

Newsletter

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SIGNALS



**HALF - YEARLY
NEWS LETTER**

VOLUME: 17

JULY: 2020

Newsletter

**Electronics & Communication
Engineering**

**PRASAD V POTLURI
SIDDHARTHA
INSTITUTE OF TECHNOLOGY**



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- ✓ Papers presented in Seminars/ Conferences/Symposiums by the faculty
- ✓ Book chapters
- ✓ Patents Published
- ✓ Faculty Achievements
- ✓ Students qualified in GATE/IELTS/GRE/TOEFL and other competitive Examinations:
- ✓ MOUs Signed
- ✓ Students achievements
- ✓ Consultancy
- ✓ Student Contribution

Quotation

**“Take Risks in Your Life”
If you win, you can lead
If you Lose, You can Guide**

---Swami Vivekananda

**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

July'20- December'20

1. Workshops/Seminars/Guest Lectures/Training Programs/Symposiums organized:

- i. Organized a webinar on **Design Thinking & Product Innovation** under IETE Student's Forum on 18th July, 2020.

Resource Person: Dr. Srinivasa Murthy Boorla, General Manager, Engineering Design Centre, Grupo antolin India Pvt.Ltd., Vijayawada.

No. of Participants: 117

- ii. Organized a webinar on **Introduction to Machine Learning** under IETE Student's Forum on 27th July, 2020.

Resource Person: Dr C.S.Sastry, Professor, IIT Hyderabad.

No. of Participants: 94

- iii. Organized a webinar on **Evolution of Phased Arrays for Radars** under IEEE Student Chapter on 29th July, 2020.

Resource Person: Dr M. Lakshmi Narayana, Scientist-H (Retd.), DLRL/DRDO, Director R &D, Unistring Tech Solutions Pvt.Ltd.

No. of Participants: 90

- iv. A 15-day training program was organized on **Python Programming** for III B.Tech. ECE in association with APSSDC during 03rd -21st August, 2020.

Resource Person: 1. **Ambika Puvvula**, APSSDC
2. **K.Veeravanitha**, APSSDC

Program Co-ordinator: Mr. Md. Habibulla, Sr. Assistant Professor

- v. Organized a webinar on **Scope of DFT in SoC Design** under IETE Student Forum on 8th August, 2020.

Resource Person: Mr. I.B.K. Raju, Senior DFT Engineer, Bangalore.

No. of Participants: 92

- vi. Organized Alumni talk on **How to prepare for GATE** for III B. Tech ECE students on 13th August, 2020.

Resource Persons: Mr.P.Naveen, M.Tech at IIT Bombay
Mr. P.Pranoy, M.Tech at IIT Bombay
(Alumni ECE 2015-19)

vii. Organized Alumni talk on **Architecture & Logic Design** for III B. Tech ECE students on 21st August, 2020.

Resource Person: Ms.Sinjini Madduri, Logic Design Engineer at INTEL Corporation, Massachusetts (Alumni ECE 2007-11)

viii. Organized an International Webinar on **Towards Ubiquitous Millimeter Wave Networks and Applications** for faculty of ECE, CSE and IT departments on 26th August, 2020.

Resource Person: Dr. Sanjib Sur, Asst.Prof, Computer Science & Engg., University of South Carolina, USA

ix. Organized a MNC Expert talk on **Emerging Technologies** for III & IV B. Tech ECE and ME students on 28th August, 2020.

Resource Person: Mr.Santosh Jaiswal, Assistant General Manager, Automation

x. Organized a webinar on **LabVIEW for Artificial Intelligence** on 2nd September, 2020.

Resource Person: Ajay Kumar, Founder & CEO, Cognibot Robotics

xi. Organized a webinar on **Framing COs and their mapping with POs** on 11th December, 2020.

Resource Person: Dr P V D Somasekar

xii. A 3 day online workshop was organized on **Embedded System design using MSP430** for IV B.Tech. ECE students in association with EdGate Technologies, Bangalore (Partner of TI University program) during 29th – 31st December, 2020.

Resource Person: Mr.Nishanth, EdGate Technologies

Program coordinators: Mr Haji Mohammad Habibulla, Sr.Asst.Prof., ECE Dept.

Mr P Venu Madhav, Asst.Prof., ECE Dept.

Online Quiz Conducted:

i. Conducted **Analog Communications** online quiz for III B.Tech ECE students using kahoot platform on 17th July, 2020.

Organizing Members:

Mr.M. Srinivas Rao, Associate Professor

Mrs L. Madhavi Devi, Assistant Professor

Ms.M.Lahari Ratnanjali, Technician

ii. Conducted **Electromagnetic Fields** online quiz for III B.Tech ECE students using GOOGLE forms on 3rd August, 2020.

Organizing Members:

Dr.C.Subba Rao, Professor

Mrs.B. Swathi Lakshmi, Assistant Professor

Mrs L. Madhavi Devi, Assistant Professor

Ms.M.Lahari Ratnanjali, Technician

- iii. Conducted **Switching Theory and Logic Design** online quiz for III B.Tech ECE students using kahoot platform on 12th August, 2020.

Organizing Members:

Dr. P. Rajesh Kumar, Professor & HoD

Mrs L. Madhavi Devi, Assistant Professor

Ms.M.Lahari Ratnanjali, Technician

- iv. Conducted **Pulse and Digital Circuits** online quiz for III B.Tech ECE students using kahoot platform on 14th August, 2020.

Organizing Members:

Mrs.K. Anitha, Associate Professor

Mrs L. Madhavi Devi, Assistant Professor

Ms.M. Lahari Ratnanjali, Technician

2. Workshops/Seminars/Conferences/Faculty Development Programs attended by the faculty:

- i. **Mrs. B. Swathi Lakshmi**, Assistant Professor participated in FDP on **RF & Antenna Design Using ANSYS HFSS** organized by Entuple Technologies Pvt. Ltd. Bangalore, IEEE Bangalore during 22nd June- 14th July, 2020.

Resource Persons: Sashi kumar, Entuple Technologies Pvt. Ltd. Bangalore

- ii. **Mrs. K.Anitha**, Associate Professor, **Mr. Habibulla Mohammad**, Sr.Assistant Professor, **Mrs. V. Ratna Kumari**, Assistant Professor, **Mrs.D.Hareesha**, Assistant Professor, **Mr. K.Phani Rama Krishna**, Assistant Professor participated in online FDP on **Advancement in Communication Engineering Technologies with Simulation Tools** organized by Vishnu Institute of Technology, Bhimavaram during 1st -5th July, 2020.

Resource Persons: Dr.Anitha Peram, SJBIT, Bangalore,
Dr. Raghavendra Kumar Chaudary, IIT Dhanbad
Ms. Sneha, City University, London

- iii. **Dr. A Geetha Devi**, Associate Professor participated in workshop on **Deep Learning using Python with Keras-Tensorflow** organized by SCS-India during 1st – 5th July, 2020.

Resource Persons: Dr. Mahesh Anand, Founder SCS-India.

- iv. **Dr.A.Geetha Devi**, Associate Professor participated in FDP on **Python Programming for Data Science and Machine Learning** organized by SCS-India during 1st – 5th July, 2020.

Resource Persons: Dr. Mahesh Anand, Founder SCS-India

- v. **Mrs.D.Hareesha**, Assistant Professor and **Mrs.B.V. Subbayamma**, Assistant Professor participated in 2-week FDP on **IoT** conducted by APSSDC during 13th – 25th July, 2020.

- vi. **Mr. J. Ravindra Babu**, Associate Professor, **Mr. M.Srinivasa Rao**, Associate Professor, **Mrs. K.Anitha**, Associate Professor participated in online FDP on **Recent Advances in Biomedical Applications and Communication Networks** organized by Dept. of ECE, GMR Institute of Technology, Rajam, Andhra Pradesh during 13th -18th July, 2020.

Resource Persons: 1. Dr Ramjee Rapaka, IIT Ropar, Punjab
2. Dr Saila Dinkar Apte, Anubhooti Solutions, Pune
3. Dr K.R Anandh, University of Alabama, USA

- vii. **Dr.C.Subba Rao**, Professor Participated in AICTE sponsored One Week National level Online STTP on **Trends and Challenges in Design and Implementation of Reconfigurable Antennas for Increased Spectrum Access in Cognitive Radio Communication** organized by Dept. of ECE, VRSEC, Vijayawada during 20th -25th July 2020.

viii. **Mr.J. Ravindra Babu**, Associate Professor participated in one week online FDP on **Emerging Trends in Engineering Research** organized by Dept. of ECE, Sphoorthy Engineering College, Hyderabad during 20th - 25th July 2020.

ix. **Dr. K. Ramanjaneyulu**, Professor, **Mrs.K.Anitha**, Associate Professor, **Mrs.V.Ratna Kumari**, Assistant Professor, **Mrs.D.Hareesha**, Assistant Professor, **Mrs.B.V. Subbayamma**, Assistant Professor participated in online FDP on **Research Trends in Image Processing with Machine Learning and Deep Learning** organized by Dept. of ECE, G. Pulla Reddy Engineering College, Kurnool, Andhra Pradesh during 21st - 25th July, 2020.

Resource Persons: 1. Dr J. Krishnaiah, IITDM, Kurnool

2. Y.Naresh Reddy, Senior Engineer, Samsung SDS, Seoul, South Korea

3. Renjith C V, Product Designer, Philips India Pvt. Ltd., Pune

x. **Mr. J. Ravindra Babu**, Associate Professor, **Mr. M.Srinivasa Rao**, Associate Professor **Mrs.K.Anitha**, Associate Professor, **Mrs. V.S.D. Rekha**, Assistant Professor, **Mrs. D.Swathi**, Assistant Professor participated in online FDP on **Technologies with Social Relevance** organized by GMR Institute of Technology, Rajam, Andhra Pradesh during 27th July -1st August, 2020.

Resource Persons: 1. Dr Atif Iqbal, Qatar, 2. Dr T.S.Rangarajan, USA, 3. Dr Kallapan, United Kingdom

xi. **Dr. A Geetha Devi**, Associate Professor, **Mr. B. Surya Prasada Rao**, Associate Professor participated in AICTE sponsored one Week Online STTP on **Electromagnetics, Microwave, RF & Antenna Design Using Ansys HFSS Phase-I** organized by Shri Vishnu Engineering College for Women, Bhimavaram during 27th July – 1st August, 2020.

Resource Persons: Dr. Vakula, Dr. GSN Raju, Dr. Raghavendra Chowdary

xii. **Dr.A.Geetha Devi**, Associate Professor, **Mr.B.Surya Prasada Rao**, Associate Professor, **Mrs.V.S.D.Rekha**, Assistant Professor participated in two weeks National Level Online STTP on **Fundamentals of Radar Signal Processing-1** organized by Dept. of ECE, RISE Krishna Sai Prakasam Group of Institute, Ongole in association with IETE Chapter during 27th June -11th August, 2020.

Resource Person: Dr. P. Srihari, Asst. Professor, NITK, Surathkal.

xiii. **Ms.T.Sushma**, Assistant Professor, **Mrs.D.Hareesha**, Assistant Professor, **Mrs. B. V. Subbayamma**, Assistant Professor, **Mrs. T. Maha Lakshmi**, Assistant Professor participated in AICTE Sponsored One Week Online STTP on **IoT Application Development Using Python (SMART AGRICULTURE)** organized by Narasaraopeta Engineering College, Narasaraopet during 27th July -1st August, 2020.

xiv. **Dr.Ch.Gangadhar**, Associate Professor, **Mr.B.Surya Prasada Rao**, Associate Professor, **Dr.B.Samuyelu**, Sr.Assistant Professor, **Mrs.Sri Lakshmi Chandana**, Assistant Professor **Mrs. T. Maha Lakshmi**, Assistant Professor, **Mr. K.Phani Rama Krishna**, Assistant Professor, **Mrs.L.Madhavi Devi**, Assistant Professor, **Mrs.D.Praveenabai**, Assistant Professor participated in two-week online FDP on **ICT Tools for Teaching, Learning process and Institute** jointly organized by Electronics and ICT Academies under the "scheme of financial assistance for setting up of Electronics and ICT Academies" of the Ministry of Electronics and Information Technology(MeitY), Government of India during 10th- 21st August,2020.

xv. **Mr. J. Ravindra Babu**, Associate Professor, **Mrs.D.Swathi**, Assistant Professor participated in workshop on **Introduction to IOT and Arduino** organized by Department of ECE, Anurag University, Hyderabad during 10th – 12th August, 2020.

Resource Persons: 1. Dr Satish Kumaran

xvi. **Mrs. V.S.D. Rekha**, Assistant Professor participated in a five day online FDP on **Value Addition on Emerging Information Technologies** conducted by the Faculty of Computer Applications, Dr. M.G.R. Educational and Research Institute, Chennai during 10th – 14th August 2020.

xvii. **Dr. T. Haritha**, Associate Professor participated in a FDP on **Outcome Based Education; Importance of Outcomes, Assessment and Evaluation for Accreditation** organized by Dept. of CSE, VRSEC under AICTE Margdarshan during 14th – 18th August, 2020.

Resource Persons: Dr. D. Rajeswara Rao

xviii. **Mrs. V.S.D. Rekha**, Assistant Professor participated in two-day international FDP on **High Impact Teaching Skills and Mind Mapping for Better Teaching** organized by the Department of Commerce, Manipal Academy of Higher Education, Manipal during 19th – 20th August, 2020.

Resource Persons:

1. Prof. Samuel Johnson K, Digital Learning Coach, VIT AP School of Business (VSB), India.
2. Mr Derek Cheshire, Business Creativity and Innovation Specialist (Trainer and Author), UK.

xix. **Mr. Habibulla Mohammad**, Sr. Assistant Professor participated in a FDP on **LMS, Virtual Teaching and OBE Software for Engineering Colleges** organized by vmedulife Software solutions on 20th August, 2020.

Resource Persons: K Srinivas

xx. **Mr. B. Surya Prasada Rao**, Associate Professor participated in AICTE sponsored FDP on **Electromagnetics, Microwave, RF & Antenna Design Using Ansys HFSS-Phase II** organized by Shri Vishnu Engineering College for Women during 24th – 29th August, 2020.

Resource Persons: 1. Dr. Vakula, 2. Dr. G.S.N. Raju, 3. Dr. Raghavendra Chowdary

xxi. **Dr. A Geetha Devi**, Associate Professor, **Mr. B. Surya Prasada Rao**, Associate Professor participated in AICTE sponsored FDP on **Trends and Challenges in Design and Implementation of Reconfigurable Antennas for increased Spectrum Access in Cognitive Radio Communication** organized by VR Siddhartha Engineering College, Vijayawada during 24th -29th August, 2020.

- Resource Persons:**
1. Dr.A. Prakasa Rao, NITW
 2. Dr.G.Rama Murthy, Mahindra UNIV, Hyderabad
 3. Er. Samar Sailendra, Scientist at TCS Research & Innovation

xxii. **Mr. J. Ravindra Babu**, Associate Professor participated in a FDP on **Emerging Trends & Technologies in Data Science** organized by GMR Institute of Technology, Rajam, Andhra Pradesh during 24th – 29th August, 2020.

Resource Persons:1. Mr.Raghavendra Kumar Chunduri Research Scholar & Quality Assurance Specialist, United States of America

2. Dr. Ferddie Quiroz Canlas, Assistant Professor, Dept. of Computing, Muscat College, Ruwi, Sultanate of Oman.

3. Dr. Thirunavukarasu Balasubramaniam Postdoctoral Fellow, Centre for Data Science Queensland University of Technology, Australia

- xxiii. **Mrs. V. S.D.Rekha**, Assistant Professor participated in FDP on **Recent Trends in Antennas** organized by IEEE Antennas & Propagation society Madras Section in association with Sathyabama Institute of Science and Technology Chennai during 7th September – 12th October, 2020.

Resource Persons: 1. Dr S Raghavan Professor Retd Nit Tiruchirappali

2. Dr Amalendu Patnaik Professor III Roorkee

3. Dr T Shanmuganantham Associate Professor Pondicherry Central University

- xxiv. **Mr. Habibulla Mohammad**, Sr.Assistant Professor participated in a workshop on **TI Embedded System Design using MSP430 MCU MOOC** organized by Texas Instruments during 14th September - 12th December, 2020.

Resource Persons: 1.Dhananjay V. Gadre (Nsut)

2. Badri Subudi (Iit Jammu)

- xxv. **Mr. Habibulla Mohammad**, Sr.Assistant Professor participated in AICTE sponsored FDP on **IoT Application Development Using Python (SMART CITY)** organized by Department of ECE, Narasaraopeta Engineering College, Narasaraopet during 14th – 19th September, 2020.

Resource Persons: 1. Dr.Pradeep kumar.B, Asst.Prof. IIT Hyd.

2. Dr.Rajendra,Asst Prof, NIT, Kurukshetra

- xxvi. **Mr. J. Ravindra Babu**, Associate Professor participated in a FDP on **Artificial Intelligence using Python** organized by GMR Institute of Technology, Rajam during 14th – 19th September, 2020.

Resource Persons: 1. Dr. J. Raja Murugadoss

2. Dr. C.L V.R.S.V. Prasad

xxvii. **Dr.C.Subba Rao**, Professor, **Mr. B. Surya Prasada Rao**, Associate Professor, **Mrs. V. Ratna Kumari**, Assistant Professor, **Mrs. D. Hareesha**, Assistant Professor, **Mrs.B.V. Subbayamma**, Assistant Professor participated in AICTE sponsored FDP on **Machine Learning and IOT Technologies for Environmental Issues** organized by Dept. of CSE, PVPSIT during 21st – 26th September, 2020.

Resource Persons: 1. Dr. M. Srinivas, NITW
2. Dr. Arul Valan, NIT, Nagaland
3. . Dr. Ashok Kumar Das, Asst. Prof., IIIT, Hyderabad

xxviii. **Mrs. V. S.D.Rekha**, Assistant Professor participated in FDP on **Challenges and Opportunities of Energy and Sensor Applications** organized by JNTUACEA under TEQIP-III during 23rd – 26th September, 2020.

Resource Persons:
1. Dr K Jeyasubramania, Senior Professor Dept. of Chemistry, Mepco Schlenk Engineering College, Sivakasi
2. Dr Anjana P Anantharaman Asst Professor NIT Warangal
3. Dr Y Ashok Kumar Reddy Asst Professor Dept of Physics IIITDM, Kanchepuram

xxix. **Dr. T. Haritha**, Associate Professor, **Mrs.K. Anitha**, Associate Professor, **Dr. B. Samuyelu**, Sr.Assistant Professor, **Mr. Habibulla Mohammad**, Sr.Assistant Professor, **Mrs. Sri Lakshmi Chandana**, Assistant Professor, **Mrs. T. Maha Lakshmi**, Assistant Professor participated in a FDP on **IPR & Innovation Management in Engineering Science** organized by Andhra Pradesh State Council of Higher Education & PVPSIT on 08th October, 2020.

Resource Persons: 1. Prof. Rama Mohana Rao, Vice-Chairman, APSCHE, Govt. of Andhra Pradesh
2. Dr. Neeraj Saxena, Adiser AICTE Delhi
3. Dr. B.K Sahu, Regional manager & office incharge NRDC Govt of India

xxx. **Dr. T. Haritha**, Associate Professor, **Mrs.K. Anitha**, Associate Professor, **Mr. Habibulla Mohammad**, Sr.Assistant Professor participated in AICTE sponsored FDP on **Innovative Teaching and Learning Methods for Inspiring Students** organized by SRKR Engineering College, Bhimavaram during 12th – 17th October, 2020.

Resource Persons: 1. Dr P.Pardha Saradhi, Associate Dean R & D Publications, KLEF, Vaddeswaram
2. Dr Kishore Kumar, Jain University, Bangalore.
3. Dr S.R.N Reddy, IGDTUW, Delhi

xxxi. **Dr. T. Haritha**, Associate Professor, **Mr.M. Srinivas Rao**, Associate Professor, **Mrs.K. Anitha**, Associate Professor, **Mrs. D.Hareesha**, Assistant Professor, **Mrs. B. V. Subbayamma**, Assistant Professor participated in AICTE sponsored FDP on **Professional Morals Work ethics, Accountability for Teachers in Technical Education** organized by VRSEC during 19th – 31st October, 2020.

Resource Persons: 1. Pro A. Raguram Raju IIT Tirupathi, Prof. P.S Avadhani
Director IIIT Agartla
2. Prof D.Lalitha Bhaskari, AU, Dr.Bharat kumar, IIT Tirupati
3. Dr.Vinnetsahu, IIT Kanpur, Prof. N. Sreekumar, IIT Madras

xxxii. **Dr.C.Subba Rao**, Professor participated in AICTE sponsored FDP on **Machine Learning and IOT Technologies for Environmental Issues – Phase II** organized by Dept. of CSE, PVPSIT during 26th – 31st October, 2020.

xxxiii. **Mr. Habibulla Mohammad**, Sr.Assistant Professor participated in AICTE sponsored FDP on **Advances in Remote Sensing and its Applications** organized by Department of ECE, Narasaraopeta Engineering College, Narasaraopet during 26th – 31st October, 2020.

Resource Persons: 1. Dr. G. Sasibhushana Rao, Professor & HoD, Dept. of ECE, AUCE, Andhra University
2. Dr. G. Rama Murthy, Professor, Mahindra University, Hyderabad
3. Mr. Arun Shanmugam Arumugam, Test Analyst Infosys Limited, Chennai

xxxiv. **Mrs. D. Hareesha**, Assistant Professor participated in AICTE sponsored STTP on **Trends and Challenges in Medical Image Analysis through Deep Learning Algorithms Phase-I** organized by Department of EIE, VR Siddhartha Engineering College, Vijayawada during 26th – 31st October, 2020.

Resource Persons: 1.Dr. M Ramasubba Reddy Professor, Dept. of Biomedical Engg. IITM, Chennai, 2.Dr. Swathi Poornima Dept. of Anatomy Pinnamaneni Siddhartha

Institute of Medical Sciences & Research Foundation, Vijayawada, 3. Dr. Sushen Kumar Dept. of Radiology NRI Medical College, Mangalagiri

xxxv. **Dr. T. Haritha**, Associate Professor participated in AICTE sponsored one week online STTP on **Graphical System Design Approach for Signal and Image Processing Applications** organized by Dept of ECE, RVR&JC College of Engineering during 2nd – 7th November, 2020.

Resource Persons: 1. Dr Srihari rao Patr, Assoc. prof, NIT Warangal
2. Mr.T.Balaji, Application Engineer NI
3. Mr.K.Jayaramn Senoir, Professor/consultant

xxxvi. **Mr.M.Srinivasa Rao**, Associate Professor participated in AICTE sponsored FDP on **Machine Intelligence for Information Retrieval** organized by National Institute of Technology, Kurukshetra during 4th -8th November, 2020.

Resource Persons: 1. Dr Saroj K Biswas , NIT Silchar
2. Mr Vishal S, American Express
3. Mr Sriram R, Microsoft Research

xxxvii. **Mrs.K.Anitha**, Associate Professor participated in AICTE Training and Learning (ATAL) Academy FDP on **Systems Engineering** organized by National Institute of Technology, Kurukshetra during 4th -8th November, 2020.

Resource Persons: 1. Prof TV Vijay Kumar, ANU, New Delhi
2. Dr Ram Subramanian, IIT Ropar
3. Dr Kalidas Yeturu, IIT Tirupati

xxxviii. **Mrs.D.Hareesha**, Assistant Professor participated in a FDP on **Cloud Computing with Microsoft Azure** organized by Dept. of CSE, PVPSIT during 9th – 14th November, 2020.

Resource Persons: Chandra Koduru, TCS

xxxix. **Dr.C.Subba Rao**, Professor, **Mrs.B.V.Subbayamma**, Assistant Professor, **Ms.T.Sushma**, Assistant Professor participated in AICTE sponsored FDP on **Millimeter wave Frequencies** organized by GEC during 16th – 21st November, 2020.

Resource Persons: 1. NVSN Sharma

2. M.Lakshmi Narayana

- xl. **Mrs.V.S.D.Rekha**, Assistant Professor participated in AICTE sponsored FDP on **AI-MIMO Millimeter (Mm) Wave And Massive MIMO Applications for 5G Wireless Networks Using AI** organized by GRIET during 16th – 21st November, 2020.

Resource Persons: 1. Flt Lt A T Kishore, CEO of Vidhya Sangha Technologies

2. Mr M Suresh Kumar ,NESMA Saudi Arabia

3. Dr Gopi Ram, NIT Warangal

- xli. **Mrs.K.Aruna Kumari**, Sr. Assistant Professor participated in AICTE, New Delhi under AQIS sponsored Six Days online STTP on **Intellectual Property for Engineers & Scientists Phase 2** organized by CMR Institute Of Technology, Bengaluru, during 23rd – 28th November, 2020.

- xlii. **Mr. Habibulla Mohammad**, Sr.Assistant Professor participated in AICTE sponsored FDP on **IoT Application Development Using Python (SMART HEALTH CARE)** organized by Department of ECE, Narasaraopeta Engineering College, Narasaraopeta during 23rd – 28th November, 2020.

Resource Persons: 1. Dr. K Sridhar Patnaiak, Associate Professor, BIT, Mesra

2. Dr. Vandana C. Bagal, Head & Associate Professor KK Wagh Institute of Engineering Education and Research, Nashik, Maharashtra

3. Mr, P. Madhusudhana Rao, MD, madBlocks Technologies Pvt Ltd, Hyderabad

- xliii. **Mrs.T.Maha Lakshmi**, Assistant Professor participated in AICTE Training And Learning (ATAL) Academy FDP on **Advanced Optical Access Networks and its Role in Smart Cities** organized by Indian Institute of Information Technology, Kota (MNIT Campus Jaipur) during 23rd – 27th November, 2020.

Resource Persons: Dr.Amith

- xliv. **Mr. Habibulla Mohammad**, Sr.Assistant Professor participated in a FDP on **Design and Development of Control Strategies on Electrical Power Applications - An**

Industrial Perspective organized by Dept. of EEE, PVPSIT during 7th -12th December, 2020.

Resource Persons: 1. Dr.A Nazar Ali, Assoc Prof, REC, Chennai
2. Dr.T Sudhakar Babu, UNITEN, Malaysia
3. Dr.B Chitti Babu, IIITDM, Kancheepuram

xliv. **MsT.Sushma**, Assistant Professor, **Mrs.D.Hareesha**, Assistant Professor participated in AICTE Training And Learning (ATAL) Academy FDP on **Internet of Things (IoT)** organized by Koneru Lakshmaiah Education Foundation during 14th -18th December, 2020.

Resource Persons: 1. Dr E Suresh Babu, NIT Warangal,
2. Mr. Liqzan Manna, Innovians Technologies,
3. Dr K Thirupathi Rao, Deputy Dean, KLEF

xlvi. **Mrs. D. Hareesha**, Assistant Professor participated in AICTE sponsored STTP on **Trends and Challenges in Medical Image Analysis through Deep Learning Algorithms Phase-II** organized by Department of EIE, VR Siddhartha Engineering College, Vijayawada during 7th – 12th December, 2020.

Resource Persons:

Dr. Vikrant Bhateja, Professor, SRMGPC, Lucknow,
Dr. Nilanjan Dey, Professor, Dept.of CSE, JIS University, Kolkata
J. Prem Kumar, Product Manager – Mathworks Products, Capricot Technologies, Hyd.

xlvii. **Mr.Habibulla Mohammad**, Sr.Assistant Professor participated in a FDP on **IoT Application Development Using Python Phase - IV (INDUSTRIAL IoT)** organized by Dept.of ECE, Narasaraopeta Engineering College, Narasaraopeta during 7th - 12th December, 2020.

Resource Persons: 1. Mr. P. Madhusudhana Rao, MD, Orange Research Labs, Hyderabad
2. Dr.Gautami Tripathi, Assistant Professor, Jamia Hamdard, New Delhi

xlviii. **Mr.Habibulla Mohammad**, Sr.Assistant Professor participated in a FDP on **Advances in Remote Sensing and its Applications Phase-II** organized by Dept.of ECE, Narasaraopeta Engineering College, Narasaraopet during 14th - 19th December, 2020.

Resource Persons: 1. Dr. Natraj Vaddadi, Vice President, Genpact & Adjunct Faculty, Petroleum Technology at the University of Pune
2. Naresh K. Mallenahalli, Senior Member IEEE, Senior Member ACM, Life Members ISRS Program Planning and Evaluation Group National Remote Sensing Center (ISRO)

xlix. **Dr. K. Ramanjaneyulu**, Professor participated in the AICTE Sponsored Two Week Online FDP on **Nurturing Morals, Work Ethics & Accountability for Technical Teachers** organized by Dept. of CSE, VRSEC, Vijayawada during 07th - 19th December, 2020.

Resource persons: 1. Dr. Vineet Sahu, IIT Kanpur, 2. Prof. Manju Singh, MNIT, Jaipur, 3. Prof. K.Chandrasekaran, NIT Karnataka, Surathkal

1. **Dr. K. Ramanjaneyulu**, Professor participated in a FDP on **Research Grant for Higher Education** organized by Navjivan Centre for Development, Mehsana, Gujarat state, on 19th December, 2020.

Resource person: Prof. Sanjay Vanani Founder & CEO, NCD

ii. **Mrs. B.V. Subbayamma**, Assistant Professor, **Mrs. V. Ratna Kumari**, Assistant Professor Participated AICTE Training And Learning (ATAL) online FDP on **Internet of Things (IoT)** organized by NIT, Puducherry during 26th – 30th December, 2020.

Resource Persons: Mr.Narayanan.L, Mr.Ganesh N & Mrs.Geetha TV

WEBINARS (online):

i. **Mrs.B. Swathi Lakshmi**, Assistant Professor participated in webinar titled **Effective and efficient writing of research papers for web of science, Scopus indexed journal and Conference papers using Typeset Research Studio** organized by Department of Electronics & Telecommunication & Central Library, AISSMS COE, Pune on 1st July, 2020.

- ii. **Mr. J. Ravindra Babu**, Associate Professor participated in webinar titled **Inputs for Effective Research Writing** organized by NIFT-TEA College of Knitwear Fashion, TIRUPPUR on 3rd July, 2020.
Resource Person: Dr.N.Ulaganathan
- iii. **Mrs.B.Swathi Lakshmi**, Assistant Professor participated in webinar titled **Machine Learning for Veracity of Big Data** organized by Department of Information Technology under ACM Student Chapter, VRSEC on 3rd July, 2020.
- iv. **Mr.J. Ravindra Babu**, Associate Professor participated in webinar titled **End User Computing** organized by Shreeyash College of Engineering & Technology, Aurangabad, Maharashtra on 4th July, 2020.
Resource Person: 1. Prof.Sathya Praveen D.
2. Dr. R. S. Pawar
- v. **Mr. J. Ravindra Babu**, Associate Professor participated in webinar titled **Automachine and Robotics** organized by Department of ECE, LOYOLA Institute of Technology on 5th July, 2020.
Resource Person: Asher Jashua Senior controls engineer UA
- vi. **Dr. K. Ramanjaneyulu**, Professor, **Mrs K.Anitha**, Associate Professor participated in webinar titled **W1-Vision, Mission and PEOs for Technical Institutions** organized by NITTTR, Bhopal on 7th July, 2020.
Resource Person: 1. D.Singh Karaulia, Professor
- vii. **Mr. J. Ravindra Babu**, Associate Professor participated in webinar titled **Dev_Ops Automachine - Software development Engineer in Test** organized by LOYOLA Institute of Technology, Palanchur, Chennai on 9th July, 2020.
Resource Person: Mr. Vishnu Prakash, Senior Technical Architech, Hexaware Technologies, USA
- viii. **Mrs. V.S.D. Rekha**, Assistant Professor participated in webinar titled **Trends using Internet of Things (IoT)** organized by Dept. of ECE, Mount Zion College of Engineering and Technology, Pudukkottai on 10th July, 2020.

Resource Person: Dr. S. Pradeep Narayanan, Asst. Professor, VIT University, Chennai.

- ix. **Mr.J.Ravindra Babu**, Associate Professor, **Mrs.B.V.Subbayamma**, Assistant Professor, **Mrs.V.S.D.Rekha**, Assistant Professor participated in webinar titled **Embedded System and IoT** organized under Citronics club organized by Dept. of ECE, City Engineering College on 13th July, 2020.

Resource Person: Dr. Basavaraj G Kudamble, Ph.D., Technical Director, Epractical Technology, Bangalore.

- x. **Mr.J.Ravindra Babu**, Associate Professor participated in webinar titled **An Integrative Prophylactic management of SARS in the context of Covid 19** organized by JAIN University, Bangalore on 14th July, 2020.

Resource Person: Dr. B.R.Ramakrishna, Vice-chancellor, SVYASA

- xi. **Mrs.K.Anitha**, Associate Professor participated in webinar titled **Person Identifier using Python and CV** organized by Pantech E Learning & Andhra Loyola Institute of Engineering and Technology, Vijayawada, on 14th July, 2020.

Resource Person: Srinivasan N

- xii. **Mr.Habibulla Mohammad**, Sr.Assistant Professor, **Mr. K.Phani Rama Krishna**, Assistant Professor participated in webinar titled **Panel Discussion on Successful Startup Incubation** organized by Andhra Pradesh State Skill Development Corporation on 15th July, 2020.

Resource Person: 1. Dr.Rama Krishnan Ramesh, Dean, Professor, MVGR

2. Mr.Gopala Raja,Director,Fopple Drone

- xiii. **Mr.J.Ravindra Babu**, Associate Professor participated in webinar titled **Digital Transformation by 5G and IoT** organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad on 15th July, 2020.

Resource Person: 1. Dr.R.Manjula Sri

2. Mr. Nageshwar V

- xiv. **Mr.Habibulla Mohammad**, Sr.Assistant Professor participated in webinar titled **Science Direct Overview** organized by BRIGHTALK and ELSEVIER on 17th July, 2020.

Resource Person: 1. Rebecca Gaudreau, Executive Elsevier

- xv. **Mrs.B.V.Subbayamma**, Assistant Professor participated the International webinar on **Nano Technology: Future of Engineering** organized by Mekapati Rajamohan Reddy Institute of Technology & Science, Udayagiri on 17th July, 2020.

Resource Person: Dr.Naveen Kumar Reddy Bogireddy

- xvi. **Ms.T.Sushma**, Assistant Professor **Mrs.B.V.Subbayamma**, Assistant Professor participated in webinar titled **Automation of Robotics** organized by Loyola Institute of Technology on 17th July 2020.

Resource Person: Asher Joshua, Senior Control Engineer, Barry Webmiller Design group, USA,

- xvii. **Dr. K. Ramanjaneyulu**, Professor participated in webinar titled **Exploring the Educational resources of IEEE** organized by IEEE India Council on 18th July, 2020.

Resource Person: Prof. Lance Fung, R10 Educational Activities Coordinator
Dr. Supavadee Aramvith, Chair, IEEE EAB Section, Education Outreach Committee.

- xviii. **Dr. T.Haritha**, Associate Professor participated in webinar titled **Engineering a Passionate Journey Towards Success** organized by Dept. of EEE, MSAJCE Chennai on 22nd July, 2020.

Resource Person: Mr Prasanna Agoram performance & Technical Analyst (Cricket South Africa)

- xix. **Dr. T.Haritha**, Associate Professor, **Mrs.K.Anitha**, Associate Professor participated in webinar titled **W1-Vision, Mission and PEOs for Technical Institutions** organized by NITTTR, Bhopal on 22nd July, 2020.

Resource Person: Dr .B.L Gupta, Dr R.K Dixit, Dr.C. Thangaraj

- xx. **Mr.J.Ravindra Babu**, Associate Professor, **Dr.T.Haritha**, Associate Professor participated in webinar titled **IT Enabled Services-Competitive Advantage & Challenges for India** organized by Dept. of MBA, PVPSIT on 22nd July, 2020.

- xxi. **Dr.C.Subba Rao**, Professor participated in a webinar **IEI Centenary Webinar on Self Reliance and National Security Emerging Imperatives** organized by Defence R&D, Aeronautical Development Agency on 22nd July, 2020.
- xxii. **Dr.C.Subba Rao**, Professor participated in webinar on **Nurturing the Innovation Potential of Research Students** organized by SRM & The Hindu career counseling on 22nd July 2020.
- xxiii. **Dr.C.Subba Rao**, Professor Participated in a webinar on **Fractal Antennas & Computational Electromagnetics**, IETE Webinar on 23rd July, 2020.
- xxiv. **Dr.K.Ramanjaneyulu**, Professor participated in webinar titled **Effective ways to write research article** organized by SRM University-AP on 25th July, 2020.
Resource Person: Prof Shobhana Narasimhan from JNCASR, Bengaluru.
- xxv. **Mr.B.Surya Prasada Rao**, Associate Professor participated in webinar titled **Impact of Covid-19 on Development of Rural Economy - Challenges and Oppertunities** organized by Lead India Foundationa and JNTUA Anathapuram on 27th July, 2020.
- xxvi. **Dr.K.Ramanjaneyulu**, Professor, **Dr.A Geetha Devi**, Associate Professor, **Mrs.B.V.Subbayamma**, Assistant Professor participated in webinar titled **Py-Talk on Artificial Intelligence** organized by P.V.P Siddhartha Institute of Technology on 27th July 2020.
Resource Person: Mr. L.Ravi Kumar, AI Engineer, Strategy64.Pvt.Ltd, Madhapur, Hyderabad.
- xxvii. **Mrs.B.V.Subbayamma**, Assistant Professor, **Mrs.L.Madhavi Devi**, Assistant Professor participated in webinar titled **Evolution of Phased Arrays for Radars** organized by P.V.P Siddhartha Institute of Technology on 29th July 2020
Resource Person: Dr.Lakshminarayana Scientist-H DLRL/DRDO
- xxviii. **Mrs.V.S.D.Rekha**, Assistant Professor participated in webinar titled **Advanced Antenna Design for Emerging Wireless Technologies** organized by Dept. of ECE, Vidya Jyothi Institute of Technology, Hyderabad in collaboration with ISTE Student Chapter on 1st August, 2020.

- xxix. **Mrs.V.S.D.Rekha**, Assistant Professor participated in one-day National level webinar titled **Bio Inspired Machines and Product Innovations: What can an ECE Professional Learn to emulate from Nature** organized by Dept. of ECE, Madanepalle Institute of Science & Technology, A.P. on 3rd August, 2020.
- xxx. **Mrs.V.S.D.Rekha**, Assistant Professor participated in one-day National webinar titled **Security and Privacy Concerns in Online Teaching -Learning** organized by Internal Quality Assurance Cell, College of Education, Barshi on 5th August, 2020.
- xxxi. **Mr.B.Surya Prasada Rao**, Associate Professor participated in National Level Webinar on **Signal Processing & its Applications using MATLAB** organized by Annamacharya Institute of Technology and Sciences, Kadapa on 12th August, 2020.
Resource Person: Kirthi Devleker
- xxxii. **Mrs.V.S.D. Rekha**, Assistant Professor participated in webinar titled **Applications of Image Processing in Emerging Field with Hands on Tutorial** organized by Dept. of ECE, Malla Reddy Institute of Technology and Science, Telangana on 14th August, 2020.
- xxxiii. **Mr.J.Ravindra Babu**, Associate Professor participated in webinar titled **Design of metamaterial Antenna using CST Software** organized by Antenna club, Jeppiar Institute of Technology on 17th August, 2020.
Resource Person: Dr.N. Marie Wilson
- xxxiv. **Mr. Habibulla Mohammad**, Sr.Assistant Professor participated in webinar titled **Applying Principles of Effective Teaching to Online Instruction in Engineering** organized by BRIGHTALK and ELSEVIER on 26th August, 2020.
Resource Person: 1. Dr. Sarah Wilson, University of Kentucky
2. Dr. David Silverstein, University of Kentucky
- xxxv. **Dr. T.Haritha**, Associate Professor, **Mr. M.Srinivasa Rao**, Associate Professor, **Mrs K.Anitha**, Associate Professor, **Dr. A Geetha Devi**, Associate Professor **Mr. B. Surya Prasada Rao**, Associate Professor, **Mr. Habibulla Mohammad**, Sr.Assistant Professor, **Ms.T.Sushma**, Assistant Professor, **Mrs. V. Ratna Kumari**, Assistant

Professor, **Mrs.B.V. Subbayamma**, Assistant Professor, **Mr. K.Phani Rama Krishna**, Assistant Professor, **Mrs. T. Maha Lakshmi**, Assistant Professor participated in webinar titled **Towards Ubiquitous Millimeter Wave Networks and Application** organized by Dept of ECE, PVPSIT 26th August, 2020.

Resource Person: Dr. Sanjib Sur, Asst.Prof, Computer Science & Engg., University of South Carolina, USA

xxxvi. **Mr. J. Ravindra Babu**, Associate Professor, **Dr. T.Haritha**, Associate Professor, **Mrs K.Anitha**, Associate Professor **Dr.B.Samuyelu**, Sr.Assistant Professor, **Mr.Habibulla Mohammad**, Sr.Assistant Professor, **Ms.T.Sushma**, Assistant Professor, **Mrs. V. Ratna Kumari**, Assistant Professor, **Mrs.D.Hareesha**, Assistant Professor, **Mrs. V.S.D. Rekha**, Assistant Professor, **Mrs. Sri Lakshmi Chandana**, Assistant Professor, **Mrs. D.Praveena Bai**, Assistant Professor participated in webinar titled **LabVIEW for Artificial Intelligence** organized by Dept. of ECE, P V P Siddhartha institute of Technology on 2nd September, 2020.

Resource Person: Ajay Kumar, Founder & CEO, Cognibot Robotics

xxxvii. **Mr. J. Ravindra Babu**, Associate Professor participated in webinar titled **Research Oriented International Webinar Series (ROIWS-20)** organized by Government Engineering College Jagdalpur, Chhattisgarh, India on 13th September, 2020.

Resource Person: 1. Dr. Satyabrata Jit {Professor (HAG), IIT BHU}

2. Dr. Nilkanta Sahu (Asst. Professor, IIT Guwahati)

3. Dr. Premlata Jena (Asst. Professor, IIT Roorkee)

xxxviii. **Mrs. V.S.D. Rekha**, Assistant Professor participated in webinar titled **Writing a Research Paper with ease** organized by Prasad V Potluri Siddhartha Institute of Technology on 29th September, 2020.

Resource Person: Dr N Narasimha Sarma, NVS Director IIIT Tiruchirappalli

xxxix. **Mrs.K.Anitha**, Associate Professor participated in webinar titled **IPR and Innovation Management in Engineering Science** organized by IQAC cell of PVPSIT in association with APSICHE on 8th October, 2020.

Resource Person: 1. Dr Neeraj Saxena, Adviser, AICTE, Delhi
2. Dr B.K.Sahu, Regional Manager and Officer Incharge, NRDC, IPFC and TISC,
Visakhapatnam

- xl. **Mrs.V. Ratna Kumari**, Assistant Professor, **Mrs. V.S.D. Rekha**, Assistant Professor participated in webinar titled **Learn how AI has created new opportunity** organized by Pearson India 10th October, 2020.

Resource Person: Dr. Nageswara Rao, Founder of Nageswararao Datatechs

- xli. **Dr.T.Haritha**, Associate Professor, **Mrs.K.Anitha**, Associate Professor, **Dr.B.Samuyelu**, Sr.Assistant Professor, **Mr.Habibulla Mohammad**, Sr.Assistant Professor, **Ms.T.Sushma**, Assistant Professor, **Mrs.V.Ratna Kumari**, Assistant Professor **Mrs.D.Hareesha**, Assistant Professor, **Mrs.B.V. Subbayamma**, Assistant Professor, **Mrs.B.Swathi Lakshmi**, Assistant Professor, **Mrs.V.S.D.Rekha**, Assistant Professor, **Mrs.Ch.Sri Lakshmi**, Assistant Professor, **Mrs.T.Maha Lakshmi**, Assistant Professor participated in one day online webinar on **New National Education Policy - 2020** organized by P V. P Siddhartha Institute of Technology & P. B. Siddhartha College of Arts & Science, Vijayawada on 13th October, 2020.

Resource Person: 1. Dr K.Bala veera reddy, chair person BOG NITK, Surathkal

- xlii. **Mrs.V.S.D.Rekha**, Assistant Professor participated in webinar titled **System Engineering Aspects of Artificial Intelligence in Robotics** organized by ISRO Bangalore on 14th October, 2020.

Resource Person: 1. Dr Steve Chien NASA USA

2. Dr Robie Samanta Roy Vice President Lockheed Martin USA

3. Mr Jagdish Mitra Chief Strategic Officer & Head of Growth Tech Mahindra India

- xliii. **Dr.C.Subba Rao**, Professor participated in webinar on **AICTE Institutional Development Schemes** organized by AICTE on 20th October, 2020.

- xliv. **Mrs. V. Ratna Kumari**, Assistant Professor, **Mrs.D.Hareesha**, Assistant Professor, **Mrs. Ch.Sri Lakshmi**, Assistant Professor participated in 5-day webinar on **Image**

processing using MATLAB organized by APSSDC and Pantech Prolabs India pvt. ltd. from 2nd – 6th November, 2020.

Resource Person: Jeeva Rajan M K, Director, Pantech prolabs

xliv. **Mrs.D.Hareesha**, Assistant Professor participated in webinar titled **Wellness and Hygiene** organized by Women Cell, PVPSIT 6th November, 2020.

Resource Person: 1. Dr.P.Jagadeesh, MBBS, MD General Medicine
2. Dr.Harsha Veena, MBBS, MD Radiology

xlvi. **Mrs.K.Aruna Kumari**, Sr. Assistant Professor participated in a one day National Webinar on **Preamble, Constitutional Values and Fundamental Principles of Indian Constitution** organized by the Department of political science, BLDEA'S Smt. Bangaramma Sajjan Arts and Commerce College for Women, Vijayapura on 26th November, 2020.

xlvii. **Mrs.K.Aruna Kumari**, Sr. Assistant Professor participated in online webinar titled **Idea to Innovation and Filing of Patent** organized by delivered by Sri Subrat Sahu, Examiner of Patents & Design, Indian Patent Office, Delhi organized by Internal Quality Assurance Cell (IQAC) & Centre for Innovation, Incubation and Entrepreneurship (CIIE) Research & Development Cell Science City of Andhra Pradesh, Govt. of AP. on 27th November 2020.

xlviii. **Mr. J. Ravindra Babu**, Associate Professor participated in webinar titled **Idea to Innovation and Filing of Patent** organized by Internal Quality Assurance Cell (IQAC) Centre for Innovation, Incubation and Entrepreneurship (CIIE) Research & Development Cell Science City on 27th November, 2020.

Resource Person: Sri.Subrat Sahu, Examiner of Patents & Designs, Indian Paten Office, Delhi

xliv. **Dr.C.Subba Rao**, Professor attended virtual summit with industries/start-ups on **Indigenous Magnetic Resonance Imaging (IMRI) - A national Mission**. Conducted by Rajesh Harsh, Chief Investigator, IMRI-project, SAMEER, IIT Campus, Mumbai on 04th December, 2020.

1. **Dr. K. Ramanjaneyulu**, Professor, **Mr. Habibulla Mohammad**, Sr.Assistant Professor, **Mrs.B.V. Subbayamma**, Assistant Professor participated in webinar titled **Role and Significance of Patents in Academia** organized by IQAC & Department of CSE, VRSEC and AICTE Margdarshan on 5th December, 2020.
Resource Person: Dr.D.Rajeswara Rao
- ii. **Dr. K. Ramanjaneyulu**, Professor participated in the University Distinguished Lecture titled **Art of Science in the Time of Virus and Beyond: The Brave New World** organized by SRM University-AP on 05th December, 2020.
Resource person: Prof. Ashutosh Sharma, Secretary, Department of Science and Technology (DST), Government of India
- lii. **Dr. K. Ramanjaneyulu**, Professor participated in a webinar on **National Education Policy 2020 – Autonomy – Issues and Challenges** organized by NITTTR Bhopal on 10th December 2020.
Resource person: Prof. B. L. Gupta, Professor, Department of Management, NITTTR
- liii. **Dr.C.Subba Rao**, Professor, **Mrs.D.Hareesha**, Assistant Professor, **Mrs. V.S.D. Rekha**, Assistant Professor participated in webinar titled **Framing COs and their mapping with POs** organized by Dept.of ECE, PVPSIT on 11th December, 2020.
Resource Person: Dr P V D Somasekhar
- liv. **Mrs.K.Anitha**, Associate Professor, **Ms.T.Sushma**, Assistant Professor, **Mrs. V. Ratna Kumari**, Assistant Professor, **Mrs.D.Hareesha**, Assistant Professor, **Mrs.B.V. Subbayamma**, Assistant Professor, **Mrs. V.S.D. Rekha**, Assistant Professor, **Mrs. T. Maha Lakshmi**, Assistant Professor participated in webinar titled **Legal Awareness with Special Reference to Digital Etiquette** organized by Womens cell of PVPSIT and P.B.Siddhartha college of Arts & Science on 16th December, 2020.
Resource Person: Rahimunnisa Begum, Standing Committee Member, All India Womens Conference, New Delhi

COURSERA

S. No	Faculty Name	Designation	Course Registered	University	Completed on
1.	Mr. J. Ravindra Babu	Associate Professor	IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies	Yonsei University	03.09.2020
			Smart Device & Mobile Emerging Technologies	Yonsei University	05.08.2020
			wireless communications for everybody	Yonsei University	08.07.2020
	Mrs.A.Geetha Devi	Associate Professor	Introduction to Deeplearning	Higher school of Economics National Research University	04.07.2020
2.	Md. Habibulla,	Sr. Assistant Professor	Wireless Communications for Everybody	Yonsei University	07.07.2020
			Introduction to Satellite Communications	Institut Mines - Telecom	02.09.2020
3.	Mrs.D.Hareesha	Assistant Professor	Improving Deep Neural Networks: Hyper parameter tuning, Regularization and Optimization	Deeplearning.ai	01.07.2020
			Getting Started with Power BI Desktop	Deeplearning.ai	01.07.2020
			Structuring Machine Learning Project	Deeplearning.ai	15.10.2020
4.	Mr.K.Phani Rama Krishna	Assistant Professor	Wireless Communications for Everybody	Yonsei University	06.07.2020
5.	Mrs. V.S.D.Rekha	Assistant Professor	Introduction to Programming with MATLAB	Vanderbilt University	03.08.2020
6.	Mrs. D.Swathi	Assistant Professor	Introduction to Programming with MATLAB	Vanderbilt University	07.07.2020
7.	Mrs. T. Maha Lakshmi	Assistant Professor	Introduction Programming with MAT Lab	Vanderbilt University	06.07.2020

3. Publications/Presentations by the faculty:

Publications by the faculty:

- i. **Ms. T. Maha Lakshmi**, Assistant Professor published a paper entitled **Adaptive Filter with Type-2 Fuzzy System and Optimization-Based Kernel Interpolation for Satellite Image Denoising**- The Computer Journal, ISSN: 0010-4620, Vol:63, Issue:6, Page No: 913-926, Jun-2020. (SCI)
- ii. **Mrs.V.S.D.Rekha**, Assistant Professor published a paper entitled **Dual Band Notched Orthogonal 4-Element MIMO Antenna With Isolation for UWB Applications** - IEEE Access ISSN: 2169-3536, Vol:8, Issue:3, Page No: 145871-145880, DOI: 10.1109/ ACCESS. 2020. 3015020, Aug-2020.
- iii. **Ms T. Sushma**, Professor published a paper entitled **Performance Enhancement Of Cell Edge User Ber With Noma-Igssk In Wireless 5G** - International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol:29, Issue:7, Page No: 14588-14596, Sep-2020.
- iv. **Mrs. K. Aruna Kumari**, Sr. Assistant Professor published a paper entitled **A Novel Unconstrained Precoding Technique for Channel Estimation Millimeter Wave Communication in 5G** - International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol:29, Issue:8, Page No: 5413 – 5424, Oct-2020.
- v. **Dr. K. Ramanjaneyulu**, Professor published a paper entitled **Circularly Polarized Tapered Slotted Num Reflector Based S Shaped Multi Band Circular Microstrip Antenna** - International Journal of Advanced Science and Technology, ISSN: 2005-4238, Vol:29, Issue:8, Page No: 5425 – 5432, Oct-2020.
- vi. **Mr.T.Balaji**, Sr. Assistant Professor published a paper entitled **A Prediction of Crops using Machine Learning Techniques** - Journal of Green Engineering, ISSN: 1904-4720(Print),2245-4586(online), Vol:10, Issue:11 Page No: 12392-12403, Nov-2020.
- vii. **Mr. J. Ravindra Babu**, Associate Professor, **Mr.T.Balaji**, Sr. Assistant Professor published a paper entitled **Performance Improvement And Complexity Reduction in Multiuser Detection Using Partial Pre-Coding Techniques** - International Journal

of Innovations In Engineering Research And Technology, ISSN: 2394-3696, Vol:7, Issue:12 Page No: 7-14, Dec-2020.

- viii. **Mr. J. Ravindra Babu**, Associate Professor, **Mr.T.Balaji**, Sr. Assistant Professor published a paper entitled **BER Performance of Multi-User Mc-Ds-Cdma Using Spreading Codes in Fading Channels** - International Journal of Electrical and Electronics Research , ISSN: 2348-6988, Vol:8, Issue:4, Page No: 43-47, Dec-2020.
- ix. **Mr. Phani Rama Krishna**, Assistant Professor, **Mr. Habibulla Mohammad**, Sr.Assistant Professor published a paper entitled **Reduction Of PAPR in Orthogonal Frequency Division Multiplexing System Using Optimization Methods** - International Journal of Electrical and Electronics Research, ISSN: 2348-6988, Vol:8, Issue:4, Page No: 48-53, Dec-2020.

Papers presented in Seminars/Conferences/Symposiums by the faculty:

- i. **Mrs.V.Ratna Kumari**, Assistant Professor presented a paper entitled **Smart Surveillance Robot using Object** - ICCSP-2020 organized by Adhi Parasakthi Engineering College, DOI: 978-1-7281-4987-5/20, August-2020.
- ii. **Dr. K. Ramanjaneyulu**, Professor presented a paper entitled **IOT Based Occlusion Invariant Face Recognition System** - International Conference on Intelligent Computing And Communication (ICICC-2020) organized by Springer and Dayananda Sagar University, September-2020.
- iii. **Dr.Ch.Gangadhar**, Associate Professor, **Md. Habibulla**, Sr. Assistant Professor presented a paper entitled **FPGA Implementation of Image Compression Using Compressive Sensing** - 4th International Online Multidisciplinary Research Conference organized by Conference World at Osmania University Centre for International Program, Osmania University Campus, Hyderabad (India), ISN: 978-93-86171-28-3, October-2020.
- iv. **Dr.Ch.Gangadhar**, Associate Professor presented a paper entitled **FPGA Implementation of Discrete Wavelet Transform based Orthogonal Frequency Division Multiplexing** - International Conference on Innovations in Electronics, Communication, Computing & Automation (ICIECCA-2020), organized by

Microelectronics Research Group, Department of Electronics and Communication Engineering, Koneru Lakshmaiah Education Foundation, Guntur, Andhra Pradesh, India, in association with IETE Vijayawada chapter, held from 23rd - 25th November-2020.

- v. **Dr.Ch.Gangadhar**, Associate Professor and **Mr. Md. Habibulla**, Sr. Asst. Professor presented a paper entitled **Image transmission through Discrete Wavelet Transform based Orthogonal Frequency Division Multiplexing using Orthogonal Matching Pursuit** - International E-Conference - on Energy, Control, Computing and Electronic Systems at Sri Vidyanikethan Engineering College, Thirupathi, from 27th - 29th November-2020.
- vi. **Dr. K. Ramanjaneyulu**, Professor presented a paper 1570680232 - **Childhood Medulloblastoma Classification Using Efficient Nets** in Track – Industrial 4.0 in IEEE Bombay Section Signature Conference – 2020 and received Promising Paper Award held during 4th - 6th December-2020.
- vii. **Mrs.V.S.D.Rekha**, Assistant Professor participated and presented a paper titled **Analysis of MRI and CT Medical Image Fusion Using Synchronized Anisotropic Diffusion Model** - AICTE sponsored national E-Conference on Technology for Impactful and Sustainable Development of the Society, TISDS-2020, organized by department of ECE, G.Pullaiah College of Engineering and Technology, Kurnool, Andhra Pradesh on 16th December, 2020.

Book chapters

- i. **Mr.Surya Prasada Rao Borra**, Associate Professor, **Dr.Rajesh k Panakala**, Professor published a book chapter **VLSI Implementation of Medical Image Fusion Using DWT-PCA Algorithms** in Field Programmable Gate Arrays (FPGAs) II, Sep-2020.

Patents Published

- i. **Dr.C.Subba Rao**, Professor published a patent — **Biconical Linear Antenna Array** with the application no: 202041031065 on 31-07-2020.
(**Granting Organization:** Controller General of Patents, Designs And Trade Marks- Ministry Of Commerce And Industry)

- ii. **Dr. Haritha Thotakura**, Associate Professor published a patent — **A Smart Multi-mode Floor Cleaning Device** with the application no: 202041038378A on 11-09-2020 (**Granting Organization:** Official Journal of Patent Office)
- iii. **Mr.P. Venu Madhav**, Assistant Professor published a patent — **A Disinfectant System for UV Based Germicide** with the application no: 202041038516 A on 18-09-2020. (**Granting Organization:** Patent Office Chennai)
- iv. **Mr.Samuyelu Bommu**, Sr. Assistant Professor published a patent — **Framework for Optimal Conformal Antenna Designs** with the application no: 202041040269 on 23-10-2020. (**Granting Organization:** Indian Patent office)
- v. **Mr.Mannava Srinivasa Rao**, Associate Professor published a patent — **Ship Detection System From The Sar Images By Saliency Segmentation** with the application no: 202041048454A on 05-11-2020.
- vi. **Mr.Mannava Srinivasa Rao**, Associate Professor published a patent — **Peak To Average Power Ratio Reduction Method For MIMO-OFDM System** with the application no: 202041049074A on 13-11-2020. (**Granting Organization:** Official Journal of Patent Office)
- vii. **Mrs. Komma Anitha**, Associate Professor published a patent — **Online Teaching System Using Artificial Intelligence and Digital Pad** with the application no: 202041047698A on 13-11-2020. (**Granting Organization:** Official Journal of Patent Office)
- viii. **Dr.A.Geetha Devi**, Associate Professor published a patent — **Smart IOT Based System For Home Automation System** with the application no: 202041049557 on 20-11-2020 (**Granting Organization:** Department of Industrial Policy and Promotion, Ministry Of Commerce And Industry)
- ix. **Mr. Habibulla Mohammad**, Sr. Assistant Professor, **Mr.K Phani Rama Krishna**, Assistant Professor published a patent — **Voice Based Smart Home Automation System** with the application no: 202041050057 on 27-11-2020. (**Granting Organization:** Indian Patent office)

- x. **Mr.B. Surya Prasada Rao**, Associate Professor, published a patent — **Expert System for Detecting Drowsiness in Drivers** with the application no: 202041050058 on 27-11-2020. (**Granting Organization:** Intellectual Property India)
- xi. **Dr. Ch. Gangadhar**, Associate Professor and **Mr. Habibulla Mohammad**, Sr. Assistant Professor published a patent — **A System for Monitoring Water Quality On Real-time Basis, A Device And A Method Thereof** with the application no: 202041054841A on 25-12-2020. (**Granting Organization:** The Patent Office India Journal No. 52/2020 Dated 25/12/2020)
- xii. **Dr. A.Geetha Devi**, Associate Professor published a patent : **Ipce- Mobile Ad Hoc Network System: Intelligent Mobile Ad Hoc Network(manet) providing Connectivity Enhancement System with application No: 202041053080**, dt. 25-12-2020 (**Granting Organization** INDIAN PATENTS OFFICE)

4. Faculty Achievements (Higher Qualification awarded, guest lectures given, awards and rewards, acted as a Judge or Resource person etc.):

- i. **Dr.C.Subba Rao**, Professor delivered expert talk on **Criterion III** in a workshop on **NAAC Accreditation Process** organized by PVPSIT under UGC Paramarsh Scheme on 18th June, 2020.
- ii. **Mrs. D.Hareesha**, Assistant Professor registered for Ph.D at JNTUK, Kakinada, on 7th September, 2020.
- iii. **Dr. P. Rajesh Kumar**, Professor & HoD acted as subject expert in **Innovation Day Celebrations** organized by Dept. of Electronics & Communication Engineering, VRSEC, Vijayawada on 15th October, 2020 in commemoration of 89th birth Anniversary of Bharata Ratna Dr.APJ Abdul Kalam.
- iv. **Dr. K. Ramanjaneyulu**, Professor acted as resource person for AICTE Sponsored Short Term Training Program (STTP) during 26th – 31st October, 2020 on **Advances in Remote Sensing and its Applications** and delivered a lecture on **Security A aspects of Remote Sensing Images** on 26th October, 2020.

- v. **Mrs. D.Swathi**, Assistant Professor registered for Ph.D at Andhra University, Visakhapatnam on 4th November, 2020.
- vi. **Mrs. D.Praveena Bai**, Assistant Professor registered for Ph.D at Andhra University, Visakhapatnam on 4th November, 2020.
- vii. A certificate of appreciation is presented to **Mr.Haji Mohammad Habibulla**, Sr.Assistant Professor in appreciation for fostering the ecosystem bridging Government, Academia & Industry related to course TI- Embedded System Design using MSP430 MCU MOOC conducted by Texas Instruments in association with AICTE.
- viii. **Dr.K.Ramanjaneyulu**, Professor received Promising Paper Award for the paper 1570680232 - **Childhood Medulloblastoma Classification Using Efficient Nets** in Track – Industrial 4.0 in IEEE Bombay Section Signature Conference – 2020 full virtual conference held during 4th - 6th December 2020.

5. Students qualified in GATE/IELTS/GRE/TOEFL and other competitive Examinations:

Sl.No.	Reg. No. of the student	Name of the student	Qualifying Exam	Rank
1	16501A0436	Hanitha Devi Gundabattula	GATE-20	7509
2	16501A0448	Katuri Keerthana	GATE-20	6279
3	16501A0495	Vineel Saraswathi	IELTS	7
4	16501A0490	Siva Sanjay Pinnaka	GRE	303
5	16501A0426	Pallavi. Dasari	AP PGECET	2955
6	17505A0408	Kamidi Ravitheja	AP PGECET	767
7	16501A04A3	Somana Jyothika	AP PGECET	767
8	17505A0406	Gandham Vidya Rani	AP PGECET	3017
9	17505A0411	Lanke Meena	AP PGECET	923
10	16501A0452	Kolusu Vivya	AP PGECET	524
11	16501Ao477	Nandeti Josephin Sowgandhika	AP PGECET	923
12	16501A0439	Jogi.Kavya sri	AP PGECET	767
13	17505A0414	Muvvala Roja	AP PGECET	1747
14	17505A0410	Krishnamsetty Anusha Rani	AP PGECET	2725
15	16501A0480	Narni Avinash	AP PGECET	279

6. MOUs Signed:--

- i. Memorandum of Understanding (MOU) with M/s. **OPTITHOUGHT** on 22nd September, 2020, Vijayawada.

7. Students' achievements:

a) Presentation/Participation in Seminars/Conferences/Workshops/Academic awards:

i. Students Participation

i. Details of IV B.Tech. Students completed course in Coursera

Sl. No.	Reg.No.	Name of the Student	Course Completed in Coursera
1	17501A0415	Harika Bysani	Python Classes and Inheritance
2	17501A0416	Monikachaganti	Cybersecurity and the Internet of Things
3	17501A0430	Pavan Kalyan Edipilli	Introduction to the Internet of Things and Embedded Systems
4	17501A0443	Vijaya Sree Janjanam	SQL for data science
5	17501A0446	Jahnvi Kagitha	Python functions, files and dictionaries
6	17501A0451	Kogili Pranay Sagar	Web Application Technologies and Django Building Web Applications in Django
7	17501A0453	Manasa Kolachalama	matrix algebra for engineers Introduction to Ordinary Differential Equations Introduction to the Internet of Things and Embedded Systems
8	17501A0454	Ajaybabu Kollipaka	The Arduino Platform and C Programming The Arduino Platform and C Programming
9	17501A0459	Bhargavi Maadu	Programming for Everybody (Getting Started with Python)
10	17501A0461	Anitha Chowdary Mandhapati	AI For everyone
11	17501A0482	Sathvik Bhargav Peddinti	Data Collection and Processing with Python Python Classes and Inheritance Introduction to Applied Machine Learning
12	17501A0483	Venkat Piduru	python classes and inheritance
13	17501A0489	Rafiqunnisa	Machine Learning With Python And R-Programming
14	17501A0493	R. PoojithaRavuri	Getting started with AWS Machine Learning
15	17501A04A6	Sudula Neelavathi	Python for everybody C for everybody
16	18505A0423	Sri Sai Akhileswar Vejendla	Python Data Structures

Details of III B.Tech. Students completed course in Coursera

S.No.	Reg.No.	Name of the Student	Course Completed in Coursera
1.	18501A0402	Adapa Sri Sai Poojitha	Learning How to learn : Powerful mental tools to help you master tough subjects
2.	18501A0407	Angirekula Sravya	AI for everyone
3.	18501A0429	Chivukula Sai Mohana Vamsi	1.Python Basics
			2. Python Files Function and Dictionaries
			3.Data collection and processing with python
			4.Python classes and Inheritance
			5.Pyhton project Pillow Tessaract and OpenCV
4.	18501A0430	Damarla Vijay Venkata Kranthi Kumar	1.Interfacing with the Raspberry Pi
			2.Programming for the Internet of Things Project
			3. Using Python to Access Web Data
5.	18501A0432	Desaboyina Jahnvi	1.Introduction to HTML5
			2. Create charts & dashboards using google sheets
6.	18501A0433	Devarapalli Wiggles Robert	Programming for Everybody (Getting Started with Python)
7.	18501A0447	Surakasi Jahnvi	Introduction to the Internet of things and Embedded Systems
8.	18501A0451	Jupalli Manisha	Programming for Everybody (Getting Started with Python)
9.	18501A0454	Karri Hari Hara Venkata Koteswararao	Introduction to Git and GitHub
10.	18501A0457	Kodapalli Hemanth Kumar	Mind shift:Break Through Obstacles to Learning and Discover Your Hidden Potential
11.	18501A0459	Kolli Sasi Rekha	Excel for Business:Intermediate_1
12.	19505A0401	Boggavarapu Bala Venkateswara Gupta	IT Security: Defense against the digital dark arts
13	18501A0463	K. Jaswanth Raghu	1. IBM Cybersecurity Analyst Professional Certificate
			2. IT Fundamentals for Cybersecurity
			3. Security Analyst Fundamentals
			4. Introduction to Cybersecurity Tools & Cyber Attacks
			5. Cybersecurity Roles, Processes & Operating System Security
			6. Cybersecurity Compliance Framework & System Administration
			7. Network Security & Database

			Vulnerabilities
			8. Penetration Testing, Incident Response and Forensics.
			9. Cyber Threat Intelligence
			10. Cybersecurity Capstone: Breach Response Case Studies
			11. IBM Cybersecurity Analyst Assessment
			12. Web Application Security Testing with OWASP ZAP
14.	18501A0464	Kopanathi Sai keerthi	Python Data structures
15	18501A0465	Kothagundla Sai Ramya	Python Data structures
16	18501A0466	Krithika Nandha Kumar	Python Data structures
17	18501A0473	Maganti Viharika	Python Data structures
18	18501A0483	Oruganti Tiru Venkat	Programming for Everybody (Getting Started with Python)
19	18501A0485	Peram Lakshmi kumari	Python Data structures
20	18501A0498	Shaik Azizul Usman	Programming for Everybody (Getting Started with Python)
21	18501A04A0	Srungaram Lakshmi Krishna Sri	Programming for Everybody (Getting Started with Python)
22	18501A04A2	Suvarapu Sri Charitha	Python data structures
23	18501A04A8	Tiruvedhula Divya	AI for everyone
24	18501A04A9	Tommandru Lavanya	Introduction to python
25	18501A04B3	Vantaram Tushar	Technical support fundamentals
26	18501A04B4	Vedantam Sri Venkata Bharath	Technical support fundamentals
27	18501A04B6	Vemireddy.Pakeer Naidu	Introduction to AI

ii. NPTEL online certification: NPTEL online certification course was conducted by IIT Jammu. Exam was conducted on 20th December, 2020. 117 students registered for Embedded Systems MOOCs Course offered by AICTE & TI. Following are the details of certified students.

S.No.	Roll No.	Year of Study	Nam Of The Student	Status
1	17501A0404	IV	Ayinapuru Dharani Sudha	Completed Successfully
2	17501A0405	IV	Batta Harish	ELITE
3	17501A0407	IV	Bhimavarapu Harshavardhini	Completed Successfully
4	17501A0409	IV	Bommareddy Sai Bhargav Reddy	Completed Successfully
5	17501A0411	IV	Boppa Yuva Sri Lakshmi Anjanavathi	ELITE
6	17501A0412	IV	Bopparaju Bhagya Lakshmi	Completed Successfully
7	17501A0413	IV	Boyapati Vivek	Completed Successfully
8	17501A0414	IV	Budhala Sushma	Completed Successfully
9	17501A0415	IV	Bysani Harika	Completed Successfully
10	17501A0425	IV	Ddivvela Jahnvi Kumari	Completed Successfully
11	17501A0428	IV	Durga Sai Lavanya Senagavarapu	Completed Successfully
12	17501A0429	IV	Edara Pravineeth	Completed Successfully
13	17501A0430	IV	Edipilli Pavan Kalyan	Completed Successfully
14	17501A0432	IV	Ganala Gopi Srinivas Manikanta	ELITE
15	17501A0439	IV	Gunda Adi Narayana	Completed Successfully
16	17501A0441	IV	Hamsala Geetha Sesha Harika	ELITE
17	17501A0443	IV	Janjanam Vijaya Sree	Completed Successfully
18	17501A0444	IV	Jonnala Sravya	Completed Successfully
19	17501A0446	IV	Kagitha Jahnvi	Completed Successfully
20	17501A0452	IV	Kokkirigadda Silpa Sudharshini	Completed Successfully
21	17501A0457	IV	Kuchipudi Shabnum	Completed Successfully
22	17501A0459	IV	Maadu Bhargavi	Completed Successfully
23	18505A0408	IV	Donepudi Gehika	Completed Successfully
24	17501A0461	IV	Mandhapati Anitha Chowdary	Completed Successfully
25	17501A0462	IV	Mannam Gopi Chandana	Completed Successfully
26	17501A0465	IV	Menda Lohitha Chandramukhi	Completed Successfully
27	17501A0469	IV	Morampudi Leela Vamsi Arun Chandu	Completed Successfully
28	17501A0471	IV	Naaga Gopi Krishna Reddy	Completed Successfully
29	17501A0476	IV	Neppalli Bharath Kumar	Completed Successfully
30	17501A0481	IV	Parvatham Saimaruthikavya	Completed Successfully

31	17501A0483	IV	Piduru Venkat	Completed Successfully
32	17501A0486	IV	Polaki Bhargav	Completed Successfully
33	17501A0488	IV	Pulipati V. Naga Durga Sai Meghana	Completed Successfully
34	17501A0489	IV	Rafiqunnisa	Completed Successfully
35	17501A0490	IV	Rajulapati Veera Venkata Tejasri	Completed Successfully
36	17501A04A4	IV	Simhana Tejasree	Completed Successfully
37	17501A04A6	IV	Sudula Neelavathi	Completed Successfully
38	17501A04A8	IV	Tangellamudi Sai Charitha	Completed Successfully
39	17501A04A9	IV	Tatavarthi Venkata Sai Teja	Completed Successfully
40	17501A04B1	IV	Thota Vara Prakash	Completed Successfully
41	17501A04B3	IV	Undi Lekhana	Completed Successfully
42	17501A04B6	IV	Vuyyuru Yogeswari	ELITE
43	18505A0416	IV	Naga Tejaswini Popuri	ELITE
44	18505A0418	IV	Pagolu Naga Lakshmi	Completed Successfully
45	18505A0423	IV	Vejendla Sri Sai Akhileswar	Completed Successfully

8. Consultancy:

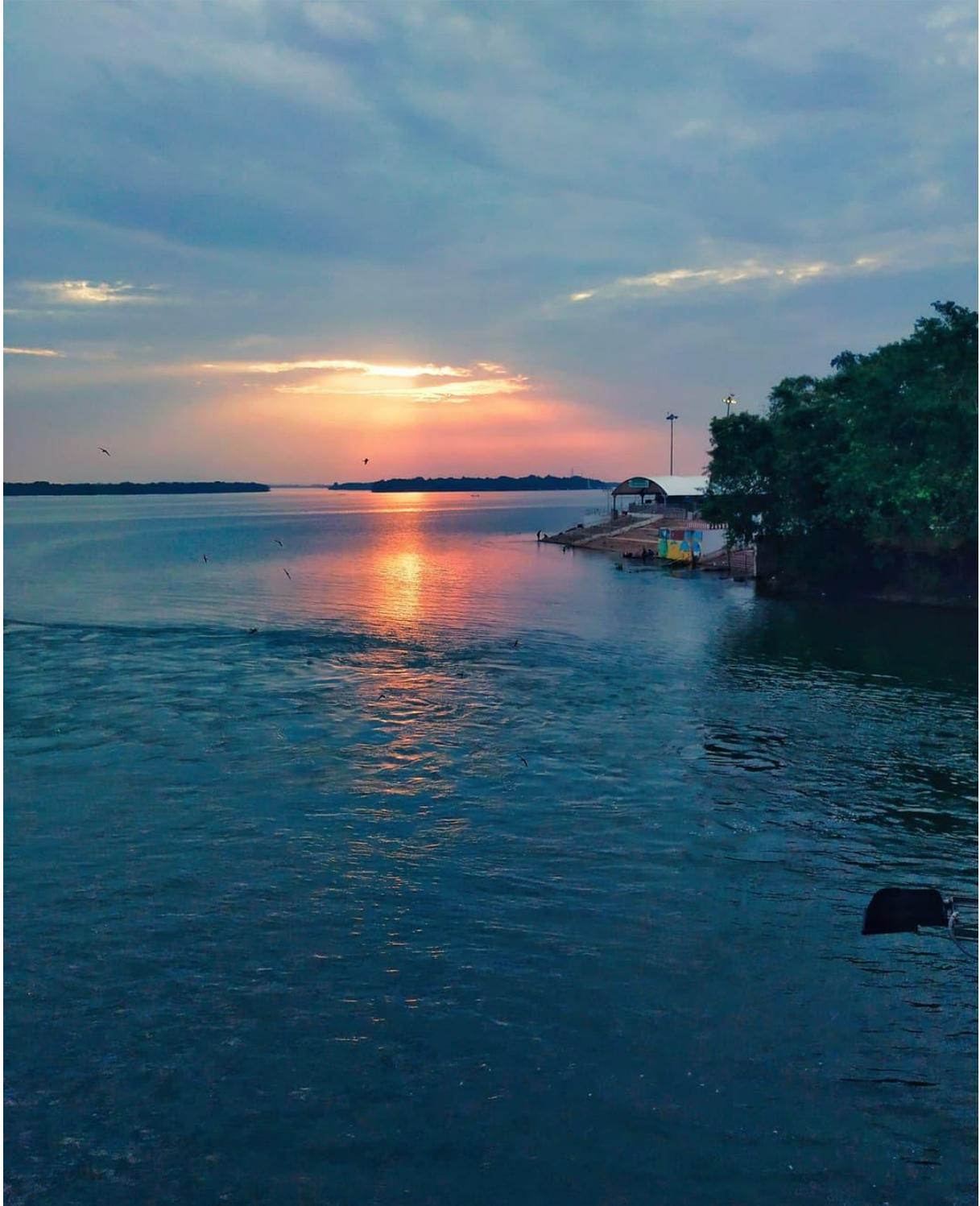
A track follower robotic system is being developed for **AMMA_NANA** old age home for delivering items to each cot in a hall and takes request from each individual – It uses RFID to identify the cot and stop there for few minutes.

Monkeys Repellent: An Electronic System which emits ultra sound signals to create irritation for monkeys has been developed. We have experimented with a demo version and its working condition is satisfactory till now. Recently ₹ 11,000/- is received for making one such system.

9. Students Contribution

The water was glassy and calm, still candy-colored in the afterglow of sunset

Location: Prakasam barrage, Vijayawada



Saw a dead tree beautifully

Location: PVPSIT



Mahammad Noorjaha Bhanu, (18501A0474), III B.Tech

