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### Webinar on "A Guidance Program on Career Opportunities after B.Tech."

VELAGAPUDI RAMAKRISHNA  
SIDDHARTHA ENGINEERING COLLEGE  
(Sponsored by Siddhartha Academy of General & Technical Education)

Organized by: Electronics & Instrumentation Engineering  
Branch Specific Webinar  
(1st Year to 4th Year)

**Live Webinar**

A Guidance Program  
on Career Opportunities  
after B.Tech

Date:  
**18.06.2021**  
Time:  
10:30 am to 12 pm

Speaker:  
  
**Mr. Anand Kumar**  
B.E (Honors), M.Tech.,  
Motivational Speaker, Sr. Faculty.

In Association with  
  
**ACE**  
Engineering Academy  
Leading Institute for ESE/GATE/PSUs

www.vrsiddhartha.ac.in

Department of EIE organized a branch specific webinar on "A Guidance Program on Career Opportunities after B.Tech." in association with ACE Engineering Academy on 18<sup>th</sup> June 2021. Mr. Anand Kumar, Motivational Speaker, Sr. Faculty, ACE Engineering Academy, acted as speaker of the webinar. He has 7 years of experience in GATE/ESE domain and guided 1000's of students. Some of his students got top rank in GATE/ESE examination. He enlightened students with the knowledge of various career options and opportunities available after B.Tech. Mr. Md. Firose Shaik was the coordinator of this event.

### Workshop on "NI Certified LabVIEW Associate Developer" Certification

NI Certified LabVIEW Associate Developer (CLAD) is the first level of global certification offered by National Instruments (NI). Identifying the demand for the certified people in present industrial scenario, this workshop was conducted to train the faculty and students to prepare for the CLAD certification. We invited the resource person Mr. Esakki Raja from VI solutions, Bangalore, the training partner of National Instruments for this workshop. The Training was scheduled in two slots. First slot is from 15-02-2021 to 19-02-2021 (Offline) to provide training on fundamental concepts and the second slot is from 29-03-2021 to 03-04-2021 (Online) to provide training on advanced concepts to prepare the participants for CLAD certification. A total of twenty technical sessions were conducted to train the fifty participants in the workshop. This program was coordinated by Mr. V.N.Prudhvi Raj, Associate Professor.



50 Participants were trained in the workshop to take up CLAD certification, two students got placed in Optomech Pvt., Ltd., Hyderabad.

## Webinar on “Women Health and Safety”

Velagapudi Ramakrishna Siddhartha Engineering College  
Department of  
Electronics and Instrumentation Engineering

Join Webinar on  
**WOMEN  
HEALTH & SAFETY**

5<sup>th</sup>  
March 21  
11am

Dr. Sujatha Mathangi  
Medical Director  
Unicorpus Poly Clinic

<https://meet.google.com/mqw-hjuh-uzt>

In Association with  
Unicorpus Health Foundation, Secunderabad  
register at  
<https://forms.gle/XHvnp2V2k1TYER37>

Convener: Dr. Sumalatha Akumri, Asst. Prof.,  
Co-ordinator: Ch. Jaya Lakshmi, Asst. Prof.,  
Women Grievance & Student Welfare Cell, EIE, VRSEC

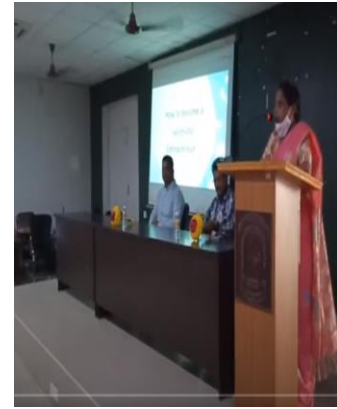
A webinar on “Women Health and Safety” is organized by Dr. A Sumalatha Incharge of Anti Ragging, Women Grievance & Student Welfare cell, Dept. of EIE, VRSEC on 5<sup>th</sup> March 2021.

Dr. Sujatha Mathangi, Medical Director, Unicorpus Poly clinic, Hyderabad has delivered a talk on several issues related to “Women Health and Safety”. Around 50 participants both girl students and women faculty from different departments have actively participated in the webinar. The session has covered some of the important issues viz. importance of taking healthy food, need of physical exercise, taking balanced nutrient food, staying hygiene, maintaining good relationships and mental peace etc.

## Guest Lecture on

## “How to become a successful Entrepreneur”

The Institution and Innovation Cell and Department of EIE jointly organized a guest talk on “How to become a successful entrepreneur” on 13<sup>th</sup> February 2021. The objective of this program was to introduce the awareness of an Entrepreneurship journey. Mr. P. Praveen Kumar Reddy, Managing Director, Kuriosity Labs, Hyderabad was the resource person for this event. He mainly addressed about the different decades of successful entrepreneurs and how they are succeeded in their entrepreneur life. Also discussed about entrepreneur journey, plan versus reality and how to survive. He answered to the questions posed by the students such as how we will start company based on idea etc. Event link: <https://youtu.be/fWsmSFYTdII>.



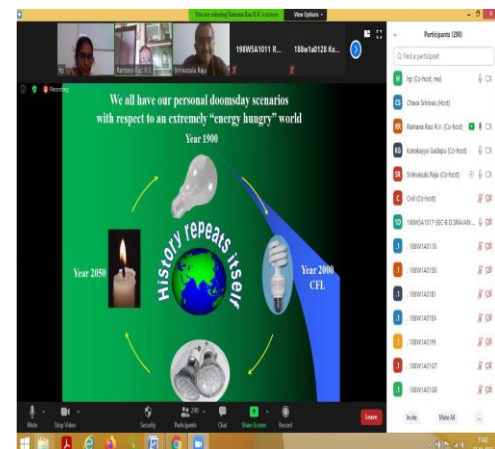
## National Girl Child Day

Department of EIE organized a rally in the premises of VRSEC on the occasion of “National Girl Child Day” on 23<sup>rd</sup> January 2021. It was started by the Ministry of Women and Child Development and the Government of India in 2008, with the purpose to spread awareness among people about all the inequalities girls face in the Indian society. National Girl Child Day 2021 is being celebrated across the country with the objective of raising awareness on the issue of declining Child Sex Ratio (CSR).II/IV and III/IV girl students of EIE actively participated in this event.



## Guest Lecture on “Clean and Green Energy”

The Department of EIE and CIVIL of VRSEC Engineering College has organized a Guest Lecture on “Clean and Green Energy” for Students under SAKSHAM-2021 celebration by Govt. Oil & Gas Companies on 27<sup>th</sup> Jan 2021. The objective of the program is to bring practicing engineers on to the campus to share their ideas and experiences with the students in the field of automation in industry. This program is helpful for the students to understand the technicalities and role of Instrumentation engineers and programming in field and making them aware of the advancements (Automation in industries). Dr.S. Srinivasulu Raju, Assistant Professor, Dept. of EIE, VRSEC invited the guest and also highlighted the importance and objectives of organizing this guest lecture.





Mr. G. Kanakayya, Chief General Manager (MS) (Retd), Visakhapatnam Steel Plant & Faculty of Petroleum Conservation Research Association (PCRA), Govt. of India, has explained the importance and role of clean and green energy concepts in detail, which have to be implemented by the industries and also in society.

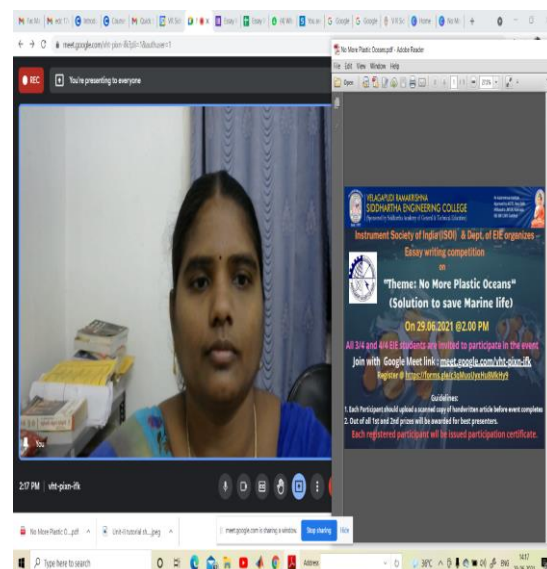
Mr. Ramana Rao has explained the Greenhouse effect in detail with lively examples and also encouraged the participates in interacting with him to resolve and clarify the doubts of EIE and CIVIL students. He also explained about the effect of energy conservation and generation on environment in detail and also presented the total installed capacity in India's powers sector. Renewable and Non-Renewable energy sources are presented well and students have cleared their doubts in renewable energy sources. All the participated students interacted with the resource person and acquired useful information regarding the green energy conservation.

### *ISOI Activities - Essay Writing Competition on "No more Plastic Oceans"*

The ISOI student chapter and Department of EIE jointly organized an essay writing competition on "**No more Plastic Oceans (Solutions to save Marine life)**" on 29<sup>th</sup> June 2021. The objective of this program was to motivate the students to encourage Swachh Bharat and awareness about marine pollution, which leads to damage to our environment.

Total 60 students from III/IV and IV/IV EIE have registered for the event, and the event was monitored through the Google meet @ <https://meet.google.com/vht-pixn-ifk>. Cheepilla Kanthi Kiran Sai (188W1A1057) of III/IV EIE was declared as winner and V Ravindra (188W5A1009) of IV/IV EIE and Ponamala Bindu Sri (188W1A1037) of III/IV EIE was declared as runner of this competition.

Mr. P.Srinivas, Assoc. Professor, Dept. of EIE and Mr. V. Naga Prudhvi Raj, Assoc. Professor, Dept. of EIE were acted as evaluators for the competition. This event was coordinated by Mrs. Ch. Jayalakshmi.

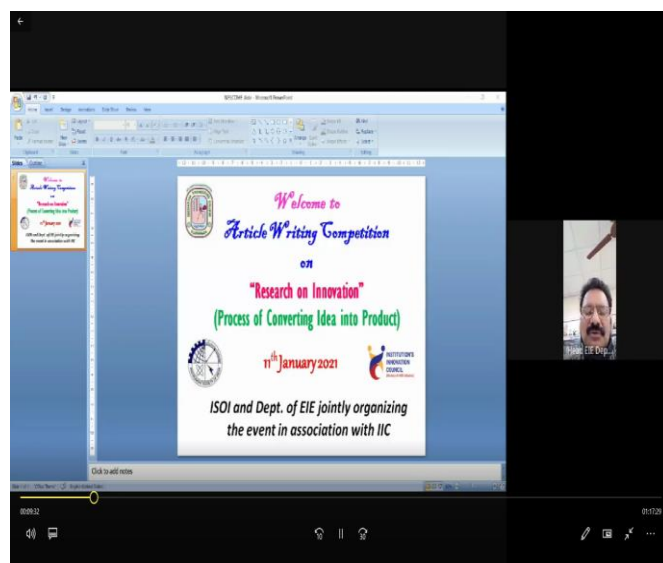


### *Article Writing Competition on "Research on Innovation"*

The ISOI student chapter and Department of EIE jointly organized an article writing competition on "**Research on Innovation (Process of converting idea to product)**" on 11<sup>th</sup> January 2021 in association with Institute Innovation Cell (IIC). The objective of this program was to motivate the students to become a good Entrepreneur.

A total of 25 students across various departments have registered for the event and presented their article in the Google meet platform. Ambatipudi Sri Aiswarya Vallika (188W1A1052) of III/IV EIE was declared as winner and Cherukuri Keerthana (188W1A1059) of III/IV EIE was declared as runner of this competition.

Dr. A. Sumalatha, Asst. Professor, Dept. of EIE acted as evaluator for the session.



## ***FACULTY ACHIEVEMENTS***

- Dr.A Sumlatha and A. Bhujanga Rao Received Best Paper Award for “Estimation of Boiler Drum Dynamics Using Nonlinear Modelling Techniques”, in international conference on Recent Developments on Materials, Reliability, Safety, and Environmental issues held at Dr. B R Ambedkar NIT Jalandhar during June 25/06/2021 to 27/06/2021.
- A certificate was awarded to Mr.V.N.Prudhvi Raj on 22<sup>nd</sup> February 2021 for serving as a reviewer for “International Journal of Imaging Systems and Technology” for reviewing 1 Manuscript in 2020.
- Dr. CSS Anupama Delivered an invited talk on “Outcome Based Education” at VRSEC on 21<sup>st</sup> January 2021.
- Mr. Md. Firose Shaik, Assistant Professor, EIE pursuing Part time Ph.D. in Vellore Institute of Technology, Vellore has submitted his thesis in the area of “WBAN Routing Protocols” on 7<sup>th</sup> January 2021.

## ***Ph.D. REGISTERED FACULTY***

- Mr.G.Jalalu registered for part time Ph.D.in Instrumentation Technology department, Andhra University College of Engineering in January 2021.

## ***FACULTY PUBLICATIONS***

### **International Journals:**

- M. Srinivas et. al., "Evaluation of structural, surface morphological and thermal properties of Ag-doped ZnO nanoparticles for antimicrobial activities", Physica E: Low-dimensional Systems and Nanostructures, Vol. 133, Issue 2021, May 2021.
- Dr.S. Srinivasulu Raju, Pandiyan P et al., “Controlling the Liquid Level of Hopper Shape Nonlinear Tank System Using PID & MPC Controller”, International Journal of Pharmaceutical research, Vol. 13, Issue 2, May 2021.
- S.Kalpna and Dr.A.Daisy Rani “Numerical Modeling of flow through the Vertical Rectangular Micro Channel For Drug Screening Applications” Journal of Physics: IOP Conference Series”, May 2021.
- Dr. G N Swamy and Jayalakshmi Arikatla "Dynamic Coordinative Estimative Enhancement in Cognitive Radio Network", Journal of Ambient Intelligence & humanized Computing, DOI.Org/ 10.1007/s 12652- 021- 02935-1, March 2021.
- P. Rajesh and V.Naveen "Respiratory Rates-Based Coherence Analysis Between Circulatory System and Central Nervous System", Interciencia Journal, Vol. 46, Issue 03, March 2021.
- Dr. N. Swathi et. al., "Functionalities and Approaches of Multi-Cloud Platform-as-a-Service Model”, Linguistica Antverpiensia, Vol. 11, Issue 1, March 2021.
- P. Srinivas and Dr P. Swapna “Comparative Analysis of Cuckoo Search and Particle Swarm Optimization MPPT Techniques for Solar Photo Voltaic Cell” Journal of Green Engineering, Vol. 11, Issue 02, February 2021.
- K. Umamaheswari and Sampath Kumar Panda “Energy Efficient Swarm Intelligence Based Heuristic Optimization for Node Localization in Mobile Wireless Sensor Networks”, Journal of Green Engineering, Vol. 11, Issue 01, February 2021.

### **International Conferences:**

- S. Kalpna has presented a paper on “Smart Environmental Design for Green House Farming: A Review” in ICICNIS 2021: 2<sup>nd</sup> International Conference on IoT Based Control Networks and Intelligent Systems at St. Joseph's College of Engineering and Technology, Kottayam, India during 28/06/2021 to 29/06/2021.

- Dr.S. Srinivasulu Raju has presented a paper on “Design and Implementation of Fuzzy PID Controller for Controlling the Speed of Robotic Vehicle System In MATLAB”, in ICICNIS 2021: 2<sup>nd</sup>International Conference on IoT Based Control Networks and Intelligent Systems at St. Joseph's College of Engineering and Technology, Kottayam, India during 28/06/2021 to 29/06/2021.
- Dr.A Sumlatha and A. Bhujanga Rao has presented a paper on “Estimation of Boiler Drum Dynamics Using Nonlinear Modeling Techniques”, in international conference on Recent Developments on Materials, Reliability, Safety, and Environmental issues held at Dr. B R Ambedkar NIT Jalandhar during June 25/06/2021 to 27/06/2021.
- Ch. Jayalakshmi has presented a paper on “Chalk Dust Collecting system in schools: A Review”, in international conference on Recent Developments on Materials, Reliability, Safety, and Environmental issues held at Dr. B R Ambedkar NIT Jalandhar during June 25/06/2021 to 27/06/2021.
- Dr. A Sumlatha has presented a paper on “Impact of Disturbances on Closed Loop Identification –An Experimental Analysis”, in International Conference on Electrical, Electronics, Computer Science and Information Technology (ICEECSIT) at ARSSS, Visakhapatnam, India on 05/06/2021.
- K.Vijaya Lakshmi has presented a paper on “Performance Comparison of Evolutionary Algorithms for Infrared Heating Control System”, in IEEE sponsored 5<sup>th</sup>International Conference on Intelligent Computing and Control Systems (ICICCS 2021) at Vaigai College Engineering (VCE), Madurai, India during 06/05/2021 to 08/05/2021.
- Dr. CSS Anupama and Janardhana Vishnu Oleti has presented a paper on "A Deep Learning Model for Tomato Plant Disease Detection" in ICIECS 2021 at RMK College of Engineering during 06/05/2021 to 07/05/2021.
- Dr. N. Swathi and Mahammad Firose Shaik has presented a paper on "Analysis of Reflection Coefficients Impact on Multipath Error" in 7<sup>th</sup>International Conference on Advanced Computing and Communication Systems, ICACCS at Sri Eshwar college of Engineering during 19/03/2021 to 20/03/2021.
- Mahammad Firose Shaik and Dr N. Swathi has presented a paper on "Implementation of a Zigbee Based Network For WBAN" in 7<sup>th</sup>International Conference on Advanced Computing and Communication Systems, ICACCS at Sri Eshwar college of Engineering during 19/03/2021 to 20/03/2021.
- M. Kranthi has presented a paper on "Optimizing Water Usage and Improving Irrigation" in 7<sup>th</sup>International Conference on Advanced Computing and Communication Systems, ICACCS at Sri Eshwar college of Engineering during 19/03/2021 to 20/03/2021.
- Dr. S Srinivasulu Raju has presented a paper on “Piezoelectric Energy Harvesting from Flow-Induced Vibrations” in International Conference on Novel Engineering Materials for Biomedical, Energy, Environment, Sensing Applications (ICON-BEES 2021) at National Institute of Technology, Tiruchirappalli during 11/03/2021 to 13/03/2021.
- S. Kalpana has presented a paper on "Mathematical Modelling of Vertical Microfluidic Channel for Drug Screening Applications" in ICIMBT 2021 at SRM Institute of Science and Technology during 18/02/2021 to 20/02/2021.
- K. Prasanti has presented a paper on “Effect of RF Power on The Structure and Composition of MOS2 Thin Film” in international conference on Nano science and Nano technology at SRM Institute of science and technology during 01/02/2021 to 03/02/2021.
- Dr. S Srinivasulu Raju has presented a paper on “Analysis and Prediction of Crime Using Machine Learning Techniques” in International Conference on Smart and Intelligent Systems (SIS-2021) at Velagapudi Ramakrishna Siddhartha Engineering College during 25/02/2021 to 26/02/2021.

### ***BOOK CHAPTERS PUBLISHED BY FACULTY***

- Mahammad Firose Shaik Published a book chapter "Dynamic HUB selection Process in Wireless Body Area Network", in Intech Open publications, book titled Coding Theory - Recent Advances, New Perspectives and Applications, ISBN Number 978-1-83969-410-3 on 15/06/2021.

### **PROJECTS APPLIED BY FACULTY**

- Dr CSS Anupama applied for a project with the title “Application of Deep Learning Techniques in Prediction of Intracranial Hemorrhage in COVID-19 Patients” to SERB-SUPRA on 10<sup>th</sup> May 2021.
- Dr. S Srinivasulu Raju Submitted a proposal for ATAL- AICTE one week FDP Programme on "Recent Advances in Machine Learning and Applications to Internet of Things (IoT)” under AICTE ATAL AICTE, Govt of India. (Proposal No: 1614917639) on 2<sup>nd</sup> march 2021.
- Dr. S Srinivasulu Raju Submitted a proposal for AICTE-ISTE Orientation / Refresher one week Programme on "Industrial Robotics and Applications” under AICTE Quality Improvement Scheme (AQIS), AICTE, Govt. of India. (Proposal No: 202000205) in January 2021.

### **NEW LABS ESTABLISHED**

**J. C. Bose Innovation and Incubation Centre** was established in January 2021. Various innovation projects are developed under this lab. Students are encouraged to do innovative projects utilizing the lab facilities.

- An MoU was arranged with Microgrid Technologies Pvt Ltd., Visakhapatnam on 08.01.2021.

### **PAPERS REVIEWED BY FACULTY**

- P. Rajesh reviewed a paper titled “Analysis of qCON and qNOX anesthesia indices and EEG spectral energy during natural sleep stages” for the journal Advances in Science, Technology and Engineering Systems Journal (ASTESJ) in February 2021.
- P. Rajesh reviewed a paper titled “Seizure Detection and Classification using different Decomposition Methods and Robust statistical Analysis from EEG Signals” for the journal Advances in Science, Technology and Engineering Systems Journal (ASTESJ) in February 2021.

### **FACULTY PARTICIPATION IN FDP'S**

- Dr.S.Srinivasulu Raju Participated in an AICTE Sponsored one week FDP on "Frugal Innovations and Social Entrepreneurship" organized by National Institute of Technology, Mizoram from 25-01-2021 to 30-01-2021.
- Dr.S.Srinivasulu Raju participated in an AICTE Sponsored FDP on “IOT Based Smart Manufacturing in 2030” organized by Department of computer science & Engineering, JIET Sponsored by TEQIP-III, RTU Kota from 18-01-2021 to 22-01-2021.
- Dr.S.Srinivasulu Raju participated in an AICTE Sponsored FDP on “Machine Learning in Digital Image Processing” organized by Department of CSE, Govind Ballabh Pant Institute of Engineering & Technology, Pauri Garhwal, Uttarakhand from 04-01-2021 to 08-01-2021.
- Dr.S.Srinivasulu Raju participated in a FDP on “Writing and Publishing Scientific Research Papers in SCI Journals - A Framework” organised by RR Institute of Advanced Studies on 05-01-2021.
- Dr.S.Srinivasulu Raju participated in a FDP on “Hybrid Electric Vehicles and Battery Management Systems” organized by Dept. of EEE, CVR College of Engineering during 28-01-2021 to 30-01-2021.
- Dr.S.Srinivasulu Raju participated in a FDP on “Biomedical Signal Analysis and Machine Learning (BSAML)” organized by Department of Electronics and Communication Engineering, National Institute of Technology, Calicut during 11-01-2021 to 15-01-2021.
- Dr.S.Srinivasulu Raju Participated in a FDP on "Arduino and PLC Based Automation in Thermal, Production and Automobile Field" organized by Rajasthan Technical University, Kota from 19-01-2021 to 23-01-2021.
- Dr.S.Srinivasulu Raju participated in an AICTE Sponsored FDP on "Advanced Communication Using IOT & WSN" organized by D.Y. Patil College of Engineering, Akurdi Pune from 09-02-2021 to 13-02-2021.
- Mahammad Firose Shaik and Dr.S.Srinivasulu Raju Participated in a 14 days AICTE Sponsored FDP on “Machine Learning Techniques for imaging and healthcare with python”, organized by Dept of Instrumentation and Control Engg., Sai Ram Engineering College, West Tambaram, Chennai during 28-01-2021 to 10-02-2021.
- Dr. S.Srinivasulu Raju Participated in a FDP on “Data Mining and Analytics” organized by School of Computer Science and Engineering, Reva University from 17-02-2021 to 23-02-2021.



- Dr.S.Srinivasulu Raju participated in a 14 days AICTE-QIP Sponsored FDP on “Computer vision and Image Processing: Research Issues, Innovation and Application” organized by Department of Electronics and Communication Engineering, PSNA College of Engineering and Technology, Dindigul during 10-02-2021 to 23-02-2021.
- Mahammad Firose Shaik and Dr.S.Srinivasulu Raju participated in a 14 days FDP on “Machine Learning for Computer Vision”, organized by Ministry of Electronics and Information Technology (MeitY), Government of India from 01-02-2021 to 12-02-2021.
- Dr.S.Srinivasulu Raju participated in a TEQIP-III sponsored FDP on "Writing Quality Research Paper & Publishing" organized jointly by Uttarakh and Technical University, Dehradun in association with Dev Bhoomi Institute of Technology, Dehradun during 08-03-2021 to 13-08-2021.
- Dr.S.Srinivasulu Raju Participated in a FDP on "Industrial Engineering Techniques" organized by Maulana Azad National Institute of Technology, Bhopal from 15-03-2021 to 19-03-2021.
- Mahammad Firose Shaik and Dr.S.Srinivasulu Raju participated in a FDP on “Language and Literature: Tools to Understand Society and Culture” organized by SRM Institute of Science and Technology Ramapuram Campus, Chennai from 09-03-2021 to 13-03-2021.
- Dr.S.Srinivasulu Raju participated in an AICTE sponsored FDP On “Research areas in Artificial Intelligence & Machine Learning with Case Studies” organized by Department of Computer Science & Engineering in Association with Gokaraju Rangaraju Institute of Engineering and Technology from 14-06-2021 to 20-09-2021.
- K. Prasanti participated in an AICTE sponsored FDP On “Lab on Chip” organized by S.R.M Institute of Science and Technology from 18-01-2021 to 22-01-2021.
- K. Prasanti participated in an AICTE sponsored FDP On “Sensors and Technology” organized by S.R.M Institute of Science and Technology from 04-01-2021 to 08-01-2021.
- Dr.A. Sumalatha participated in a FDP on “Insights of NBA” organized by Department of IQAC, IT, EXTC and computer engineering, VRSEC during 28-06-2021 to 30-06-2021.

### **WORKSHOPS ATTENDED BY FACULTY**

- Dr.S.Srinivasulu Raju participated in an online workshop on “Recent Trends on Metamaterial Antennas for Wireless Applications and Deep Learning Techniques” organized by Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli from 15-02-2021 to 26-02-2021.
- Dr.S.Srinivasulu Raju participated in an online workshop on “Importance of Control systems, applications and Research challenges”, Organized by Department of Electronics and Communication Engineering, Dr.Ambedkar Institute of Technology, Bengaluru on 16-02-2021.
- Dr.S.Srinivasulu Raju attended an online workshop on “Nanotechnology - Smart Materials: Research: Commercialization” conducted by Department of Mechanical Engineering, Maharaja Agrasen Institute of Technology on 26-02-2021.
- Dr.S.Srinivasulu Raju participated in an online workshop on “Electrical Design Methodology for Industries” conducted by Department of Electrical and Electronics Engineering, Arasu Engineering College, Kumbakonam on 13-02-2021.
- Dr.S.Srinivasulu Raju participated in an online workshop on “Design and Manufacturing of Composites for Engineering Applications” organized by Indian Institute of Technology Mandi during 01-02-2021 to 05-02-2021.
- Dr.S.Srinivasulu Raju participated in an online workshop on “Application of Artificial Intelligence in Bioinformatics and Biomedical Science” organized by Karnataka state Akkamahadevi Women’s University, Vijayapura, Dept of Bioinformatics, Under CURIE-AI, DST, New Delhi from 27-01-2021 to 06-02-2021.
- Dr.S.Srinivasulu Raju Participated in an online workshop on “Multicarrier and MIMO in 4G and 5G” organized by Department of Electronics and Communication Engineering, Dr. Ambedkar Institute of Technology, Bengaluru on 05-02-2021.
- Dr.S.Srinivasulu Raju Participated in an online workshop on “FPGA Controllers for Electrical Power Applications” organized by Department of Electrical Engineering, Visvesvaraya National Institute of Technology Nagpur from 15-03-2021 to 19-03-2021.
- Dr.S.Srinivasulu Raju Participated in an online workshop on “MATLAB and It’s Applications” organized by Rajasthan Technical University, Kota from 04/01/2021 to 08/01/2021.

- Dr.S.Srinivasulu Raju participated in an online workshop on “ARM Based HPC” sponsored by C-DAC and the NSM Nodal Centres for Training in HPC and AI at IITs Goa, Kharagpur, Madras, Palakkad from 02-03-2021 to 03-03-2021.
- Dr.S.Srinivasulu Raju Participated in an online workshop on “Role of Computational Fluid Dynamic for solution of Industrial Problem” organized by Department of Mechanical Engineering, NIT Meghalaya from 08-03-2021 to 12-03-2021.
- Dr.S.Srinivasulu Raju Participated in an online workshop on “Microelectronic Technologies for Sensors and Systems” organized by Department of Electronics and Communication Engineering, Dr. Ambedkar Institute of Technology, Bengaluru, Karnataka on 24-04-2021.

### **ONLINE SHORT-TERM TRAINING COURSES ATTENDED BY FACULTY**

- Dr.S.Srinivasulu Raju participated in an AICTE-ISTE sponsored online Induction/Refresher Programme on "Sensor Flow for Deep Learning with Python" organized by Arunachala College of Engineering for Women, Vellichanthai, Tamil Nadu from 25-01-2021 to 1-02-2021 and 22-02-2021 to 27-02-2021.
- Dr. S. Srinivasulu Raju participated in an AICTE sponsored STTP on “Assembly Line Automation and Machine Building, Phase- 2”, organized by Dept of EEE, NITTE Meenakshi Institute of Technology, Karnataka from 04-01-2021 to 09-01-2021.
- Dr. S. Srinivasulu Raju participated in an AICTE sponsored STTP on “Leveraging Artificial Intelligence and data analytics for healthcare” organized by department of information technology, K.J. Somaiya Institute of Engineering and Information Technology, Mumbai from 04-01-2021 to 09-01-2021.
- Dr. S. Srinivasulu Raju participated in an AICTE Sponsored online QIP- Short term course on “Nano electronic Devices and Circuits” organized by Department of Electronics Engineering & School of Materials Science and Technology, IIT (BHU), Varanasi from 04-01-2021 to 09-01-2021.
- Dr. S. Srinivasulu Raju participated in an AICTE sponsored online STTP on “Recent trends and Challenges in data science-Phase-IV” organized by Department of Computer Applications, Hindustan college of Arts & Science, Coimbatore from 08-02-2021 to 13-02-2021.
- Dr. S. Srinivasulu Raju participated in an AICTE Sponsored STTP on “Assembly Line Automation and Machine Building, Phase- 3” organized by Department of EEE, NITTE Meenakshi Institute of Technology, Karnataka from 08-02-2021 to 13-02-2021.
- Dr. S. Srinivasulu Raju participated in a STTP on “Data Science and Statistical Applications” organized by Department of Statistics, Bharathiar University, Coimbatore from 15.03.2021 to 20.03.2021 and 22.03.2021.
- Dr. S. Srinivasulu Raju participated in a STTP on “Computational Fluid Dynamics and its Applications” organized by Department of Mechanical Engineering, IIT Indore from 26-03-2021 to 31-03-2021.
- Dr. S. Srinivasulu Raju, participated in an Indo-US VAJRA Course on “Fundamentals of Electromagnetics, EMF-2021” organized by National Institute of Technology, Silchar, Jawaharlal Nehru University, Delhi and California State University Northridge (USA) from 15-03-2021 to 19-03-2021.
- Dr. S. Srinivasulu Raju participated in a STTP on “Bio energy: A Hope for future for global energy security” organized by Dept of chemistry and Mechanical Engineering, IIT Bhubaneswar during 01-03-2021 to 06-03-2021.
- Dr. S. Srinivasulu Raju, participated in a AICTE Sponsored online STTP on “Fractional Order Robust Control System Design (Series-III)” organized by Department of Electrical and Electronics Engineering, Vardhaman College of Engineering, Hyderabad from 15-03-2021 to 20-03-2021.
- Dr. S. Srinivasulu Raju participated in an online STTP on “Materials Characterization Techniques” organized by Department of MEMS, IIT Indore from 22-03-2021 to 27-03-2021.
- Dr. S. Srinivasulu Raju participated in an online STTP on “Data Analysis using Python”, organized by Dept of Computer Science & Engineering, IPS Academy Institute of Engineering & Science 15-03-2021 to 20-03-2021.
- Dr. S. Srinivasulu Raju participated in an online STTP on “Modern Wireless Communication Systems and Antenna Engineering with Experimental Learning” organized by National Institute of Technology, Sikkim from 15-03-2021 to 20-03-2021.
- Dr. N.Swathi, M.Kranthi and P.Sushma Chowdary participated in an AICTE Sponsored online STTP on “Python Based Machine Learning, Fundamentals to Application [Phase-II]” organized by Anurag Engineering College, Kodad, India from 18-01-2021 to 23-01-2021.



## NPTEL COURSES COMPLETED BY FACULTY

M. Kranthi completed a 12 weeks NPTEL course on “Embedded System Design with RAM” conducted by IIT KGP during January to March 2021.

## WEBINARS ATTENDED BY FACULTY

- Dr. CSS Anupama attended a webinar on “Importance of Control systems, applications and Research challenges” organized by Department of Electronics and Communication Engineering, Dr. Ambedkar Institute of Technology, Bengaluru, in association with ISTE Student chapter on 16-02-2021.
- Dr.A. Sumalatha attended a webinar on “Importance of Control systems, applications and Research challenges” organized by Department of Electronics and Communication Engineering, Dr. Ambedkar Institute of Technology, Bengaluru, in association with ISTE Student chapter on 16-02-2021.
- Dr.A. Sumalatha attended a webinar on “Business Model Canvas” organized by Department of Mechanical Engineering in association with Institution Innovation Council, VRSEC on 24-03-2021.

## STUDENT ACHIEVEMENTS

Two students, who graduated from EIE, have created a virtual telepresence robot that allows users to see what is happening in a remote location as if they were actually there. Their project, supervised by Mr. V.N. Prudhvi Raj, Associate Professor, EIE provides a valuable example of how robots can be used to capture video data in real time and monitor places that are momentarily or permanently inaccessible to humans. An article about this project was published in Tech Xplore powered by Science X Network on 23rd February 2021. Mani Babu Gorantla (168W1A1013) and G.Sathya Venkata Krishna (168W1A1014), the two researchers who created the robot, told Tech Xplore "We developed this robot as our final project. It was inspired by an article about telepresence robots that we read in a magazine called Electronics For You."



Article Link: <https://techxplore.com/news/2021-02-robot-users-virtually-remote-environments.html>



One final year student of EIE department, **Mr. L. Hemanth** bearing roll no. 178W1A1082 secured **first prize**(Rs.20,000/-) for his demonstration of an idea for solving the problems related to the theme of “**Smart Systems**” in Hackathon 2021 organized by center for Innovation Incubation and Entrepreneurship, **National Institute of Technology Meghalaya** held from 26<sup>th</sup> to 27<sup>th</sup> Feb 2021.

- Trailblazer Team’s (Dr. S. Srinivasulu Raju, Assistant professor, A. Sneha, Syed Vasim Fathima, A. Sri Aiswarya Vallika and N. Naga Pranathi of 3/4 B.Tech.) project entitled “Artificial Intelligence Based Smart Detection of Lung Disease From Chest X-Ray Images” have been shortlisted for next level of scrutiny under AICTE CHHATRA VISHWAKARMA AWARDS for the year 2020 organised by AICTE for promoting innovative spirit and scientific temperament for holistic development of society, Govt. of India.
- Ch. Harichandana of 4/4 B.Tech. attended 2021 Harvard college Conference (Harvard college’s largest student-run annual conference in the Asia-Pacific region) organized by Harvard college Project for Asian and International Relations (HPAIR’s), held virtually from 15<sup>th</sup> to 18<sup>th</sup> January 2021.
- Ch. Harichandana of 4/4 B.Tech. got a remarkable score of 328 out of 340 in GRE test taken on 17<sup>th</sup> January 2021.
- Ch. Harichandana of 4/4 B.Tech. got admission into the master’s in Management of Technology program at NYU, Tandon School of Engineering (one of the top 25 institutions in the world) as a full-time student with a scholarship of \$18,000 as a recognition of her previous academic achievements on 15<sup>th</sup> January 2021.

STUDENT PUBLICATIONS

- P. Venkata Harish, G. Nikhila, P. Doondeswar and S. Meghana of 4/4 EIE presented a paper on “Design and Implementation of Fuzzy PID Controller for Controlling the Speed of Robotic Vehicle System in MATLAB” at the ICICNIS 2021: 2nd International Conference on IoT Based Control Networks and Intelligent Systems in Kerala, India during 28<sup>th</sup> to 29<sup>th</sup> June 2021.
- Roshini Gayatri A, P Geethika, B.Devika, B.Taraka Anil have presented a paper on "Air Purifier and Sweeper Combined System" in 3<sup>rd</sup> International conference on recent Advances in Fundamental and Applied Sciences (RAFAS) conducted by Lovely Professional University, Punjab from 25<sup>th</sup> to 26<sup>th</sup> June 2021.
- A.Snehaja, V. Hari Madhavi, of 3/4 EIE presented a paper on “Piezoelectric energy harvesting from flow-induced vibrations”, in an International Conference on novel engineering materials for biomedical, energy, environment, sensing applications (ICON-BEES 2021), held at National Institute of Technology Tiruchirappalli, India, during 11<sup>th</sup> to 13<sup>th</sup> March 2021.
- M. Rejoice Angelina, M.Sai Snehitha, M.Sai Chandana and M.Priya Mythili of 4/4 EIE presented a paper on “Analysis and Prediction of Crime using Machine learning Techniques”, in the International Conference on Smart and Intelligent Systems (SIS-2021) organized by Department of Electrical and Electronics Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Andhra Pradesh, India during 25<sup>th</sup> to 26<sup>th</sup> Feb 2021.
- M. Rejoice Angelina, and M.Sai Snehitha of 4/4 EIE presented a paper on “A Review of An Early Detection and quantification of osteoarthritis severity in knee using Machine Learning Techniques”, published in proceedings of IOP Conference Series: Materials Science and Engineering (SCOPUS), *IOP Conf. Ser.: Mater. Sci. Eng.* 1057 012095. 2021.

STUDENT CO-CURRICULAR ACHIEVEMENTS

- Cheepilla Kanthi Kiran Sai (188W1A1057) of III/IV EIE was declared as winner and V Ravindra (188W5A1009) of IV/IV EIE and Ponamala Bindu Sri (188W1A1037) of III/IV EIE was declared as runners in an essay writing competition on “No more Plastic Oceans (Solutions to save Marine life)” jointly organized by the ISOI student chapter and Department of EIE on 29<sup>th</sup> June 2021.
- A Sri Aiswarya Vallika (188W1A1052) of 3/4EIE was declared as winner and Cherukuri Keerthana (188W1A1059) of III/IV EIE was declared as runner of an article writing competition on “Research on Innovation (Process of converting idea to product)” on 11<sup>th</sup> January 2021 jointly organized by the ISOI student chapter and Department of EIE.

**కొలుపు దివ్యలు..!**

సాధారణ బ్రాంచి చదివి ఉద్యోగాలకు ఎంపిక నగర విద్యార్థుల ప్రతిభ విజయవాడ విద్య, స్టూడెంట్స్

సాధారణంగా బీటెక్లో సీఎస్ఈ, ఐటీ, ఈసీఈ వంటి బ్రాంచిలు చదివితేనే ఎక్కువ జీతం ఉన్న కొలువులు వస్తాయని అనుకుంటారు. కానీ సాధారణ బ్రాంచి చదివి కూడా మంచి వేతనంతో ఉద్యోగాలు సాధించవచ్చని నిరూపించారు. సాధారణ కుటుంబం నుంచి వచ్చిన వీరు యా.10 లక్షల వార్షిక వేతనానికి ఎంపికై తల్లిదండ్రుల కలలను సాకారం చేశారు.

**ప్రణాళికే కీలకం**

నగరంలోని పలుమలుకుల వెండిన పి.భవానీ వెంకటప్రసాదు సాధారణ కుటుంబం నుంచి వచ్చాడు. ఆతని తండ్రి రమేష్ చిన్న కిరాణా దుకాణం నిర్వహిస్తుంటారు. కుమారుడిని కష్టపడి చదివించారు. వెంకటప్రసాద్ సీబీఎస్ఈ 10వ తరగతిలో 7.8 పాయింట్లు, ఇంటర్లో 80 శాతం మార్కులు సాధించాడు. బీఆర్ సిద్ధార్థలో ఈవఈ బ్రాంచిలో చేరాడు. ఇది సాధారణ బ్రాంచి అని అందరూ ఆతనిని నిరుత్సాహపర్చారు. అయినా పట్టించుకోకుండా మొదటి సంవత్సరం నుంచి ప్రణాళికా బద్ధంగా చదివి బైజినెస్ లెర్నింగ్ యాండ్ నెట్వర్క్ నిర్వహించిన ప్రాంగణ ఎంపికలో ప్రథమ ర్యాంక్ యా.10 లక్షల వార్షిక వేతనానికి ఎంపికయ్యాడు. వెంకటప్రసాద్ మాట్లాడుతూ సూతన బిళ్లాలకు అందిస్తున్నారోవడం, సరైన ప్రణాళిక విధానాలు చేసుకోవడంతో పాటు అధ్యాపకుల సూచనలతో ఉద్యోగం వచ్చిందని తెలిపాడు. బ్రాంచి ముఖ్యం కాదన్నారు. - పి.భవానీ వెంకట ప్రసాదు

**నైపుణ్యాలే విజయ రహస్యం**

అశోకనగరం వెండిన బొబ్బా రాహుల్ తండ్రి రాము ఓ ప్రైవేటు సంస్థలో గుమస్తాగా పనిచేస్తూ కుమారుడిని కష్టపడి చదివించారు. రాహుల్ 10వ తరగతిలో 9.7 జీపీఎం, ఇంటర్లో 940 మార్కులు సాధించాడు. ఆనంతరం బీఆర్ సిద్ధార్థలో ఈవఈ బ్రాంచిలో చేరాడు. మొదటి సంవత్సరం నుంచి మంచి కొలువు సాధించాలన్న పట్టుదలతో రోజూ 16 గంటలు కష్టపడి చదివాడు. సీనియర్ విద్యార్థుల సూచనలు పరిగణలోకి తీసుకుని ప్రణాళికతో ముందుకు సాగాడు. ఆనంతరం బైజినెస్ లెర్నింగ్ యాండ్ నెట్వర్క్ ప్రాంగణ ఎంపికలో యా.10 లక్షల వార్షిక వేతనంతో కొలువు సాధించాడు. రాహుల్ మాట్లాడుతూ రెంట్ ఏడాది నుంచి కోర్ గ్రాంట్లతో పాటు.. ఇంటర్మీడియట్ క్లిజ్జు తీసుకోవడం, బృంద చర్చల్లో పాల్గొనడం, నాయకత్వ లక్షణాలు పెంపొందించుకోవడంతో పాటు సాఫ్ట్ స్కిల్స్ అందిస్తున్నారోవడంతో ఉద్యోగం సాధించానని తెలిపాడు. - బొబ్బా రాహుల్

Image: Eenadu Amaravathi, 22<sup>nd</sup> January 2021

## PLACEMENTS

A total of **71** students of 4/4 B.Tech. are placed in software and hardware companies like TCS Ninja, Capgemini, Cognizant, Accenture, Deccan Chemicals, Infosys, Optomech Engineers Pvt. Ltd.etc., during Academic Year 2020-2021

S.No	NAME	ROLL NUMBER	COMPANY	PACKAGE
1	BRAMYA SREE	178W1A1005	ACCENTURE	4.5LPA
2	M.REJOICE ANGELINA	178W1A1030	ACCENTURE	4.5LPA
3	ESIRISHA	178W1A1047	ACCENTURE	4.5LPA
4	AJAHNAVI	178W1A1059	ACCENTURE	4.5LPA
5	CH.LV.LAKSHMI PRIYA	178W1A1067	ACCENTURE	4.5LPA
6	INDU SOMULA	178W1A1075	ACCENTURE	4.5LPA
7	L.HEMANTH	178W1A1082	ACCENTURE	4.5LPA
8	MOHAMMAD UJMA ARSHIN	178W1A1087	ACCENTURE	4.5LPA
9	EDA SAI BHAVINYA	178W1A10A3	ACCENTURE	4.5LPA
10	T VENKATA LALITHA PRIYA	178W1A10A7	ACCENTURE	4.5LPA
11	POOJITHA VAGICHERLA	178W1A10B0	ACCENTURE	4.5LPA
12	P.VENKATA HARISH	178W1A1040	ACCENTURE	4.5LPA
13	MD.MASOOD	178W1A1086	ACCENTURE	4.5LPA
14	OBILSETTI RISHIKA	178W1A1091	ACCENTURE	4.5LPA
15	V.SAI NIKHIL	178W1A10B3	ACCENTURE	4.5LPA
16	RANJITH KUMARMEDAM	188W5A1012	ACCENTURE	4.5LPA
17	CHANDRA SEKHARTUMULA	178W1A1050	ACCENTURE	4.5LPA
18	JYOSTNA Y	178W1A1056	COGNIZANT	4 LPA
19	CHENNUPATI NAGA NANDINI	178W1A1007	COGNIZANT	4 LPA
20	GAJULA NIKHILA	178W1A1013	COGNIZANT	4 LPA
21	KODUKULA SOWGANDIKA	178W1A1022	COGNIZANT	4 LPA
22	MARELLA PRIYA MYTHILI	178W1A1024	COGNIZANT	4LPA
23	OBILSETTI RISHIKA	178W1A1091	COGNIZANT	4 LPA
24	SABBINENI MOHITH SAI TEJA	178W1A10A1	COGNIZANT	4 LPA
25	VEDURUPAVULURI NEHA	178W1A1054	COGNIZANT	4 LPA
26	K. ASHA RANI	178W1A1017	TCS NINJA	3.8 LPA
27	SOWGANDIKA KODUKULA	178W1A1022	TCS NINJA	3.8 LPA
28	MEGHANA SADHU	178W1A1026	TCS NINJA	3.8 LPA
29	ROSHINI GAYATRI APPALA	178W1A1060	TCS NINJA	3.8 LPA
30	SUSHMA NAIDU	178W1A1090	TCS NINJA	3.8 LPA
31	KASYAP PALLAVARJULA	178W1A1093	TCS NINJA	3.8 LPA
32	AJAY SAATHWIK PRATHIPATI	178W1A1098	TCS NINJA	3.8 LPA
33	SABBINENI MOHITH SAI TEJA	178W1A10A1	TCS NINJA	3.8 LPA
34	SWATHI SAGI	178W1A10A2	TCS NINJA	3.8 LPA
35	T N VENKATA LALITHA PRIYA	178W1A10A7	TCS NINJA	3.8 LPA
36	POOJITHA VAGICHERLA	178W1A10B0	TCS NINJA	3.8 LPA
37	YEDLA BHARATH	178W1A1058	TCS NINJA	3.8 LPA
38	PAYALA DOONDESWAR	178W1A1042	CAPGEMINI	3.8 LPA
39	DAKARAPU RAJA SWETHA	178W1A1069	CAPGEMINI	3.8LPA
40	PALLAVARJULA KASYAP	178W1A1093	CAPGEMINI	3.8 LPA



41	M.REJOICE ANGELINA	178W1A1030	INFOSYS	3.8 LPA
42	CH.LV.LAKSHMI PRIYA	178W1A1067	INFOSYS	3.8 LPA
43	DRONAVALLI MONI	178W1A1071	INFOSYS	3.8 LPA
44	MOHAMMAD UJMA ARSHIN	178W1A1087	INFOSYS	3.8 LPA
45	YSRI RAM SAI	178W1A1075	COFORGE(NIIT TECHNOLOGIES)	3.65 LPA
46	INDU SOMULA	178W1A1075	KPIT	3.6 LPA
47	KODURU SAMHITHA REDDY	178W1A1023	HEXAWARE	3.6 LPA
48	MEDAM RANJITH KUMAR	188W5A1012	WIPRO	3.5LPA
49	M. SAI CHANDANA	178W1A1031	WIPRO	3.5LPA
50	K MADHU BALA SAIDEEDPAK	178W1A1019	MPHASIS	3.5LPA
51	M.KEERTHI	178W1A1025	CYIENT	3.5LPA
52	BORRA BHARATH MADHU	188W5A1010	CYIENT	3.5LPA
53	SRI LEKHA AKURATHI	178W1A1001	DECCAN CHEMICALS	3.5LPA
54	PREETHAMSALAKAPARAPU	178W1A10A4	DECCAN CHEMICALS	3.5LPA
55	BHARATH MADHUBORRA	188W5A1010	DECCAN CHEMICALS	3.5LPA
56	SREE NAGA DURGA BHAVANIP	178W1A1094	DECCAN CHEMICALS	3.5LPA
57	RANJITH KUMAR MEDAM	188W5A1012	DECCAN CHEMICALS	3.5LPA
58	SAI THANMAIDASARI	178W1A1070	DECCAN CHEMICALS	3.5LPA
59	JASWANTHDOKKU	178W1A1012	DECCAN CHEMICALS	3.5LPA
60	DINESH BABU G	188W5A1003	AMAZON	3LPA
61	EDA SAI BHAVINYA	178W1A10A3	QSPIDER	3LPA
62	TARUN SAI KRISHNA	188W5A1006	THERMAL SYSTEMS	2.5LPA
63	RAKESH SANKAR B	188W5A1002	THERMAL SYSTEMS	2.5LPA
64	TANUJA RANI CH	178W1A1010	COLLABERA	2.5LPA
65	K. ASHA RANI	178W1A1017	COLLABERA	2.5LPA
66	M.SRI SAI PUJITHA	178W1A1027	COLLABERA	2.5LPA
67	M.NAVYA	178W1A1028	COLLABERA	2.5LPA
68	K.SRIRAM	178W1A1016	INSTRUMENTATION AND AUTOMATION SOLUTION PVT LTD	2.5 LPA
69	EASWAR BALAJEE PILLALAMARRI	178W1A1043	INSTRUMENTATION AND AUTOMATION SOLUTION PVT LTD	2.5 LPA
70	EASWAR BALAJEE PILLALAMARRI	178W1A1043	OPTOMECH ENGINEERS PVT LTD	2.25 LPA
71	MEDAM RANJITH KUMAR	188W5A1012	OPTOMECH ENGINEERS PVT LTD	2.25 LPA