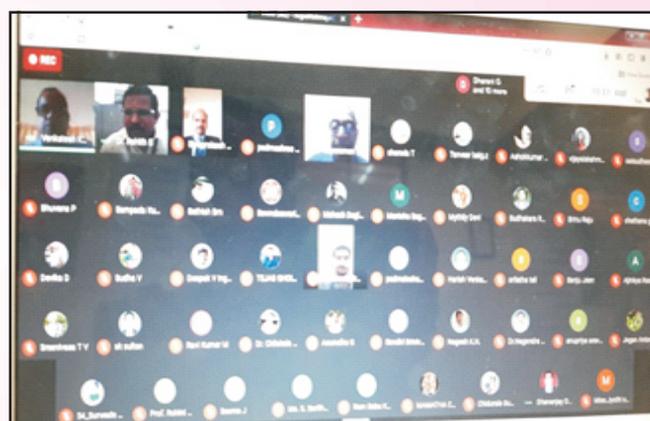
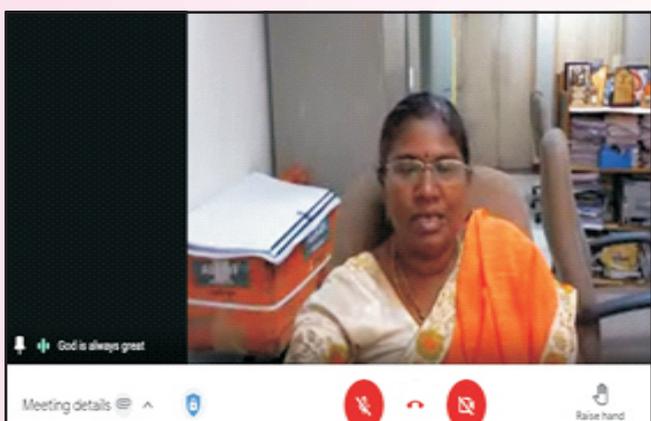
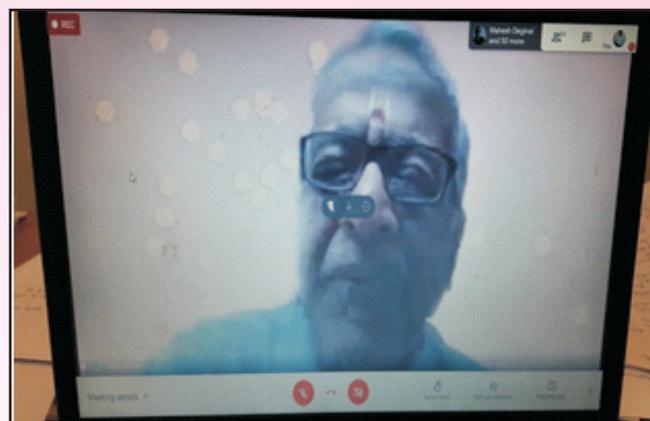
We had 100+ registration on the day of official circulation about STTP. After 2 days it was 150+ and totally we have 200+ registration from all the corners of country in short span of time. But as per the AICTE guidelines and keeping technical constraints in mind, only 99 registration has been shortlisted on first come first served basis. We had 7 eminent resource persons from reputed organization and industry as Session speaker.



Glimpses of Speakers presentation for STTP on Application of NI Lab View Phase-1 held from 07/12/2020 to 12/12/2020

b) STTP on Applications of NI LabView –Phase 2 [25th January to 1st February 2021]

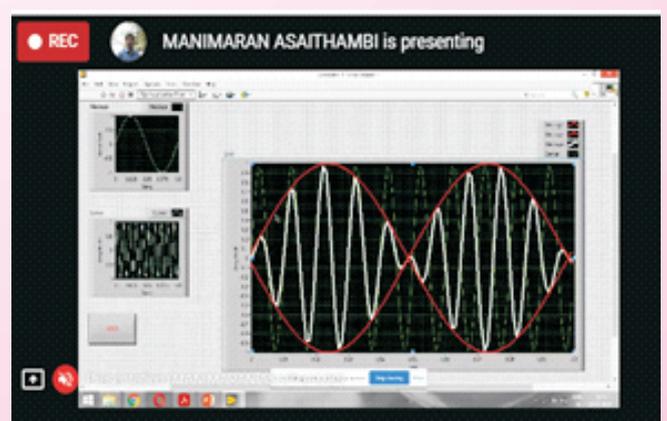
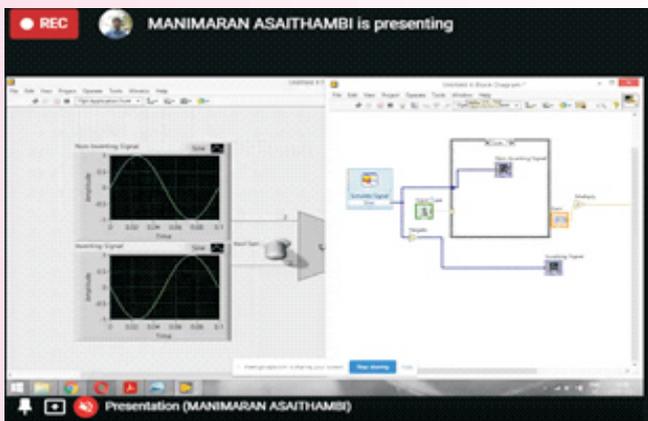
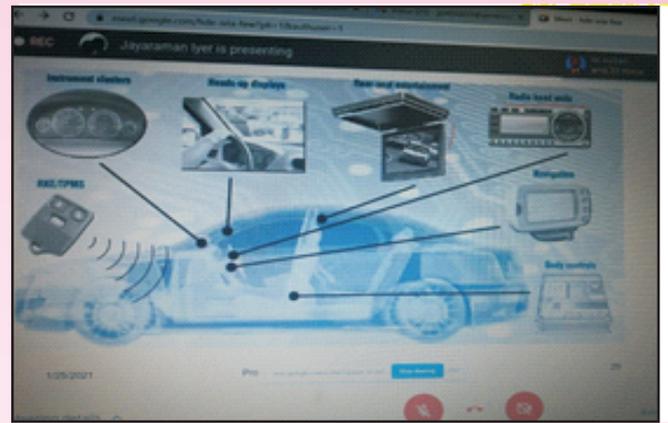
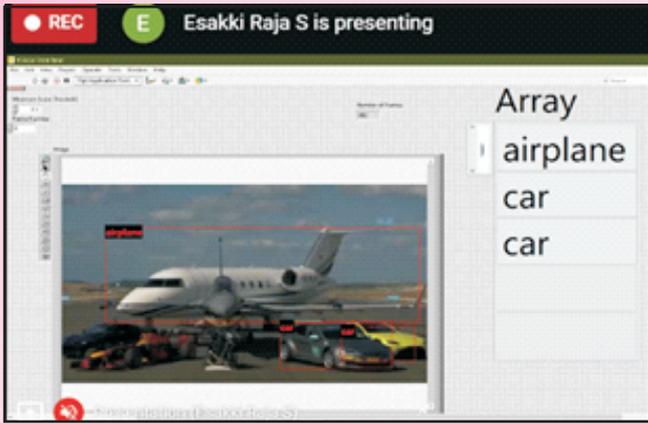
The STTP was chaired by Key note Guest speaker, **Prof. K. Jayaraman**, Competency developer Bengaluru, Convener and coordinator of STTP Dr. Nagesh K N (Professor & HOD), Dr.H.Venkatesh Kumar, Professor & Session In charge of STTP, Dr.Rohith S (Associate Professor & Co coordinator of STTP) Dr. Kumar K, Dean- R&D, NCET, Dr. S. Mohan Kumar, Dean -QA, NCET along with other heads of the dept. & all the faculty and participants were also present during the inauguration of STTP virtually.



Glimpses of Inaugural session of STTP on Application of NI Lab View Phase-1 held from 25 /01/2021 to 01/02/2021.

We had 80+ registration on the day of official circulation about STTP phase 2. After 2 days it was 110+ and totally we have 180+ registration from all the corners of country in short span of time. But as per the AICTE guidelines and keeping technical constraints in mind, only 100 registration has been shortlisted on first come first served basis.

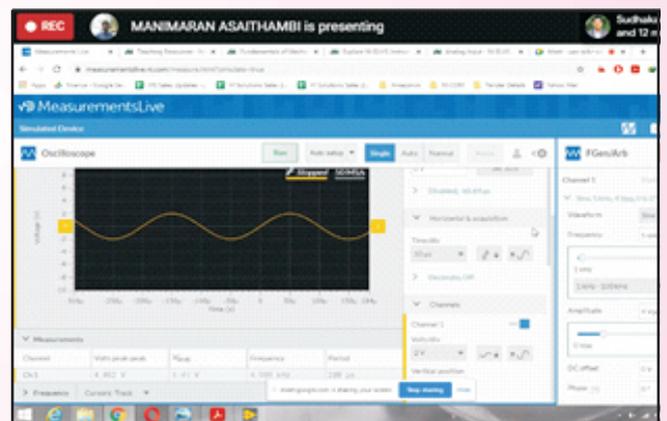
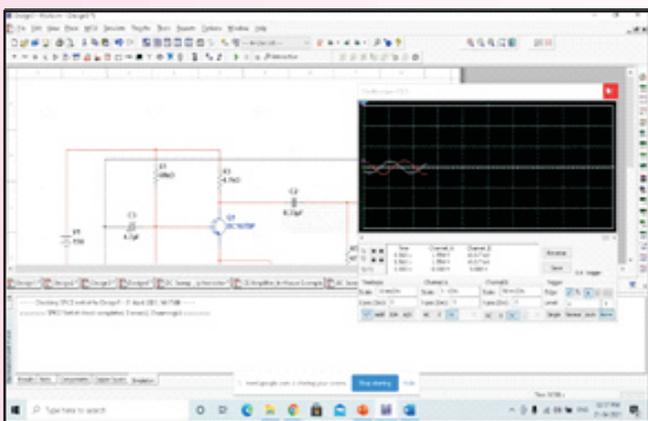
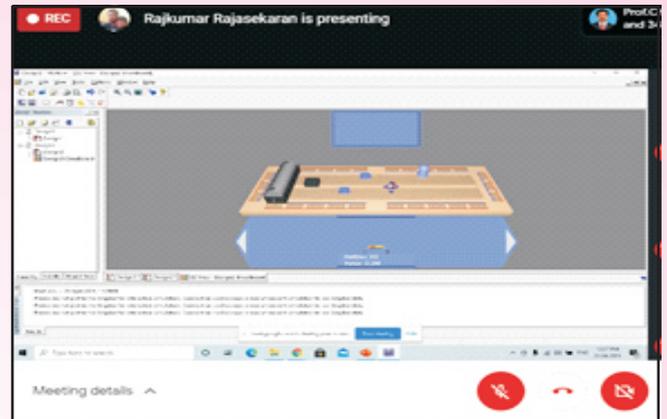
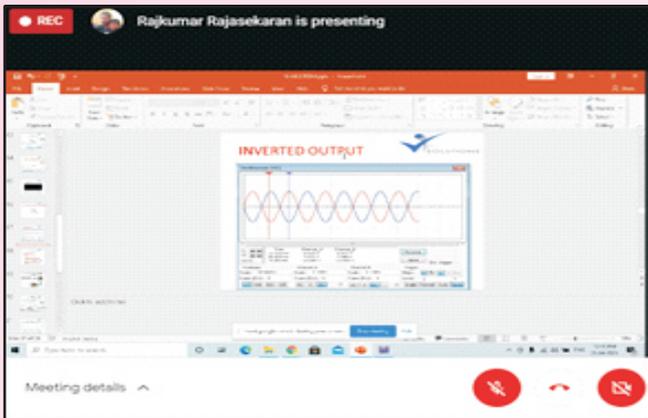




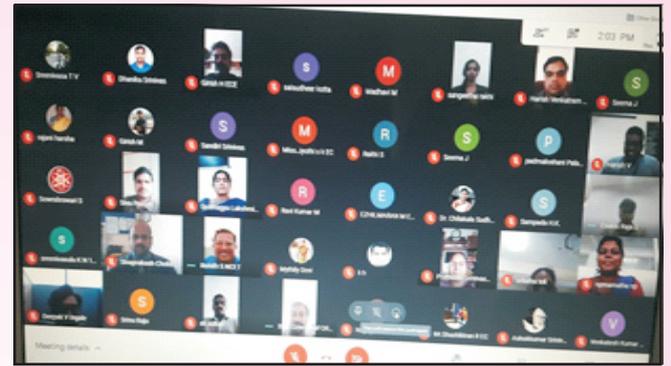
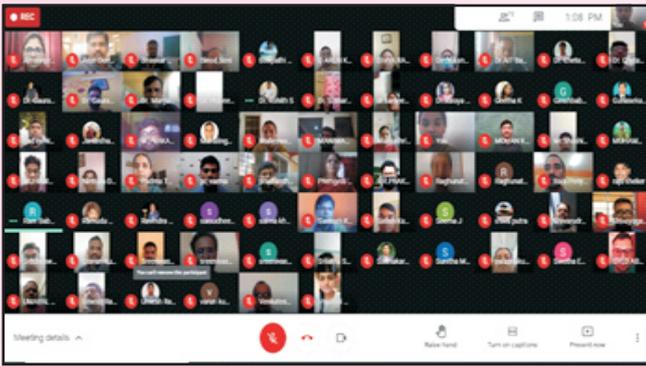
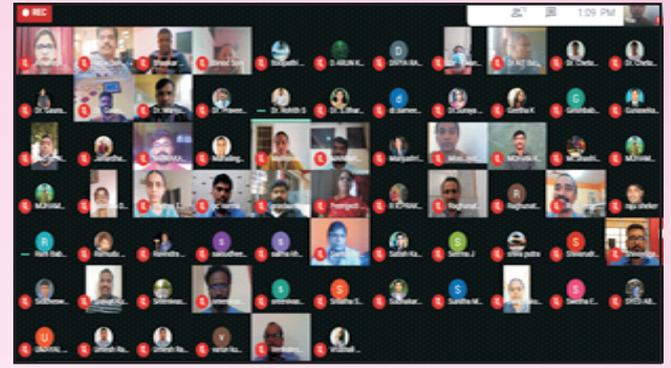
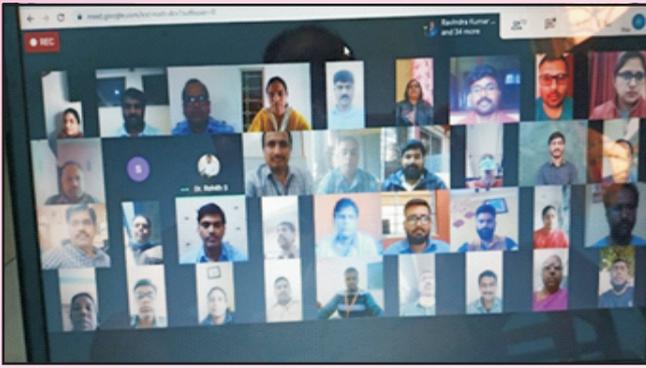
Glimpses of all sessions of STTP on Application of NI Lab View Phase-1 held from 25 /01/2021 to 01/02/2021.

c) STTP on Applications of NI LabView Phase3 [21st to 27th April 2021]:

The STTP was chaired by Dr.Jitendranath Mungara, Principal , NCET ,Key note Guest speaker, Prof. K. Jayaraman, Competency developer Bengaluru, Convener and coordinator of STTP Dr. Nagesh K N (Professor & HOD), Dr.H.Venkatesh Kumar, Professor & Session In charge of STTP, Dr.Rohith S (Associate Professor & Co coordinator of STTP)Dr. Kumar K, Dean- R&D, NCET, Dr. S. Mohan Kumar, Dean-QA, NCET along with other heads of the dept. &all the faculty and participants were also present during the inauguration of STTP virtually .



Glimpses of all sessions of STTP on Application of NI Lab View Phase-1 held from 21 /04/2021 to 27/04/2021.

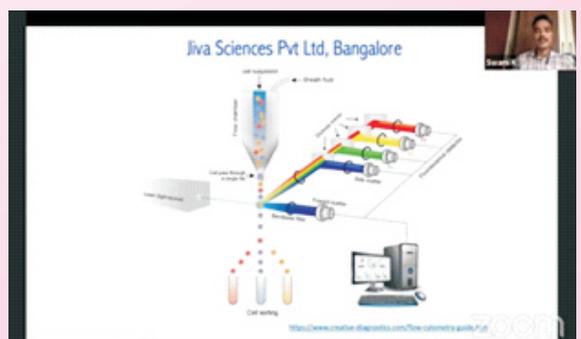
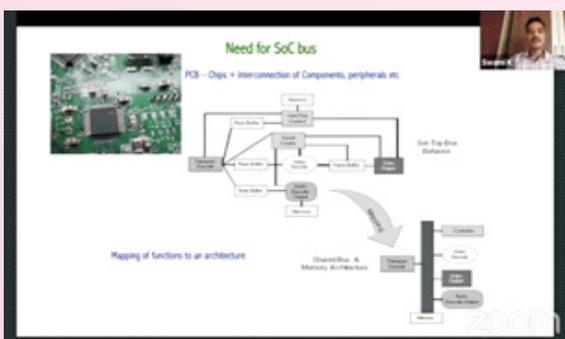
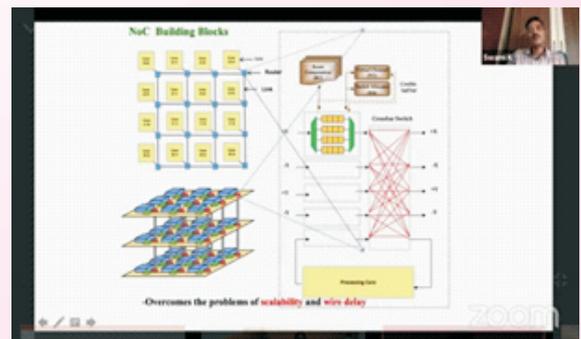
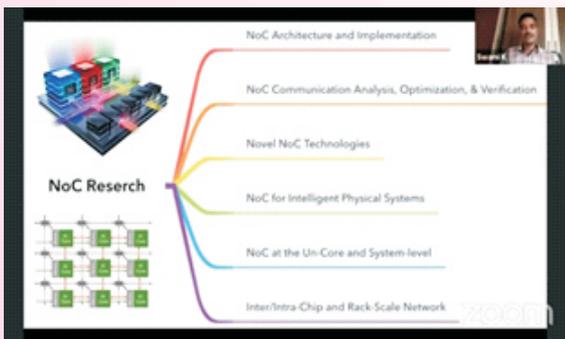


Group photo of all participants attended Short term training program organized by Dept of ECE

I. WEBINARS ORGANIZED BY DEPT OF ECE

a) Webinar on “Research Trends on Network on Chip(NOC)” on 10/06/2020

The session was chaired by Dr. S G Gopalakrishna, Director, NES, Dr. Srikanta Murthy K, Principal, NCET, Guest speaker, Dr. Swaminathan K, Head- FPGA Design Team, Jiva Sciences Pvt. Ltd., Bangalore, Dr. Jitendranath Mungara, Dean, NCET, Dr. P Harisha, Vice Principal, NCET, Prof. Dr. Nagesh K N, HOD-ECE, NCET, Organiser and Coordinator Dr.Rohith S, along with internal and external faculty members and students. A total of 385 participants from various colleges registered for the webinar.



Glimpses of Webinar on “Research Trends on Network on Chip(NOC)” held on 10/06/2020

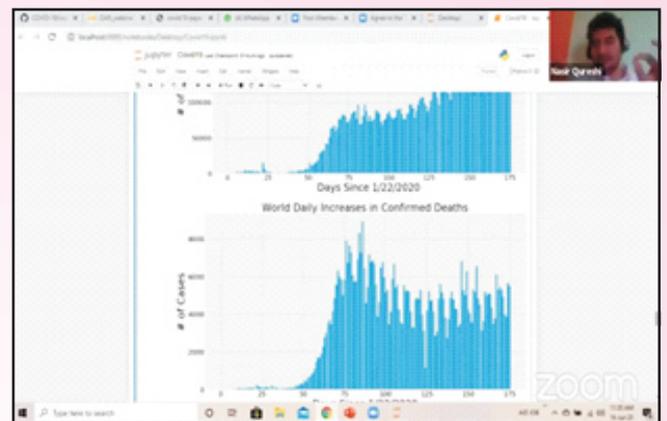
b) Webinar on “DECODING RECENT TRENDS OF MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE” on 16/07/2020

The session was chaired by Dr. S G Gopalakrishna, Director, NES, Dr. Srikanta Murthy K, Principal, NCET, Guest speaker, Mr. Mohamed Nasir Qureshi, Shiv Nadar University, Bangalore, Dr. Jitendranath Mungara, Dean, NCET, Dr. P Harisha, Vice Principal, NCET, Prof. Dr. Nagesh K N, HOD-ECE, NCET, Organiser and Convener Dr.Rohith S, Associate Professor, ECE, coordinators Mr. Vinay Kumar (Assistant Professor, ECE) and Ms. Jyothi (Assistant Professor, ECE), along with other faculty members of the department and students. A total of 100 participants attended the webinar.

Types of Supervised Machine Learning models

Regression	Classification
<ul style="list-style-type: none"> Simple Linear Regression Multiple Linear Regression Polynomial Regression Support vector Regression Decision Tree Regression Random Forest Regression Bayesian Ridge Regression 	<ul style="list-style-type: none"> Logistic Regression K-Nearest Neighbors Support Vector Machines Kernel SVM Naive Bayes Decision Tree Classification Random Forest Classification

Example: Predicting Relationship b/w Advertising budget and Sales! Predicting credit default scores in banks!



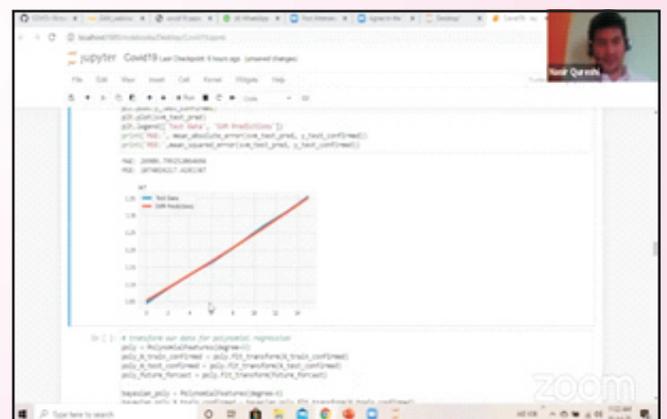
The Process

```

    graph TD
      A[Random Input Vector] --> B[Generator Model]
      B --> C[Generated Example]
      D[Real Examples] --> E[Discriminator Model]
      C --> E
      E --> F[Binary Classification: Real/Fake]
      E --> G[Update Model]
      G --> B
  
```

The Example

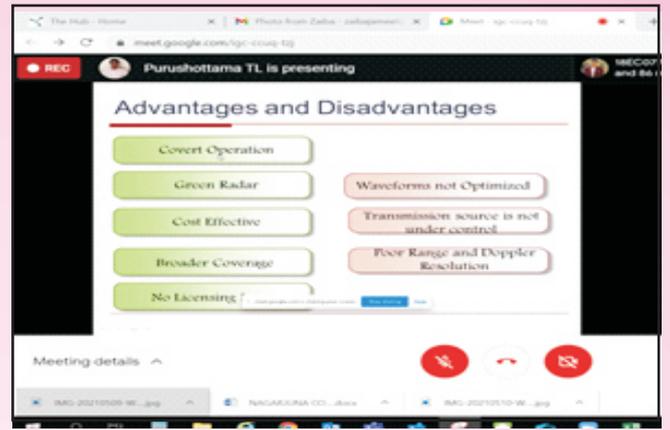
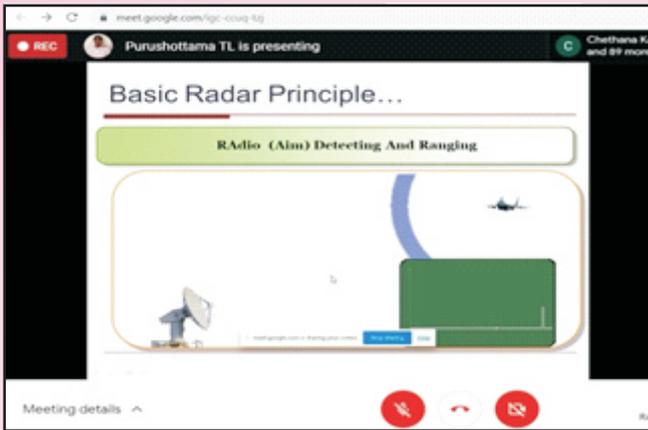
- Two Person game
- Discriminator (Art Expert: Classify an ART as Fake/Real)
- Generator (Art Forger: Trying to Fool Discriminator).
- Interaction Game as Generator trying to fool Discriminator.
- Game: The more convincing the fake painting Generator makes, the better the art expert must be at determining their authenticity.
- Game continues till Generator finally produce Art which Discriminator classify as REAL Art.
- More example? THINK



Glimpses of Webinar on “Decoding Recent Trends of Machine Learning and Artificial Intelligence” held on 16/07/2020

c) Webinar on “QUALITATIVE OVERVIEW OF PASSIVE RADARS AND THEIR APPLICATIONS” on 10/5/2021

The session was chaired by Dr. Jitendranath Mungara, Principal, NCET, Guest speaker, Mr.Purushottam T L, Research scholar NITK Suratkal, Prof. Dr. Mohan Kumar S, Dean-QA, Prof. Dr. Nagesh K N, HOD-ECE, NCET, Organiser and Convener Dr.Rohith S, Associate Professor, ECE, coordinators Mr. Harish V (Assistant Professor, ECE) and Mrs. Zaiba (Assistant Professor, ECE), along with other faculty members of the department and students.



Glimpses of Webinar on “Qualitative Overview of Passive Radars and their Applications” held on 10/5/2021

The guest speaker, Mr.Purushottam T L, gave an insight into general principle of RADAR and its range resolution and also spoke about the various categorization in RADARs. With the architecture of the passive bistatic RADAR and multistatic RADAR, the basic processing steps were illustrated. He also listed the advantages and disadvantages of passive radar systems. Total of 139 participants attended the webinar.

d) Webinar on “HOW TO MOTIVATE YOURSELF” on 13/5/2021

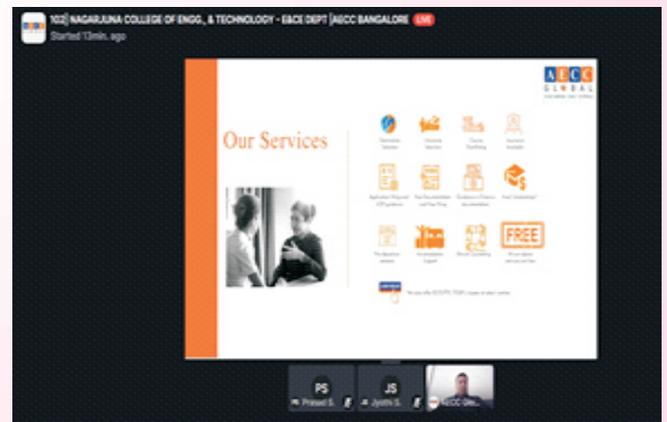
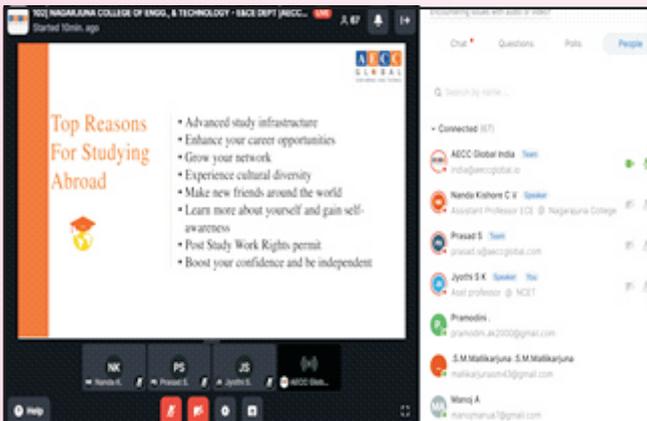
The session was chaired by Dr. Jitendranath Mungara, Principal, NCET, Guest speaker, Prof. Satyanarayana Raju M, Mentor, NCET, Prof. Dr. Mohan Kumar S, Dean-QA, Prof. Dr. Nagesh K N, HOD-ECE, NCET, Organiser and Convener Dr.Rohith S, Associate Professor, ECE, coordinators Mr. Kasetty Rambabu (Assistant Professor, ECE) and Mr. Mahesh M R (Assistant Professor, ECE), along with other faculty members of the department and students. **Glimpses of Webinar on “How to Motivate Yourself” held on 13/5/2021**



Mr. Satyanarayana Raju briefed on how to motivate yourself and it was the much awaited webinar for students during this corona pandemic as the students were feeling lonely and demotivated from studies because of this unforeseen situations. Total of 101 participants attended this webinar.

e) Webinar on “Career Pathways and Study Abroad Opportunities” on 13/5/2021

The session was chaired by Dr. Jitendranath Mungara, Principal, NCET, Guest speaker, Joel Noronho, Head Of Operations- Karnataka & Kerala, AECC Global India Pvt. Ltd., Karnataka, Prof. Dr. Mohan Kumar S, Dean-QA, Prof. Dr. Nagesh K N, HOD-ECE, NCET, Organiser and Convener Dr.Rohith S, Associate Professor, ECE, coordinators Mr. Nanda Kishore C V (Assistant Professor, ECE) and Ms. Jyothi S K (Assistant Professor, ECE), along with other faculty members of the department and students.



Glimpses of Webinar on “Career Pathways and Study Abroad Opportunities” held on 13/5/2021

Speaker Joel gave a deep insight into shaping career by studying abroad. He added, Overseas study is a great opportunity to learn through experience.

f) Webinar on “OVERVIEW ON UNDERWATER COMMUNICATION” on 13/5/2021

The session was chaired by Dr. Jitendranath Mungara, Principal, NCET, Guest speaker, Dr. Veena M B, Associate Professor, B.M.S.College of Engineering, Bangalore, Prof. Dr. Mohan Kumar S, Dean-QA, Prof. Dr. Nagesh K N, HOD-ECE, NCET, Organiser and Convener Dr.Rohith S, Associate Professor, ECE, coordinators Ms. Jyothi S K (Assistant Professor, ECE) and Ms. Jyothi J (Assistant Professor, ECE), along with other faculty members of the department and students.

Guest Speaker, Dr. Veena M B started the webinar by giving an introduction on Under Water communication. Underwater acoustic communication is a technique of sending and receiving messages below water. Total of 80 participants attended webinar.

Introduction

- UWC plays a significant role in deployed underwater applications, which has an influential impact on the **wireless network**.
- The deployment of communication network setup in underwater systems consist of fixed and anchored **sensor nodes** with the seabed, floating unmanned underwater vehicle nodes (UUVs) or autonomous underwater vehicle (AUVs), signal receiver processing towers, floating devices (buoy), submarines, ships and onshore base stations.

Type of Technology	Distance	Propagation Speed(m/s)	Frequency	Bandwidth	Data rate	Attenuation	Affecting factors determine channel quality
RF	Very short distance (Up to 10 m)	2.25×10^8	30-300 Hz	500	Kbps	Frequency and conductivity dependent (15.5 dB/m)	Conductivity and permeability of channel
Optical waves	Short distance (Up to 100 m)	Above water as RF (2.25x10 ⁸)	10 ¹⁷ -10 ¹⁹ Hz	500	Gbps	0.75 dB/m (Clear) and 11 dB/m (Turbid water)	Absorption, scattering, turbidity, suspended and organic matter of channel link
Acoustic	Long distance (Up to 20 km)	1500	10-100 kHz	50	Kbps	Distance and frequency dependent (10-15 dB/m)	Absorption, scattering, process, temperature and salinity of water medium

UWC Technologies

Fig 1: Scenario of existing RF-Acoustic UWC

UWC Applications

- Autonomous Underwater Vehicle (AUV)
- Pollution monitoring
- Ocean currents monitoring
- Equipment monitoring and control
- Seismic monitoring
- Remotely operated vehicle (ROV)
- Acoustic navigation technology for multiple AUVs
- Solar Powered AUVs
- Disaster detection & early warning
- Defence

Acoustic Modems

Modern Specifications:

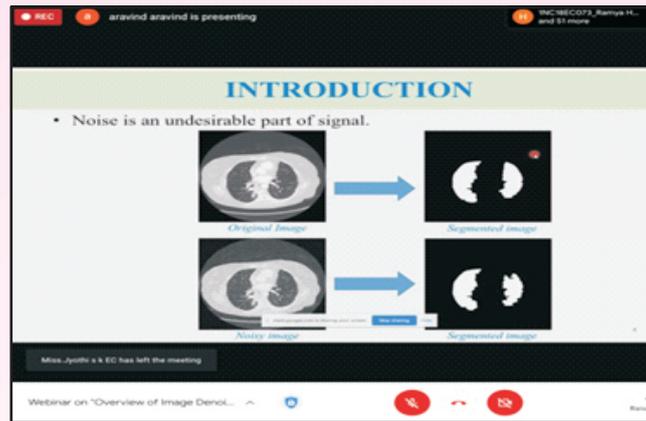
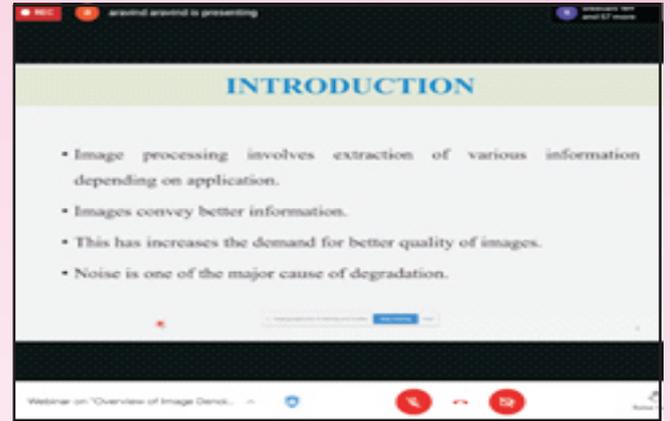
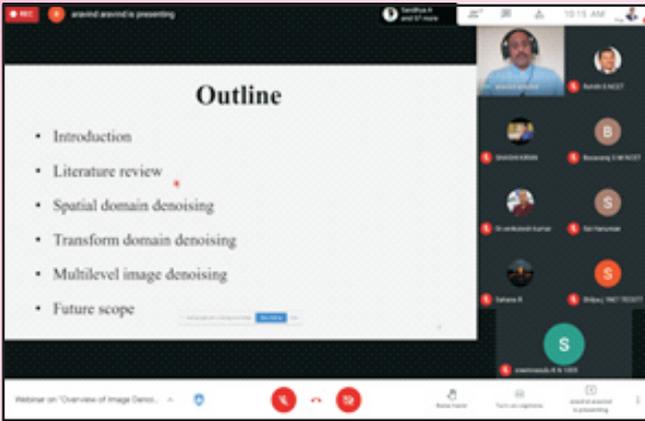
- OFDM Modulation, Convolutional, Golay & LDPC codes
- 50-75 kHz frequency band
- Source level -180 dB @ 1m
- SRM - 1.5 km range, Up to 10 kbps data rate
- Demonstrated error-free performance up to 10 kbps at a range of up to 1.5 km

Glimpses of Webinar on “Overview on Underwater Communication” held on 13/5/2021

g) Online Webinar “Overview of Image Denoising” on 15/5/2021

The session was chaired by Dr. Jitendranath Mungara, Principal, NCET, Guest speaker, Dr. Aravind B N, Professor & HOD, RIT, Hassan, Prof. Dr. Mohan Kumar S, Dean-QA, Prof. Dr. Nagesh K N, HOD-ECE, NCET, Organiser and Convener Dr. Rohith S, Associate Professor, ECE, coordinators Dr. Yashwanth N (Associate Professor, ECE) and Mr. Shashikiran R (Assistant Professor, ECE), along with other faculty members of the department and students.

The objective of the webinar is to give a general introduction to the concept of Image Denoising. Starting with the properties of an image, Dr. Aravind B N spoke about the fundamentals of image denoising. He explained the different denoising methods like spatial domain denoising and transform image denoising. Total of 70 participants attended the webinar.

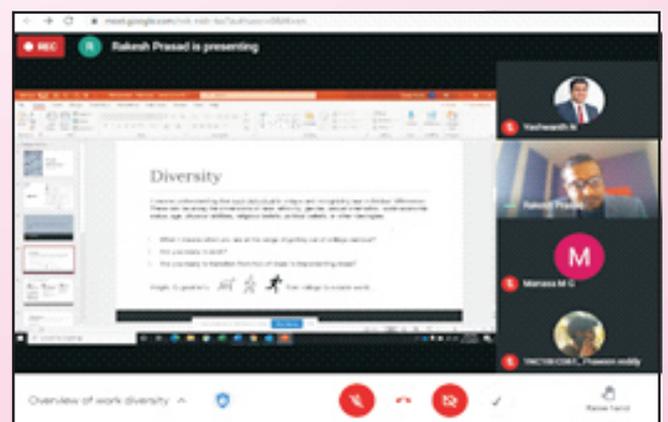
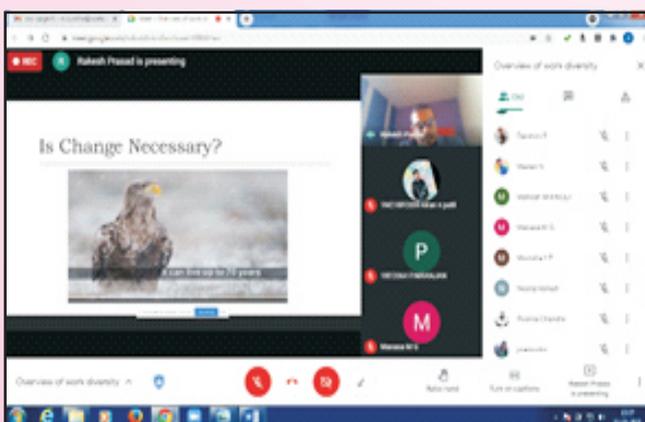


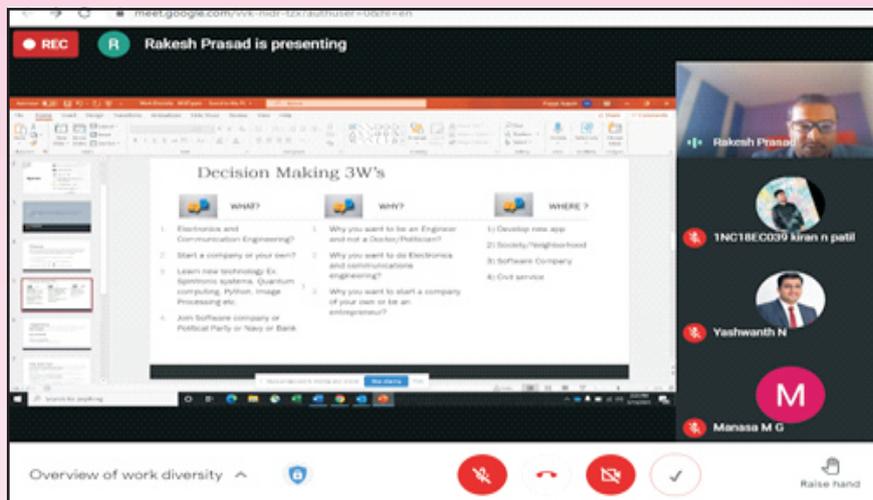
Glimpses of Webinar on “Overview of Image Denoising” held on 15/5/2021

h) Webinar on “OVERVIEW OF WORK DIVERSITY” on 15/5/2021

The session was chaired by Dr. Jitendranath Mungara, Principal, NCET, Guest speaker, Mr. Rakesh Prasad, Project/Engineering Manager, Fluke, Bangalore, Prof. Dr. Mohan Kumar S, Dean-QA, Prof. Dr. Nagesh K N, HOD-ECE, NCET, Organiser Dr.Rohith S, Associate Professor, ECE, Convener Dr. Basavaraj G M, Associate Professor, ECE, coordinators Mrs. Sunitha M (Assistant Professor, ECE) and Mrs. Manasa M G (Assistant Professor, ECE), along with other faculty members of the department and students.

Guest Speaker, Mr. Rakesh Prasad started the webinar by giving an introduction on Work Diversity. Diversity means understanding that each individual is unique and recognizing our individual differences. There can be along the dimensions of race, ethnicity, gender, socio-economic status, age, physical abilities, religious beliefs, political beliefs, or other ideologies. Total of 86 participants attended the webinar



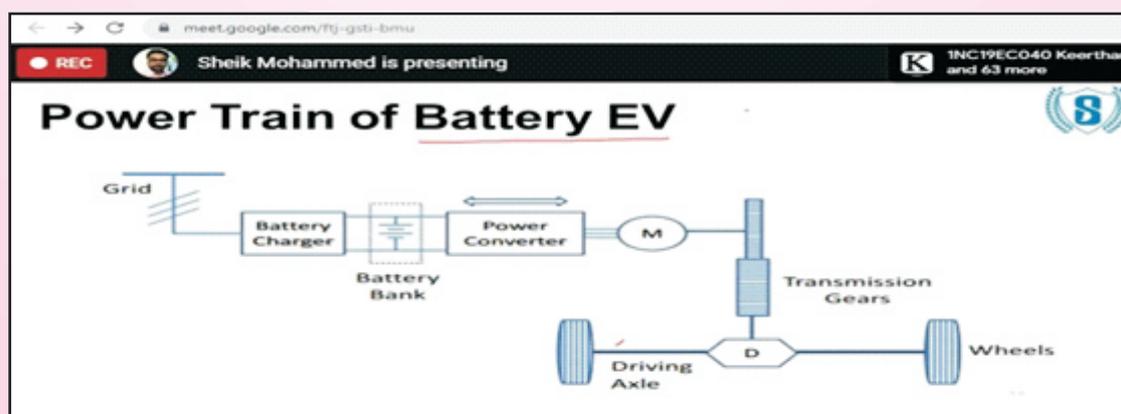
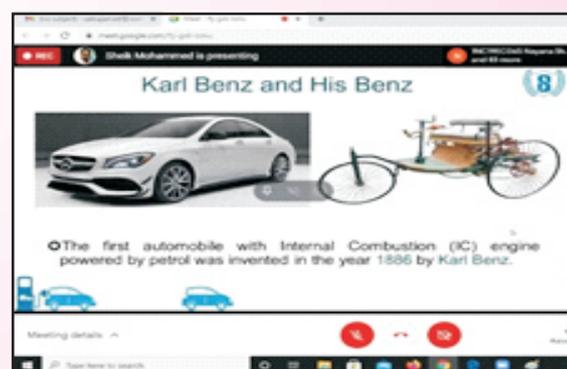


Glimpses of Webinar on “Overview of Work Diversity” held on 15/5/2021

i) Online Webinar on “INTRODUCTION TO ELECTRIC MOBILITY & DESIGN OF ELECTRIC TRI WHEELER” on 17/5/2021

The session was chaired by Dr. Jitendranath Mungara, Principal, NCET, Guest speaker, Dr. Sheik Mohammed S, Assistant Professor, TKM college of Engineering, Kerala, Prof. Dr. Mohan Kumar S, Dean-QA, Prof. Dr. Nagesh K N, HOD-ECE, NCET, Organiser Dr. Rohith S, Associate Professor, ECE, Convener Dr. H Venkatesh Kumar, Professor, ECE, coordinators Mrs. Zaiba (Assistant Professor, ECE) and Mr. Srinivasulu K N (Assistant Professor, ECE), along with other faculty members of the department and students.

Guest speaker, Dr. Sheik Mohammed S, gave a general introduction to the concept of Electric mobility & design of Tri-Wheeler. In the webinar, different types of electric vehicles, automobiles were discussed and its correlation with electronics engineering. Total of 100 participants attended the webinar.



Glimpses of Webinar on “Introduction to Electric Mobility & Design of Electric Tri Wheeler” held on 17/5/2021

AICTE ACTIVITY POINT PROGRAM



Electronics & Communication Engineering Department Organized AICTE Activity Point Program at Chickamarali Village, Chickballapur on **10th December 2021**. More than 150, 3rd, 5th and 7th semester ECE students participated for this Event. Students created Awareness about garbage disposal system and also discussed the importance about physical fitness and food preservation.



Visit for "AICTE activities point program" Organised by ECE department at beedignahalli village on 10th December 2021. Students created awareness and effectiveness of digital payment techniques in rural areas. 30 ECE students along with faculty members were visited.

FRESHERS DAY

ECE FRESHER'S DAY was celebrated on 23rd November 2021 for the batch 2020-21. The purpose of Fresher's Party is to welcome new students in a friendly atmosphere and to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college. Students of first year (batch:2020-21) Dept ECE were welcomed by the senior students.



IEEE EVENT

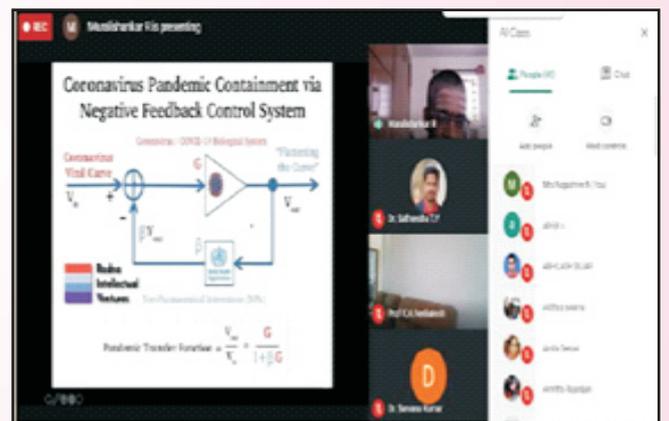
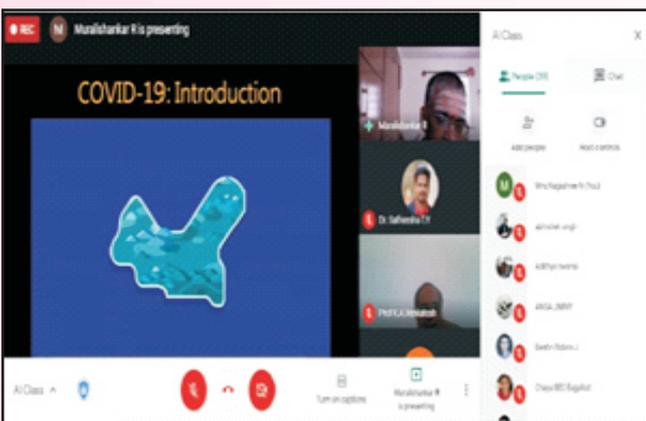
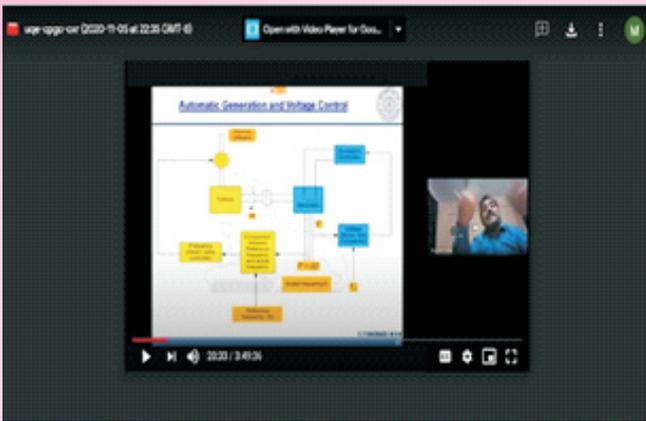
IEEE INTERNATIONAL CONFERENCE FOR INNOVATION IN TECHNOLOGY INOCON 2020, 06/11/2020 to 8/11/2020

The inaugural function of INOCON 2020 was chaired by The General Chair Dr. S G Gopala Krishna, Director, NCET, Dr Jitendranath Mungara Principal, NCET, Guest of Honor, Dr. Chanukya Kumar Jha, Vice Chair, IEEE India Council, Convener of the conference, Dr. Anitha Patil HOD Dept of ECE, CSE and ISE along with other dignitaries and committee members. This virtual opening ceremony was witnessed by dignitaries, HODs, teaching and non-teaching staff.

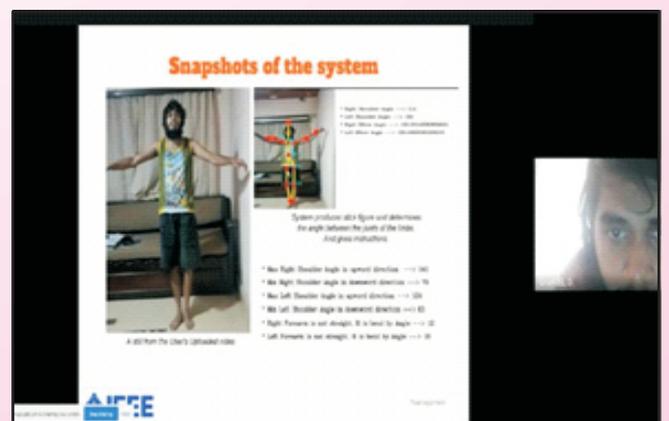
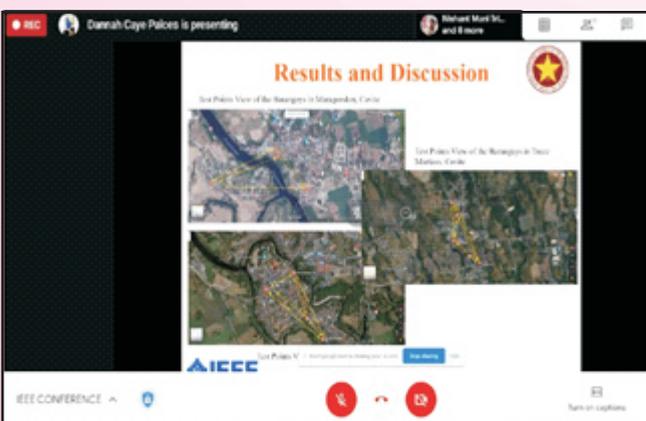


Glimpses of Inaugural function of INOCON-2020 held on 06/11/2020

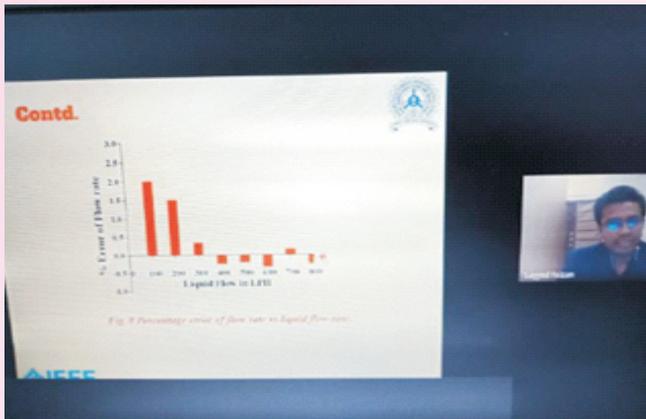
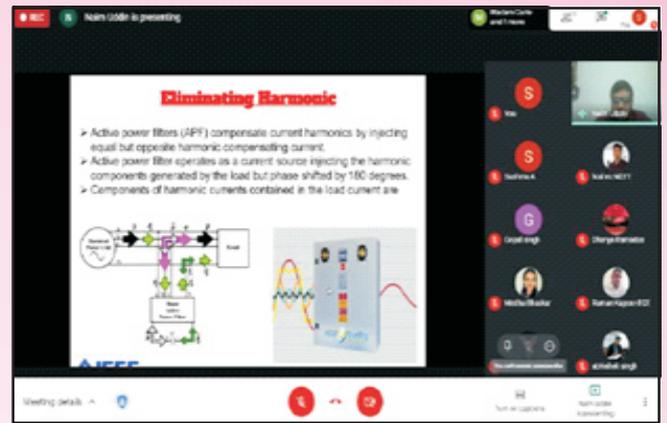
The INOCON-2020 was co-organized by Nagarjuna College of Engineering and technology technically sponsored by Institute of Electrical and Electronics Engineers (IEEE) Bangalore Section. The conference received the overwhelming responses across various countries and served as a platform for all budding researchers to innovate and collaborate their research in various domains in single platform. More than 1000 scientific papers were presented by authors from 10 countries. 7 Invited, Keynote and Tutorial Speakers from different countries addressed to audience and shared knowledge and rich experience of application of ICT in their companies and countries.



Glimpses of Virtual Paper Presentations from all sessions of INOCON-2020 held from 06/11/2020 to 08/11/2020



Glimpses of Keynote Sessions of INOCON-2020 held from 06/11/2020 to 08/11/2020



Board of Studies Meeting

BOS meeting for finalizing the scheme and syllabus for 3rd and 4th year ECE students was scheduled on 23rd April 2020. 30 participants were actively involved in BOS meeting including all the members of BOS along with BOS chairman, External BOS nominee, Industry BOS member, Dean academics, Vice-Principal, Principal and Director. BOS chairman/HOD presented the scheme of syllabus for 5th, 6th, 7th and 8th semester framed for students of ECE in the BOS meeting. The total credits per semester and scheme was framed keeping in view the guidelines of VTU and AICTE norms. The scheme of syllabus was greatly appreciated by all the members in the BOS panel.

The VTU BOS nominee **Dr. Rajesh Kumar from NMAMIT, Mangalore** enlightened the importance of core ECE subjects and their importance in the current Industry. **Industry BOS member, Mr VISHWAS J B** for Universal ELECTRONICS PVT LTD shared his views as the industry requirements should match the syllabus in the academics. He highlighted the importance of certification courses and trends in current industry. The online meeting was scheduled using ZOOM App

Zoom Meeting ID:99576086632 Link for BOS meeting:

<https://zoom.us/j/99576086632?pwd=dzZpdU9SQUFMbGRvQWw2UEwwK1ZEdz09>

Zoom Meeting ID:99576086632 Link for BOS meeting:

<https://zoom.us/j/99576086632?pwd=dzZpdU9SQUFMbGRvQWw2UEwwK1ZEdz09>

Parent Teachers Meeting

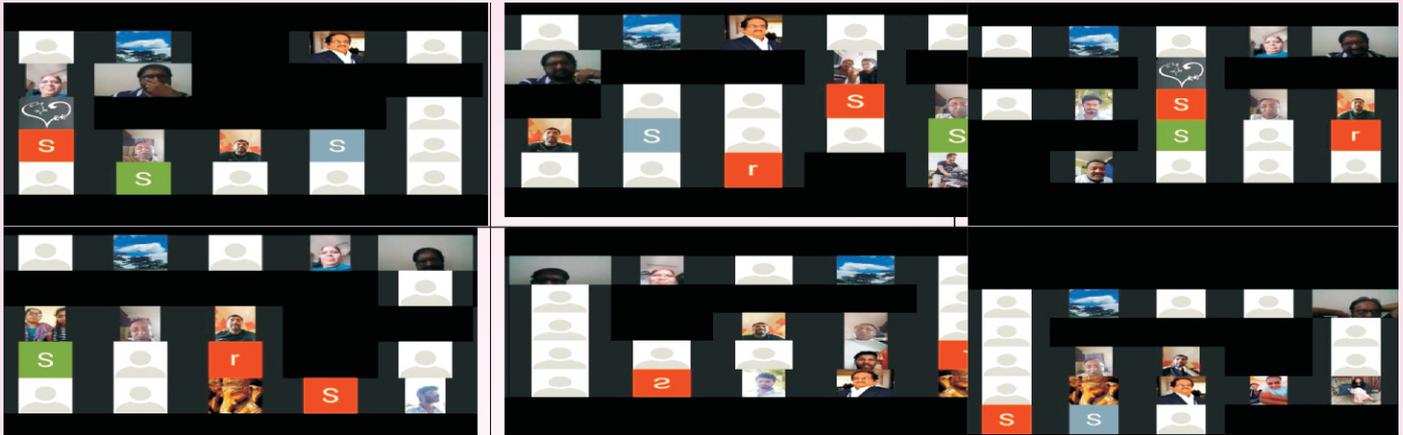
PTM-1

The **Parent Teachers Meeting (PTM)** was held in **ECE Department** on **25TH APRIL 2020** at **11:00AM** coordinated by Professor **Dr. Premjyothi Patil** and Associate professor **Mrs. Bhavya V.** 25 parents have attended the meeting, interacted with the counsellors and course teachers.

Time: Apr 25, 2020 11:00 AM India

Zoom Meeting link: <https://us04web.zoom.us/j/8012354943>

Meeting ID: 801 235 4943



Online Parent Teacher meeting Recorded video link :

<https://drive.google.com/file/d/1OwcQa4ajFkgIKF6sPHy37MFvsytVLEtf/view?usp=sharing>
https://drive.google.com/file/d/1pD_QSxyMHLgdhEgcjDTsRQrdpL8lyEuk/view?usp=sharing

PTM-2

The **ONLINE Parent Teachers Meeting (PTM)** was held in **ECE Department** on **23rd and 24th DECEMBER 2020** coordinated by Assistant Professor **Mr.Sreenivasulu K N.** Students along with their parents attended the meeting, interacted with the counsellors and course teachers. Meeting carried out at Google Meet Platform.

Meeting Details :

Online Parent Teacher Meeting _ 2nd Year Students

Date: Wednesday 23rd December 2020

Time: 1.10 pm - 3.00pm

Meeting of minutes link:

<https://drive.google.com/file/d/1QoRa7hODN60ZXivawuaseDZ6pkELVjvO/view?usp=sharing>

Online Parent Teacher Meeting- 3rd Year Students

Date: Thursday 24th December 2020

Time: 9.30 am - 12.00pm

Meeting of minutes link:

<https://drive.google.com/file/d/1Slg9kEBGPafescSNzIBTesrrsrVGDEiL/view?usp=sharing>

Online Parent Teacher Meeting- 4th Year Students

Date: Wednesday 23rd December 2020

Time: 9.30 am - 12.00pm

Meeting of minutes link:

https://drive.google.com/file/d/1dM_AlrhzdMoOnhCf6Aw1Z-Jdq-CbmJ1M/view?usp=sharing

Online PTM Recorded video Meeting link:

3SEM:

<https://drive.google.com/file/d/1OBue1Cg5xfZCoLj31urPruMDyLfELVfM/view?usp=sharing>

<https://drive.google.com/file/d/1DcnoWLR6e0E8jnrDI7kXyrR0ORQUm1dj/view?usp=sharing>

RESEARCH AND DEVELOPMENT ACTIVITIES

I. PATENT DETAILS:

Sl.No	Title of the Patent/ Patent pending number/ Patent Application number	Jurisdiction/ publication/ Indian patent journal/ field/ published date	Inventors Name/ Faculty members/ students/ Emeritus professors	Year of Application/ Grant/ Department
1	Thermal effect powered electric motor to minimize the electric consumption in the electric vehicle 2021100914	Australian Patent published on 15/02/2021	Dr. Nagesh K N	Granted on 18/04/2021 Electronics and Communication Engineering
2	Philosophising of multifunction syllogistic unit using folding tree with clock gating 202121011465	Indian Patent published on 9/04/2021	Dr.Nagesh K N, Dr.Premjyoti G patil, Dr. Rohith S, Mr. Nandakishore C V, Mr. Sreenivasulu K N	Filed on 18/03/2021 Electronics and Communication Engineering
3	Consumption and Simulation of Digital Modems 202021049607	Indian Patent published on 27/11/2020	Dr.Nagesh K N Dr.H.Venkatesh Kumar	Filed on 13/11/2020 Electronics and Communication Engineering
4	Attribute Based Discovery Architecture for Devices in Internet of Things (IoT) 202021012029	Indian Patent published on 26/6/2020	Dr. H. Venkatesh Kumar Dr.Nagesh K N,	Filed on 20/3/2020 Electronics and Communication Engineering
5	Decision Rule Based Supervised Machine Learning for Power Quality Application 202021012029	Indian Patent published on 04/03/2021	Dr.Premjyoti G patil	Filed on 21/02/2020 Electronics and Communication Engineering
6	Gaze controlled electronic iron Box 202041046240	Indian Patent published on 30/10/2020	Dr.Basavaraj G M	Filed on 23/10/2020 Electronics and Communication Engineering

7	Decentralized Data Storage and Processing Method for Automatic Wireless Network Authentication in an IOT System	Australian Patent filed on 04/06/2021. (2021103108)	Dr. Nagesh K N, Dr. Yashwanth N	Granted on 07/07/2021
8	“Intelligent System & Method for Radio Link Monitoring & Controlling In A Wireless Communication System Using IoT Technology”	Australian Patent filed on 29/08/2021. (2021106500)	Dr. Nagesh K N	Granted on 10/11/2021
9	IOT-BASED SMART HEALTH ASSESSMENT MIRROR FOR HEALTHY LIFE	Indian Patent published on 01/10/2021 (Application No: 202111041467)	Dr. Ajay Kumar Dwivedi	Indian Patent filed on 15/09/2021 (Application No: 202111041467) Communication
10	A circularly polarized Two Port MIMO Cylindrical Dielectric Resonator Antenna Device For 5G Applications	German Patent filed on 30/09/2021.	Dr. Ajay Kumar Dwivedi, Dr.Nagesh K N, Dr.H Ven katesh Kumar, Mrs. Deepthi Prakash Ms.Jyothi J, Mrs.Zaiba,	German Patent granted on 15/10/2021.
11	Decentralized Data Storage and Processing Method for Automatic Wireless Network Authentication in an IoT System (2021103108)	Australian Patent filed on 04/06/2021	Dr. Nagesh K N, Dr. Yashwanth N	Granted on 07/07/2021



II. INTERNATIONAL SCI JOURNALS:

Sl.No	Name of the Faculty	Title of the Paper	Title of the journal	SCOUPUS/ WEB OF SCIENCE	Year of Publication
1	A.K Dwivedi, Nagesh K.N	Broadband Dielectric Resonator Antenna with Dual-Frequency Circularly polarized response for WLAN and WiMAX Applications	International Journal of Circuit Theory and Applications, Wiley	SCI	Oct-21, Wiley
2	Nagesh K.N, H.Venkatesh Kumar, S A.K Dwivedi	High-Isolated WiFi-2.4 GHz/LTE MIMO Antenna for RF-Energy Harvesting Applications	AEUE - International Journal of Electronics and Communications, Elsevier	SCI	Sep-21 AEUE- Elsevier SCI Paper
3	Ajay Kumar Dwivedi,	Circularly Polarized Dielectric Resonator Based MIMO Antenna with Pattern and Polarization Diversity for Vehicular Applications	International Journal of Circuit Theory and Applications, Wiley	SCI	Jul-21, Wiley
4	Ajay Kumar Dwivedi,	Dual-Band Modified Rectangular Shaped Dielectric Resonator Antenna with Diversified Polarization Feature	International Journal of Circuit Theory and Applications, Wiley	SCI	Jul-21, Wiley
5	Dr.Nagesh K.N	UWB Multilayer Patch Antenna with EBG Structure for IEEE-C, X, Ku and K Band Applications	Wireless Personal Communications	SCI	Jun-21, Springer
6	H. Venkatesh Kumar, Dr.Nagesh K.N	Remote Controlled Reconfigurable Hexa-Band Antenna for RF-Energy Harvesting Systems is complete	International Journal of Circuit Theory and Applications, Wiley	SCI	Sep-21, Wiley
7	Dr. Ajay Kumar Dwivedi, Dr. Nagesh K.N, Dr. Venkatesh Kumar H	Two Asymmetric Cylindrical Dielectric Resonator Loaded Dual Port MIMO Antenna for Wide Band Application	International Journal of Communication	SCI	2021, Wiley

8	Dr. Ajay Kumar Dwivedi, Dr. Nagesh K.N, Mr. Mallanna SD	UWB-MIMO DGS Loaded Patch Antenna with Low Profile for Millimeter-Wave Applications	Journal of Electrical Engineering- Elektrotechnicky Casopis Q3	SCI	2021, Elektrotechnicky Casopis Q3
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III. Conferences:

SL No	Title of the paper	Name of the author	Title of the Conference	Place/Name of the College	Year of publication
1	Image Encryption and Decryption Using Key Sequence of Triple Logistic Map for Medical Applications	Dr. Rohith S	International Conference on Advances in Electronics, Computers and Communications	Reva University, Bangalore	2020
2	Detection of software intrusion based on machine learning techniques for IOT systems	Mr Sreenivasulu K N	International Conference on Research in Science, Engineering, Technology and Management (ICRSETM-2020).	Vaagdevi College of Engineering, Warangal Telangana	2020
3	An Novel Hand Gesture System for ASL using Kinet Sensor based Images	Dr. Rohith S	International Conference On Computing, Communication And Control System (I3CAC) 2021	Bharath Institute of Higher Education and Research (BIHER). Tamil Nadu	Jun 21
4	Impairment Impact on the Wireless Communication System	Souparnika Jadhav, Dr.Nagesh K.N	IEEE Sponsored 2nd Global Conference on Advancement in Technology	GCAT, IEEE	2021
5	Interfacing Robot ARM using IoT	Mrs Zaiba, Mrs Manasa M G	National Conference on Novel & Challenging Issues and Recent Innovations in Engineering and Information Sciences 2021	College of Engineering Kidangoor, Kerala	2021
6	A Miniaturized Planar Antenna with Optimized Slots and DGS for UWB Applications	Dr. Ajay Kumar Dwivedi	IEEE 8th International Conference Engineering & Telecommunication En&T — 2021	Moscow Institute of Physics and Technology	Accepted for publication in IEEE International

IV. Scopus Indexed Books and chapters :

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Year	Name of the publisher
1	Dr.Ajay Kumar Dwivedi, Nagesh K.N,	Lecture Notes in Electrical Engineering (LNEE), Springer	Dual Band, Dual Port Dielectric Resonator Based MIMO Antenna with Bi-directional Pattern Diversity using PRS	VLSI, Communication and Signal processing, Lecture Notes in Electrical Engineering (LNEE), (Springer Nature), 2021	Sep-2021	Accepted for publication in Scopus indexed springer book chapter.
2	A.K Singh, A.K Dwivedi, Nagesh K.N, V. Singh, R.S Yadav	Lecture Notes in Electrical Engineering (LNEE), Springer	Modeling and Investigation of Novel Two-Port UWB- MIMO Antenna with Enhanced Isolation	VLSI, Communication and Signal processing, Lecture Notes in Electrical Engineering (LNEE), (Springer Nature), 2021	Sep-2021	Accepted for publication in Scopus indexed springer book chapter.
3	Dr. Rohith S		Image Encryption and Decryption Using Key Sequence of Triple Logistic Map for Medical Applications	International Conference on Advances in Electronics, Computers and Communications	2020	International Conference on Advances in Electronics, Computers and Communications
4	Mr. Mallanna S D, Mr. Sreenavasa TV, Dr. Nagesh K.N, Dr. Ajay Kumar Dwivedi.	American Institute of Physics (AIP) conference proceedings	Design and Analysis of Four Port MIMO Antenna for n77 and MTI Wireless Edge 5G Applications	Scopus index proceedings	2021	Accepted for publication in Scopus index proceedings.

V. Grants received from AICTE and KSCST:

Name of the Principal Investigator	Department	Name of the Funding Agency	Type (Government/Non-Government)	Funds provided (INR in lakhs)	Month and Year of receiving the grant	Duration of the Project
Dr. Nagesh K N	ECE	AICTE	Government	389433	Aug-20	1 Year
Dr. Nagesh K N	ECE	AICTE MODROB	Government	800000	Feb-21	2 years
Sreenivasulu K N	ECE	KSCST	Government	5500	Mar-21	1 Year
Ms. Jyothi S K	ECE	KSCST	Government	5500	Mar-21	1 Year
Dr.Rohith S	ECE	AICTE ATAL FDP	Government	93000	Dec-21	1 Year

FACULTY NPTEL ACHEIVEMENTS:

ECE faculty members Dr. Basavaraj G M, Dr. Ajay Kumar Dwivedi, Dr. Rohith S, Mr. Mahesh MR Completed 12 week NPTEL online Mooc Course successfully (July- December 2021 Session)

Dr. Basavaraj G M - Digital Image Processing

Dr. Ajay Kumar Dwivedi - Microwave Theory and Techniques

Dr. Rohith- Digital Image Processing

Mr. Mahesh- Digital Image Processing

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21EE72543222046

To: AJAY KUMAR DWIVEDI
PLOT NO.59 SHANTI NAGAR FC1 ROAD
CHENNAI NARI ALANDAD
PRAYAGRAJ
LITFAE READESH - 211008
PH. NO :9410467105

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
AJAY KUMAR DWIVEDI
for successfully completing the course
Microwave Theory and Techniques
with a consolidated score of **53** %

Online Assignments	21.88/25	Proctored Exam	31.5/75
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Total number of candidates certified in this course: 88

Jul-Oct 2021
(12 week course)

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Bombay

swayam

Roll No: NPTEL21EE72543222046 To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21EE78513222662

To: ROHITH S
#385 BASAVESHWARA EXTN
VISAVAPURIA, DEVANAHALLI TQ
BANGALORE
KARNATAKA - 562135
PH. NO :9886957022

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
ROHITH S
for successfully completing the course
Digital Image Processing
with a consolidated score of **72** %

Online Assignments	22.5/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: 492

Jul-Oct 2021
(12 week course)

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL21EE78513222662 To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21EE78523222911

To: MAHESH M R
MAHESH M R S/O RAMAKRISHNAPPA H
MELUR SHIDLAKHATTA CHICKBALLAPUR-562102
CHICKBALLAPUR
KARNATAKA - 562102
PH. NO :9902825446

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
MAHESH M R
for successfully completing the course
Digital Image Processing
with a consolidated score of **62** %

Online Assignments	22.5/25	Proctored Exam	39/75
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Total number of candidates certified in this course: 492

Jul-Oct 2021
(12 week course)

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL21EE78523222911 To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21EE78514040052

To: DR BASAVARAJ G M
NO.3, LINGI GROUP II, KINE COLONY,
WYANANGARA 4TH STAGE (HODTGANI)
MYSORE
KARNATAKA - 570018
PH. NO :994479802

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
DR BASAVARAJ G M
for successfully completing the course
Digital Image Processing
with a consolidated score of **66** %

Online Assignments	20.94/25	Proctored Exam	45/75
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Total number of candidates certified in this course: 492

Jul-Oct 2021
(12 week course)

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL21EE78514040052 To validate and check scores: <https://nptel.ac.in/noc/>

BEST PAPER AWARD:

The faculty of the ECE Department Successfully presented and received the best paper award for their work on “Design and Analysis of Four Port MIMO Antenna for n77 and MTI Wireless Edge 5G Applications” in the " American Institute of Physics (AIP) conference proceedings". Technically Sponsored by IET - Institution of Engineering and Technology”



The faculty of the ECE Department Successfully presented and received the best paper award for their work on “Interfacing Robot ARM using IoT” OF THE National Conference NCREIS'21 organized by Department of CSE on 15th and 16th July 2021 at College of Engineering ,Kerala, India.

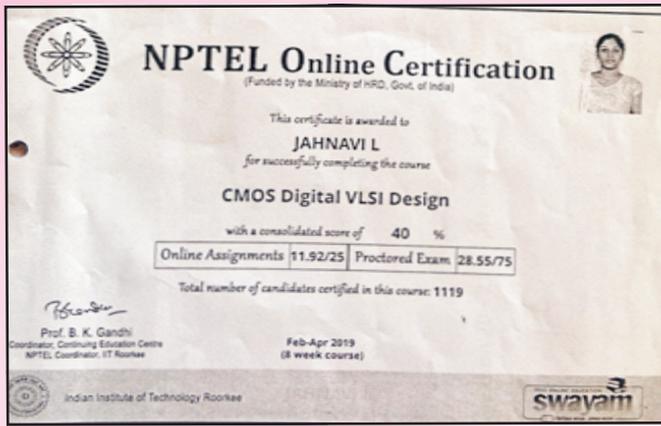


STUDENT ACHIEVEMENTS

NPTEL ONLINE CERTIFICATION:

Sl.No	Student Name	USN	Event participated	Date (DD/MM/YY)	Name Of the Organizers	Achievement /Remarks
1	PRIYANKA G S	1NC18EC067	NPTEL ONLINE CERTIFICATION	SEPTEMBER-DECEMBER 2020	IIT, Kharagpur	ELITE +Silver
2	RAMYA HOLLAR	1NC18EC073	NPTEL ONLINE CERTIFICATION	SEPTEMBER-DECEMBER 2020	IIT, Kharagpur	ELITE +Silver
3	PRUTHVI D	1NC17EC064	NPTEL ONLINE CERTIFICATION	Sep- Nov 2020	IIT, MADRAS	ELITE
4	AISHWARYA B K	1NC17EC004	NPTEL ONLINE CERTIFICATION	Feb –April 2019	IIT, ROORKEE	Successfully completed
5	JAHNAVI L	1NC17EC039	NPTEL ONLINE CERTIFICATION	Feb –April 2019	IIT, ROORKEE	Successfully completed





BEST PROJECT AWARD:

Project work carried out by students of ECE Department NEHA V, SURABHI G, SANDESH Y M, SAGAR KUMAR H S guided by Dr.H Venkatesh Kumar, Professor, Department of ECE for the project entitled by TRACKING THE AIRCRAFT USING SDR WITH AN ANTENNA has been awarded the BEST PROJECT AWARD IN THE 5TH NATIONAL LEVEL IEEE PROJECT COMPETITION-2021 organized by IEEE student branch GSSSIETW in association with IEEE Bangalore Section on 26th June 2021.



Pencil Sketch & Paintings by EC Students

PENCIL SKETCH BY LIKHITHA M R INC17EC047 (8th semester)



PENCIL SKETCH BY Rachana D R INC19EC077 (4th semester)



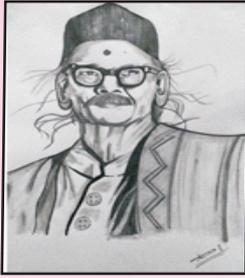
PENCIL SKETCH BY SWARNALI DAS INC18EC090 (6th semester)



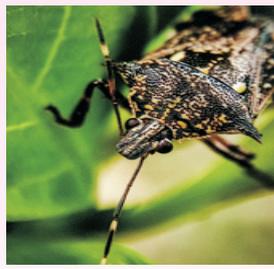
PENCIL SKETCH BY MONICA A INC19EC059 (4th semester)



PAINITING BY ARCHANA S INC19EC009 (5th semester)



PHOTOGRAPHY BY DEEPAK GOWDA INC19EC025 (5th semester)



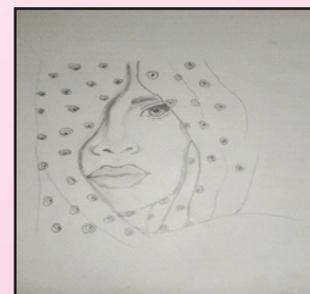
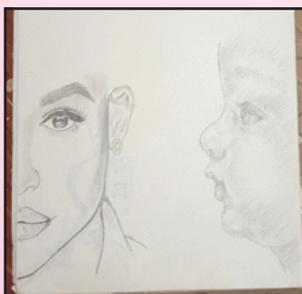
PENCIL SKETCH BY MEGHAN INC17EC403 (7th semster)



PENCIL SKETCH BY VAISHNAVI M INC19EC095 (5th semester)



Pencil Sketch by MANASA HR INC19EC050 (5th Semester)



What is the meaning of life?
Is it just walking on a knife!
Success comes after pain.
Else all the hardwork goes in vain.
Time doesn't stop for anyone
Hurdles are many, not just one.
As calm as the sea
As restless as the tides
The choice is to be done
Belief in self can be broken by none.
- Jyothi. J

Poetry by Ms. Jyothi J, Faculty, Dept of ECE

ಹೊದ ವರ್ಷ ಹುಡುಗಿಯರು ಹೇಚುತ್ತಿದ್ದರು ಹುಡುಗರಿಗೆ
ಮಾಸ್ಕ್ ಹಾಕಿಕೊಳ್ಳಿ ಎಂದು....
ಹೊದ ವರ್ಷ ಹುಡುಗಿಯರು ಹೇಚುತ್ತಿದ್ದರು ಹುಡುಗರಿಗೆ
ಮಾಸ್ಕ್ ಹಾಕಿಕೊಳ್ಳಿ ಎಂದು....
ಬಂದಿರೋದು "ಕರೋನಾ" ಅಲ್ಲಾ "ಕರೋನ" ಎಂದು...
ಈ ವರ್ಷ ಹುಡುಗರು ಹೇಚುತ್ತಿದ್ದಾರೆ ಹುಡುಗಿಯರಿಗೆ ಮಾಸ್ಕ್ ಹಾಕಿಕೊಳ್ಳಿ ಎಂದು...
ಈ ವರ್ಷ ಹುಡುಗರು ಹೇಚುತ್ತಿದ್ದಾರೆ ಹುಡುಗಿಯರಿಗೆ ಮಾಸ್ಕ್ ಹಾಕಿಕೊಳ್ಳಿ ಎಂದು...
ಬಂದಿರೋದು "ಅಮೀರ್ ಖಾನ್" ಅಲ್ಲಾ "ಓಮಿಕ್ರಾನ್" ಎಂದು....

Poetry by Mr. Mallanna S.D., Faculty Dept of ECE

SPORTS



Nagarjuna College of Engineering and Technology, Bengaluru, Faculty Team won Inter Collegiate PES University cricket tournament 2020. Most of the faculty members from the winning team were from Dept. Of ECE.





Nagarjuna College of Engineering and Technology, Bengaluru bagged WINNERS Trophy in the BADMINTON Tournament held at B.M.S.C.E Bengaluru. Dr.Nagesh K N, Prof &HoD, Dept of ECE played the vital role in bagging the trophy for NCET.



Nagarjuna College of Engineering and Technology, Bengaluru bagged Runner up Trophy in the BADMINTON Tournament held at PES University, Bengaluru. Dr.Nagesh K N, Prof & HoD, Dept of ECE & other faculty members participated and was a part of Runners Up team.

PLACED STUDENTS EC 2020-2021



Cognizant



Name: D. Brijesh Kumar Reddy
USN : INC17EC021
Name of the Company : CTS
Designation : Programmer Analyst Trainee



Name: Dhanush
USN : INC17EC022
Name of the Company : CTS
Designation : Programmer Analyst Trainee



Name: Ganesh B
USN : INC17EC030
Name of the Company : CTS
Designation : Programmer Analyst Trainee



Name: Jonathan Adams
USN : INC17EC044
Name of the Company : CTS
Designation : Programmer Analyst Trainee



Name: Neeraj Venkat
USN : INC17EC056
Name of the Company : CTS
Designation : Programmer Analyst Trainee



Name: Rohit Kishn
USN : INC17EC068
Name of the Company: CTS
Designation: Programmer Analyst Trainee



Name: Roopa SR
USN : INC17EC069
Name of the Company: CTS
Designation: Programmer Analyst Trainee



Name: G Sai Roshan
USN : INC17EC072
Name of the Company: CTS
Designation: Programmer Analyst Trainee



Cognizant



Name: Surabhi G
USN : INC17EC082
Name of the Company: CTS
Designation: Programmer Analyst Trainee



Name: Vishnupriya A
USN : INC17EC087
Name of the Company: CTS
Designation: Programmer Analyst Trainee



Name: APOORVA G K
USN: INC17EC007
Name of the Company: SONATA
Designation: Trainee- Analyst Software Engineer



Name: HARSHITHA C
USN: INC17EC038
Name of the Company: SONATA
Designation: Trainee - Analyst Software Engineer



Name : Rohit Kishan
USN: INC17EC068
Name of the Company: TCS
Designation: Software Engineer



Name : Jahnvi L
USN: INC17EC068
Name of the Company: Pozibility Technologies
Designation: DFT Engineer



Name : Gavini Pranathi
USN: INC17EC032
Name of the Company: Pink Klik
Designation: Customer Support Associate

Tech Mahindra



Name: SHIVALATHA M S
USN: INC17EC078
Company: Tech Mahindra
Designation: Customer Support Associate



Name: MANDLE VENEESHA
USN: INC17EC048
Company: Tech Mahindra
Designation: Customer Support Associate



Name: NIHARIKA G
USN: INC17EC031
Company: Tech Mahindra
Designation: Customer Support Associate



Name: SUSHMA H D
USN: INC17EC084
Company: Tech Mahindra
Designation: Customer Support Associate



Name: APOORVA G K
USN: INC17EC007
Company: Tech Mahindra
Designation: Customer Support Associate



Name: JAHNAVI L
USN: INC17EC039
Company: Tech Mahindra
Designation: Customer Support Associate



Name: LIKHITHA MR
USN: INC17EC047
Company: Tech Mahindra
Designation: Customer Support Associate



Name: ADIKE VIJAYALAXMI
USN: INC17EC003
Company: Tech Mahindra
Designation: Customer Support Associate



Name: AISHWARYA B K
USN: INC17EC004
Company: Tech Mahindra
Designation: Customer Support Associate



Name: POORNIMA N
USN: INC17EC063
Company: Tech Mahindra
Designation: Customer Support Associate



Name: THANUSHREE M
USN:INC17EC086
Company: Tech Mahindra
Designation: Customer Support Associate



Name: PALAK MEHRA
USN:INC19EC400
Company: Tech Mahindra
Designation: Customer Support Associate



Name: B HANUMANTH REDDY
USN:INC17EC010
Company: Tech Mahindra
Designation: Customer Support Associate



Name: P SAI KUMAR
USN:1NC17EC061
Company: Tech Mahindra
Designation: Customer Support Associate



Name: JAHNAVI L
USN:INC17EC039
Company: Pozibility technologies
Designation: DFT Engineer



Name: NV KAUSHAL
USN: INC17EC055
Company: Envision



Name: AISHWARYA B K
USN: INC17EC004
Company: Capgemini
Designation: Systems Engineer



Name: YASHAS REDDY
USN: 1NC17EC088
Company: Neosoft Technologies
Designation: Trainee Software Engineer



Name: BUGGANA PARAMESH REDDY
USN: 1NC17EC015
Company: TCS
Designation: Software Engineer



Name: ADIKE VIJAYALAXMI
USN:INC17EC003
Company: DXC Technology
Designation: Associate Professional



Name: MOHAMMED IYAZ
USN:1NC17EC051
Company: DXC Technology
Designation: Associate Professional



Name: SAGAR KUMAR H S
 USN:1nc17ec070
 Company: DXC Technology
 Designation: Associate Professional



Name: POORNIMA N
 USN: 1NC17EC063
 Company: DXC Technology
 Designation: Associate Professional



Name: MOHAMMED SHOUIAB
 USN:1NC17EC052
 Company: DXC Technology
 Designation: Associate Professional



Name: NEHA V
 USN: INC17EC057
 Company: Accenture
 Designation: Application Development Associate



Name: YASSAM CHARITHA
 USN: INC17EC089
 Company: Accenture
 Designation: Application Development Associate



Name: HARSHITHA
 USN: INC17EC038
 Company: Infosys
 Designation: Systems Engineer



Name: NEHA V
 USN: INC17EC057
 Company: Infosys
 Designation: Systems Engineer



Name: MONISHA Y P
 USN:INC17EC054
 Company: Infosys
 Designation: Systems Engineer



Name: MANDLE VENEESHA
 USN:INC17EC048
 Company: Infosys
 Designation: Systems Engineer

