ESOTERIC

Newsletter

Group of People with Special Knowledge.....

Academic Year 2021-22

ABOUT DEPARTMENT

The S. J. P. N Trust's, Hirasugar Institute of Technology, Nidasoshi was established in the Year 1996 with Electronics & Communication Engineering department as one among the five disciplines of Engineering to produce quality engineers in the field of Electronics and Communication under the divine spirit of his holiness Sriman Niranjan Pranava Swarupi Jagadguru Pancham Sri Shivalingeshwar Maha Swamiji Siddha Sounsthan Math Nidasoshi, president of S. J .P. N. Trust. Over 200 plus students are being educated in the highly qualified learning atmosphere which has an investment of about 1.06 Crore rupees and for advanced tomorrow 2.16 lakh rupees investment has been planned to develop sophisticated learning environment.

The Department is having well experienced, qualified staff having good knowledge of both industry and academics and Staffs are attending various seminars & workshops regularly to upgrade themselves in different fields. The department is having association of students & staff called ECSA (Electronics and Communication Students & Staff Association). The sole purpose of association is to bring out the hidden talents of students, technical & non- technical, by organizing different department level activities.

The department has a library with about 821 well stacked books. Students counseling is conducted and student's performance in I.A. test as well as attendance status is intimated to their parents for the purpose of monitoring.

BLESSINGS FROM MAHASWAMIJI

PRESIDENT
S.J.P.N. TRUST, NIDASOSHI

'ಜಾಗತೀಕರಣ' ಇಂದು ವಿಶ್ವದ ಬಹುದೊಡ್ಡ ಬೆಳವಣಿಗೆಯಾಗಿದೆ. ಹಾಗಾಗಿ ಇದರ ಗುರಿಗಂತವ್ಯಗಳನ್ನರಿತು ವಿದ್ಯಾರ್ಥಿಗಳು ಸಾಗಬೇಕಾಗಿದೆ. ಈ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ನಮ್ಮ ಟ್ರಸ್ಟಿನ ಹಿರಾಶುಗರ ಇಂಜಿನೀಯರಿಂಗ ಮಹಾವಿದ್ಯಾಲಯದ ವಿದ್ಯಾರ್ಥಿಗಳು ಗುರಿಯನ್ನು ದಟ್ಟವಾಗಿಸಿಕೊಂಡು ಪ್ರತಿಭೆಗಳಲ್ಲಿ ಮೆಲುಗ್ಗೆ ಸಾಧಿಸುತ್ತಿರುವುದು ಹೆಮ್ಮೆ ಎನಿಸಿದೆ. ವಿಶೇಷವಾಗಿ ವಿದ್ಯುನ್ಮಾನ ಮತ್ತು ಸಂಪರ್ಕ ವಿಭಾಗದ ವಿದ್ಯಾರ್ಥಿಗಳ ಸಾಧನೆ ಅಚ್ಚರಿ ಪಡುವಂತಹದೇ ಆಗಿದೆ. "ವಿದ್ಯಾರ್ಥಿಗಳ ಸಾಧನೆಯೇ ಸಂಸ್ಥೆಯ ಅಭಿವೃದ್ಧಿ" ಈ ನೋಟವಾಗಿ ಸ್ಮರಣ ಸಂಚಿಕೆ ಹೊರಬರುತ್ತಿರುವುದು ಸಂತೋಷದ ಸಂಗತಿ. ಮತ್ತಷ್ಟು-ಮತ್ತಷ್ಟು ವಿದ್ಯಾರ್ಥಿಗಳು ಜ್ಞಾನ ಹೊಂದಿ "ವಿಶ್ವದ ನಿರ್ಮಾತೃಗಳು' ಎಂಬ ಭಾಷೆಗೆ ಭಾಷ್ಯೆ ಬರೆಯಲಿ; ಈ ಬಗೆಯಲ್ಲಿ ಶ್ರಮಿಸುವ ಹೆಚ್ಚಿನ ಶಕ್ತಿಯನ್ನು ಶ್ರೀ ದುರದುಂಡೀಶ್ವರರು ಎಲ್ಲ ಗುರು ವರ್ಗಕ್ಕೆ ನೀಡಲೆಂದು ಆಶಿಸುತ್ತೇವೆ.

ಶ್ರೀಮನ್ ನಿರಂಜನ ಜಗದ್ಗುರು ಪಂಚಮ ಶ್ರೀ ಶಿವಲಿಂಗೇಶ್ವರ ಮಹಾಸ್ವಾಮೀಜಿ ಸಿದ್ಧಸಂಸ್ಥಾನಮಠ, ನಿಡಸೋಸಿ ಮತ್ತು ಅಧ್ಯಕ್ಷರು, ಎಸ್.ಜೆ.ಪಿ.ಎನ್. ಟ್ರಸ್ಟ

DEPARTMENT VISION

"To be the centre of excellence in providing education in the field of Electronics and Communication Engineering to produce technically competent and socially responsible engineering graduates"

DEPARTMENT MISSION

"Educating students to prepare them for professional competencies in the broader areas of the Electronics and Communication Engineering field by inculcating analytical skills, research abilities and encouraging culture of continuous learning for solving real time problems using modern tools"

PEO'S

PEO 1:

Acquire core competence in Applied Science, Mathematics, and Electronics and Communication Engineering fundamentals to excel in professional carrier and higher study.

PEO 2:

Design, Demonstrate and Analyze the Electronic Systems which are useful to society.

PEO 3:

Maintain Professional and Ethical values, Employability skills, Multi disciplinary approach and an Ability to realize Engineering issues to broader social contest by engaging in lifelong learning.

FROM PRINCIPAL'S DESK

PRINCIPAL
H.I.T. NIDASOSHI

"I am delighted to know that department of Electronics and Communication of HSIT is coming out with its 13th volume of Department News Letter "ESOTERIC". I hope and trust the News letter does the wonderful job of projecting accurately every worthy event and achievement of HSIT Nidasoshi. It necessarily provides all the information that is awaited by stake holders.

I take this opportunity to assure all the students bright future and quality campus life. I also thank and congratulate the creative and enthusiastic editorial team for their sincere and dedicated efforts in bringing out this News letter."

Dr. S. C. Kamate
Principal

FROM HOD DESK

I am happy to know that our Electronics and Communication Engineering department is coming out with its 13ᵗʰ volume of department's News Letter "ESOTERIC". I hope and assure that the Newsletter does the wonderful job of projecting every worthy department events accurately and achievements of H.I.T Nidasoshi. It necessarily provides all the information that is awaited by all who cherish Hirasugar Institute of Technology.

I take this opportunity to promise all the students bright future and quality campus stay life. I also thank and congratulate the creative and enthusiastic editorial board for their sincere and dedicated efforts in bringing out this News letter.

Dr. R. R. Maggavi
HOD, ECE, HSIT, NIDASOSHI

FACULTY MEMBERS

NAME	DESIGNATION	EXPERIENCE	QUALIFICATION
Dr. S. B. Akkole	Associate Professor	27	Ph. D
Dr. R. R. Maggavi	HOD & Associate Professor	18	Ph. D
Prof. S. S. Kamate	Assistant Professor	19	M. Tech (Ph. D)
Prof. S. S. Malaj	Assistant Professor	25	M. Tech
Prof. S. S. Patil	Assistant Professor	18	M. Tech
Prof. D. M. Kumbhar	Assistant Professor	23	M. Tech
Prof. D. B. Madihalli	Assistant Professor	15	M. Tech
Prof. P. V. Patil	Assistant Professor	10	M. Tech
Prof. S. S. Ittannavar	Assistant Professor	09	M. Tech (Ph. D)
Prof. B. P. Khot	Assistant Professor	06	M. Tech

TECHNICAL SUPPORTING STAFF

NAME	DESIGNATION	EXPERIENCE	QUALIFICATION
Shri. P. S. Desai	Foreman	26	DEC
Shri. V. V. Guruvadeyar	Instructor	26	DEC
Shri. M. A. Attar	Instructor	19	DEC

MINISTERIAL STAFF

NAME	DESIGNATION	EXPERIENCE	QUALIFICATION
Shri. B. D. Gurav	Helper	26	S. S. L. C
Shri. C. S. Sooji	Helper	24	S. S. L. C

DEPARTMENT TOPPERS OF THE ACADEMIC YEAR 2021-22

Rank	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem
First	MISS. SHRUTI MAGADUM 84.56%	MISS. SAMMRUDHI KULKARNI 75.11%	BHAGYASHREE MADIHALLI 88.11%	KALLAPPA CHIKODI 85.25%	MISS. LAXMI BADIGER, MISS. PRIYA KADAKOL & MISS. SHREELAXMI BELAVI 88.37%	MISS. SHREELAXMI BELAVI 93.20%
Second	MR. OMKAR IRAPPANNAVAR 81%	MR. OMKAR IRAPPANNAVAR 74.44%	SHRADDHA ALAGOUDA 87.22%	ANKET CHOUGALA 84.25%	MISS. NILEEMA NAIK 87.87%	MISS. ROOPA DESAI 93%
Third	MISS. MADHUJA KHOT & MISS. SAMMRUDHI KULKARNI 80.78%	MISS. SHRUTI MAGADUM 73.67%	MR. MARUTI MAGADUM 86.34%	SHRADDHA ALAGOUDA 83.5%	MISS. ROOPA DESAI 87.12%	MISS. LAXMI BADIGER 92.80%

STUDENTS ACHIEVEMENT IN EVENTS

Sl. No.	Name of the event	Participants Name	Venue	Date	Prize	National/ State/ Inter College Level
1	Aavishkaar 2022	Rakesh Madabhavi	Vishwanathrao Deshpande Institute of Technology, Haliyal	11th June 2022	Second	Inter College Level
2	Quiz Competition	Akshata Patil	KLE College of Engineering and Technology,Chikodi	12th to 19th June 2020	Participant	National
3	Webinar- CAD Tools for VLSI Design	Sunita Karabasannavar	VSM's Institute of Technology, Nipani	13th June 2020	Participant	National
4	JOSH Scholarship Test	Sunita Karabasannavar	Ethnus Group	17th June 2020	Participant	National
5	Webinar- An Introduction and overview of AWS Cloud Computing	Sunita Karabasannavar	Vemana Institute of Technology, Banagalore	24th June 2020	Participant	National
6	Webinar- Trends in VLSI Design & Cloud Computing	Sunita Karabasannavar	B.L.D.E.A.A's P.G.Halakatti College of Engg and Tech,Vijayapur	03rd and 04th July 2020	Participant	Institute
7	Webinar- Hands on with GITHub API	Sunita Karabasannavar	GitHub	07th July 2020	Participant	Institute
8	Workshop on Android App Development without Coding	Sunita Karabasannavar	Jain College of Engineering and Tech,Belagavi	13th to 17th July 2020	Participant	Institute

STUDENTS ACHIEVEMENT IN TECHNICAL EVENT FROM 2020-21

Sl. No.	Name of the event	Participants Name	Venue	Date	Prize	National/ State/ Inter College Level
1	Innvation 2K20 Paper Presentation	Kavita Patil	Sharad Institute of Technology, College of Egineering,Yadrav	10th March 2020	Participant	National
2	Innvation 2K20 Paper Presentation	Aishwarya Patil	Sharad Institute of Technology,College of Egineering,Yadrav	10th March 2020	Participant	National
3	Innvation 2K20 Paper Presentation	Gangadhar Girgave	Sharad Institute of Technology,College of Egineering,Yadrav	10th March 2020	Participant	National
4	Innvation 2K20 Paper Presentation	Veenashri Borgalli	Sharad Institute of Technology,College of Egineering,Yadrav	10th March 2020	Participant	National
5	Innvation 2K20 Paper Presentation	Akshay Pawar	Sharad Institute of Technology,College of Egineering,Yadrav	10th March 2020	Participant	National
6	Innvation 2K20 Paper Presentation	Chaitra Veerakathmath	Sharad Institute of Technology,College of Egineering,Yadrav	10th March 2020	Participant	National
7	Innovation 2K20	Sunita Karabasannavar	Sharad Institute of Technology,College of Egineering,Yadrav	10th March 2020	Participant	National
8	TechGig C Beginner Skill Test	Akshata Patil	TimesJobs and TechGig	20th April 2020	Participant	National

DETAILS OF INDUSTRIAL TRAINING UNDERGONE IN THE ACADEMIC YEAR 2021-22

SL. NO.	NAME OF THE STUDENT	NAME OF THE UNDERGONE INTERNSHIP COMPANY	INTERNSHIP/SUMMER TRAINING PERIOD
1	Akshay Salagare	FUEL Futute skill Institute, Hubli.	22/08/2022 To 21/09/2022
2	Bhagyashree D Madihalli		
3	Harshita A Goudadi		
4	Kallappa Ningappa Chikodi		
5	Laxmi Raju Bedage		
6	Maruti A Magadum		
7	Priyanka S Dattawade		
8	Rakesh Sidaray Madabhavi		
9	Ravi R Marennavar		
10	Sahana P Mangaloorkar		
11	Shraddha Alagouda		
12	Siddarth R Patil		
13	Sneha S Patil		
14	Soujanya R Madabhavi		
15	Surabhi S Maradi		
16	Swapna Jirale		
17	Swati I Katageri		
18	Swati S Bhiste		
19	Hanamanta Soolibhvi		
20	Vijayakumar N Policepatil		
21	Apoorva Magadum	AMSA Embedded Solution, Vidyanagar, Hubli.	22/08/2022 To 21/09/2022
22	Divya Karigar		
23	Ganesh Managuli		
24	Nikita Hattarki		
25	Ronit Patil		
26	Rutuja Shetti	Technophilia, Vishrambag, Sangali.	22/08/2022 To 21/09/2022
27	Snehal Patil		
28	Anket Chougala	Seventh Sense Talent Solutions, Bangalore.	24/08/2022 To 23/09/2022
29	Priyanka S Pujar	Tech Fortune Technologies, Vijayanagar, Bengaluru.	22/08/2022 To 21/09/2022

DEPARTMENT ACTIVITIES FOR THE ACADEMIC YEAR 2021-22

Sl. No.	Name of the Event	Resource Person	Event Coordinators	Date
01	Webinar on "Psychological Impact of COVID-19 and Ways to Overcome"	Dr. Jyothi Vijayakumar, Professor & Head, Dept. of Medicine A.M.Shaikh Homoeophathic Medical College, Belagavi	Dr. R. R. Maggavi Prof. D. B. Madihalli	03/07/2021
02	Webinar on " Project Management & Accounting"	Mrs. Rajeshwari Adahalli, Lecturer, Commerce College, SJPN PU College, Nidasoshi	Prof. S. S.Malaj	13/07/2021
03	Lecture on "Pedagogical Initiatives"	Prof. S. B. Akkole	Prof. S. B. Akkole Prof. D. B. Madihalli	30/09/2021
04	Technical Talk on " Deep Learning & Its Applications"	Dr. Mahadevaswamy Assistant Professor VVCE, Mysore	Prof. D. B. Madihalli Prof. S. S. Ittannavar Prof. B. P. Khot	29/10/2021
05	Robotics & Automation	Mr. Neelesh Chougule, Chairman & Managing Director, Creintors Group Of Companies, Belagavi Miss. Disha N. Chougale Director Creintors Group Of Companies, Belagavi	Dr. R. R. Maggavi Prof. D. M. Kumbhar	17/11/2021
06	Workshop on "IOT and Arduino IDE"	Mr. Vinayak R. Dhongadi Co-founder, AMSA Embedded Solutions, Hubli Mr. Rajesh P. Chavan R&D Engineer, AMSA Embedded Solutions, Hubli	Prof. S. S. Kamate Prof. D. B. Madihalli Prof. S. S. Ittannavar	16/12/2021 to 18/12/2021
07	Workshop on "PCB Design & Testing"	Mr. Tulasidas Salunke Electrosal High Tech. Pvt. Ltd, Nippani	Prof. S. S. Malaj Prof. D. M. Kumbhar Prof. S. S. Patil	16/12/2021 to 19/12/2021

FACULTY DEVELOPMENT INITIATIVES 2021-22

Sl. No	Name of the Faculty	Name of the Workshop/ Short term Course Attended	Venue	Date
1	Dr. R. R.Maggavi	Online AICTE/ISTE sponsored induction /refresher program on" Recent Trends of Artificial Intelligence for 5G Communication ".	Department of ECE, AITM Belagavi	04/01/2022 to 10/01/2022
2	Prof.S.S.Malaj	FDP on "5G Technology"	BMS College of Engineering, Bangalore	23/08/2021 to 27/08/2021
3	Prof.S.S.Malaj	FDP on "Software Engineering & Testing Methodologies"	Hirasugar Institute of Technology, Nidasoshi	16/03/2022 to 19/03/2022
4	Prof. S. S.Kamate	FDP on "Software Engineering & Testing Methodologies"	Hirasugar Institute of Technology, Nidasoshi	16/03/2022 to 19/03/2022
5	Prof. D. M. Kumbhar	FDP on "Software Engineering & Testing Methodologies"	Hirasugar Institute of Technology, Nidasoshi	16/03/2022 to 19/03/2022
6	Prof. Sachin S Patil	FDP on "Software Engineering & Testing Methodologies"	Hirasugar Institute of Technology, Nidasoshi	16/03/2022 to 19/03/2022
7	Prof. D. B. Madihalli	FDP on "Software Engineering & Testing Methodologies"	Hirasugar Institute of Technology, Nidasoshi	16/03/2022 to 19/03/2022
8	Prof.P.V.Patil	FDP on "Software Engineering & Testing Methodologies"	Hirasugar Institute of Technology, Nidasoshi	16/03/2022 to 19/03/2022
9	Prof. S. S. Ittannavar	FDP on "Software Engineering & Testing Methodologies"	Hirasugar Institute of Technology, Nidasoshi	16/03/2022 to 19/03/2022
10	Prof. B. P.Khot	FDP on "Software Engineering & Testing Methodologies"	Hirasugar Institute of Technology, Nidasoshi	16/03/2022 to 19/03/2022

RESEARCH PAPERS PUBLISHED IN JOURNALS / CONFERENCE BY FACULTIES OF THE ACADEMIC YEAR 2021-22

Sl. No.	Name of the Faculty	Publication details
1	Prof. S. S. Malaj	Innovative IOT based gesture recognition and health care monitoring system for elderly and physically challenged people in Compliance Engineering Journal ,Volume 12,Issue VIII, Aug 2021.
2	Prof. S. S. Kamate	Innovative IOT based gesture recognition and health care monitoring system for elderly and physically challenged people in Compliance Engineering Journal ,Volume 12,Issue VIII, Aug 2021.
3	Prof. D. M. Kumbhar	"A smart solution for in farm complete tractor activity tracking system over cloud", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.8, Issue 10, page no.d867-d871, October-2021.
4	Prof. S. S.Patil	"A smart solution for in farm complete tractor activity tracking system over cloud", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.8, Issue 10, page no.d867-d871, October-2021.
5	Prof. D. B. Madihalli	Efficient Industry Automation with Safety Security and Monitoring the Process Through IOT, International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.8, Issue 9, page no.e807-e810, September-2021.
6	Prof. P. V. Patil	"A IOT Based Smart System To Control Air & Water Quality In Urban Areas", International Journal Of Emerging Technologies And Innovative Research (Www.Jetir.Org), Issn:2349-5162, Vol.8, Issue 10, Page No.E251-E254, October-2021
7	Prof. S. S. Ittannavar	Ittannavar, S.S., Havaldar, R.H. Detection of breast cancer using the infinite feature selection with genetic algorithm and deep neural network. *Distrib Parallel Databases*, 675–697 (2022). https://doi.org/10.1007/s10619-021-07355-w.
8	Prof. S. S. Ittannavar	S. S. Ittannavar, R. H. Havaldar, "Segmentation of Breast Masses in Mammogram Image Using Multilevel Multiobjective Electromagnetism-Like Optimization Algorithm", *BioMed Research International*, vol. 2022, Article ID 8576768, 14 pages, 2022. https://doi.org/10.1155/2022/8576768.

VGST SPONSERED PROJECTS

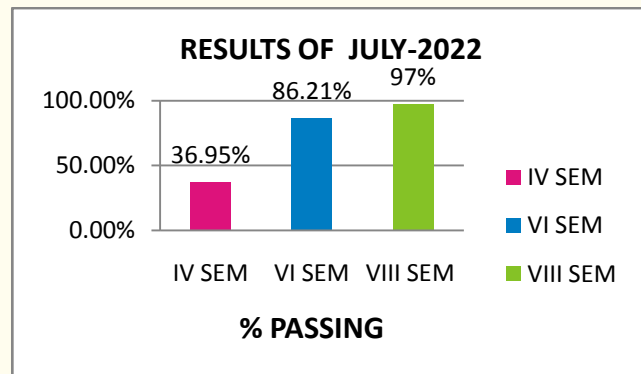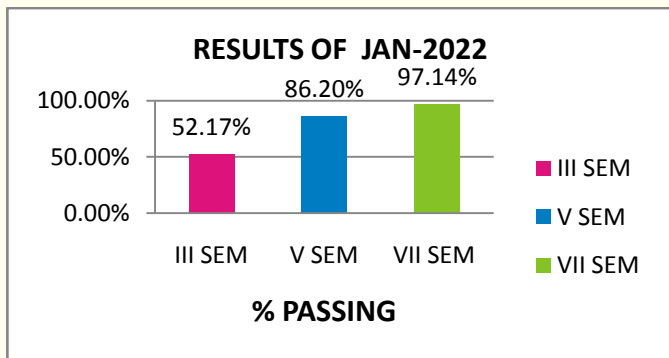| SL. NO	TITLE	Principal Investigator	AMOUNT IN RS	SPONSERED BY	DATE
1	Project Title: Coplanar Capacitive Coupled Probe Fed Microstrip Antennas with and without Air Gap for UWB and Multiband Applications.	Dr. S. B Akkole	20,00,000/-	Project Sanctioned under VGST scheme	27/08/2018

KSCST SPONSERED PROJECTS FOR THE ACADEMIC YEAR 2021-22

SL. NO	TITLE	GUIDE	AMOUNT IN RS	SPONSERED BY	DATE
1	Smart Bus Alert System for Easy Navigation for Blind People	Dr. R.R. Maggavi	5000/-	KSCST, Bangalore	2021-22
2	Environment Friendly Reverse Vending Machine for Rural India	Prof. P. V. Patil	5000/-	KSCST, Bangalore	2021-22

VTU SPONSERED PROJECTS FOR THE ACADEMIC YEAR 2020-21

SL. NO	TITLE	GUIDE	AMOUNT IN RS	SPONSERED BY	DATE
1	Design and Development of Internet Enabled Consumer Energy Meter for Error Free Environment.	Prof. S B. Akkole	5000/-	VTU, Belagavi	2020-21
2	Smart Waste Segregation and Clearance System using Integrated Mobile Robotic System.	Prof. B. P. Khot	5000/-	VTU, Belagavi	2020-21

ACADEMIC EXCELLENCE

RESULTS OF JAN-2022

52.17% (III SEM), 86.20% (V SEM), 97.14% (VII SEM)

% PASSING

- III SEM
- V SEM
- VII SEM

RESULTS OF JULY-2022

36.95% (IV SEM), 86.21% (VI SEM), 97% (VIII SEM)

% PASSING

- IV SEM
- VI SEM
- VIII SEM

2018 Batch Placements
Branch: Electronics & Communication Engineering

Miss. Pooja Phatinge
1. BOSCH Global Software Technologies
2. Mind Tree
3. Wipro Limited
4. Anora Semiconductor Pvt. Ltd

Miss. Priya Kadakol
1. HCL Technologies
2. Renault Nissan Technology
3. L&T Technology
4. Infosys Limited

Miss. Laxmi Badiger
1. BOSCH Global Software Technologies
2. Tech Mahindra Limited
3. HCL Technologies

Miss. Akshata Patil
1. HCL Technologies
2. Infosys Limited
3. Wipro Limited

Miss.Ashrafi M Attar
1. Wipro Limited
2. TATA Consultancy Services Limited (TCSL).

Miss.Rutika A Kanade
1. Infosys Limited
2. Tech Mahindra Limited

Miss.Yashodha Manashetti
1. HCL Technologies
2. Qspiders, Bengaluru

Miss.Shreelaxmi Belavi
1. Examroom.AI
2. Palle Technologies
3. Qspiders, Bengaluru

Miss. Vijaylaxmi Avarade,
1. Capgemini Technology Services India Limited
2. Profound Edutech, Pune

Mr. Kiran Khadakbhavi
Wipro Limited

2018 BATCH PLACEMENTS

BRANCH: ELECTRONICS & COMMUNICATION ENGINEERING

Mr.Pavankumar Kambar
1. HCLTechnologies

Miss. Neelima Naik
1. HCL Technologies

Mr.Vinith Kanthi
1. Anora Semiconductor Pvt. Ltd

Mr.Abhishek Herage
1. Palle Technologies

Miss.Roopa Gadiwaddar
1. Qspiders, Bengaluru

Miss.Rohini Shidaraddi
1. Qspiders, Bengaluru

Mr.Mohamed T Shaikh
1.   Qspiders, Bengaluru

Miss.Veda Magennavar
1.Qspiders, Bengaluru

Miss.Netraja Patil
1.   KodNest Techonologies Pvt. Ltd.
2.   V3IT Technologies

PHOTO GALLARY

PHOTO GALLARY

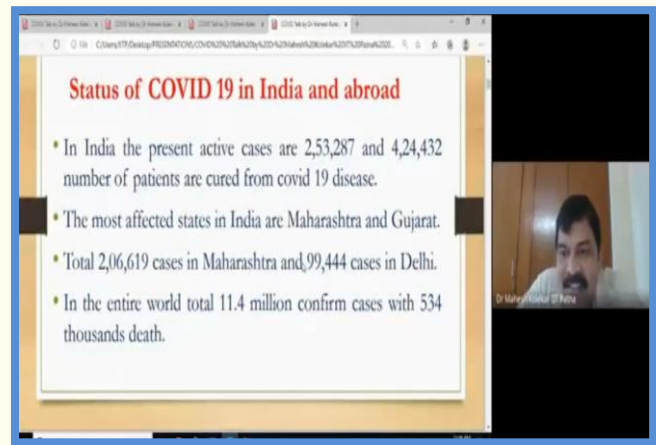# PHOTO GALLARY

PHOTO GALLARY

PHOTO GALLARY

ECSA BOARD:

- **President**

Dr. S. C. Kamate

- **Chairman**

Dr. R. R. Maggavi

- **Staff Co-ordinator**

Prof. D. M. Kumbhar

EDITORIAL BOARD:

- **Editor in Chief**

Prof. S. S. Ittannavar

- **Executive Editor**
- Dr. R. R. Maggavi

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- **Miss. Akshata Patil, VIII SEM**