



NELENA

(News of Electrical Engineers Activities)

A Half Yearly News Letter Department of Electrical and Electronics Engineering

PVP Siddhartha Institute of Technology
Autonomous & Permanent Affiliation to JNTUK, Kakinada
AICTE Approved, Accredited with A⁺ grade by NAAC, NBA Accredited and
ISO 9001: 2015 certified Institution
(Sponsored by Siddhartha Academy of General and Technical Education)
Kanuru, Vijayawada- 520007

Volume: 16

January-June-2020

Faculty Incharge :

Mrs. R.Swathi
Mr. B.Balasaibabu

President

1. MOU's Executed

2. Faculty

Publications

(i) International Journals

(ii) International

Conferences

3. Programmes

Organised

4. Programmes

attended by staff

(seminars / guest

lectures / workshops)

5. Faculty

Achievements

6. Faculty Interaction

Quotation

"Be miserable. Or motivate yourself. Whatever has to be done, it's always your choice."

Wayne Dyer

MOU's EXECUTED:

Department executed MOU's with the following firms during April-June 2019

- M/s G.S. Electricals, Vijayawada
- M/s Vijay Electricals, Vijayawada
- M/s Dr. NTPPS, Ibrahimpatnam
- Power Lab Instruments ,Chennai

FACULTY PUBLICATIONS:

International Journals:

1. **KARUNAKAR PATCHALA**, "Triple band notch compact MIMO antenna with defected ground structure and split ring resonator for wideband applications", Heliyon 6, e03078, January 2020, PP: 1-7, ISSN: 2405-8440

(Scopus Indexed)

2. **T. NARASIMHA PRASAD**, "A Unified Droop Control Strategy For DC Bus Voltage Regulation And Mppt Control of Multi Input Bi-Directional DC-DC Converter in AC-DC-Micro grid", JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES, Special Issue, No.-5, January (2020) pp 408-423, ISSN: 2454 -7190 (ESCI, WOS)

3. Dr **P. MUTHUKUMAR**, “Discrete Current Sensing and Incremental Conductance Algorithm for PV System”, The International journal of analytical and experimental modal analysis, Volume XII, Issue I, January/2020, pp. 574-581.
4. Dr **A.ANBARASAN**, “A novel non-isolated high step-up DC–DC boost converter using single switch for renewable energy systems” Springer - Electrical Engineering, ISSN: 1432-0487 // <https://doi.org/10.1007/s00202-019-00904-8>, 2020. (SCI indexed)
5. Dr **KANAGASABAI LENIN**, “Advanced teaching-learning-based optimization algorithm for actual power loss reduction”, International Journal of Robotics and Automation (IJRA) Vol.8, No.1, March 2020, pp. 46~50 ISSN: 2089-4856, DOI: 10.11591/ijra.v8i1.
6. Dr **K. LENIN**, “Minimization of real power loss by enhanced teaching learning based optimization algorithm”, International Journal of Robotics and Automation (IJRA) Vol.9, No.1, March 2020, pp. 1~5 ISSN: 2089-4856, DOI: 10.11591/ijra.v9i1.
7. Mrs. **RAGALEELA DALAPATI RAO**, Dr **PADMANABHA RAJU CHINDA**, “Application of P-Q Vector Diagram Method for Reliving overloads in Restructured Power Networks”, International Journal of Advanced Science and Technology, 2020, Vol.29, No.3, PP: 4781 – 4790, Impact factor: 0.13, ISSN: 2005-4238. (Scopus Indexed).
8. Mr.**HEMANTH SAI MADUPU**, Dr **VIJAYAANAND NIDUMOLU**, Mrs. **RAGALEELA DALAPATI RAO** and Dr **PADMANABHA RAJU CHINDA**, “Energy Monitoring Using IOT”, International Journal of Advanced Science and Technology, 2020, Vol.29, No.3, PP: 7259 - 7266, ISSN: 2005-4238. Impact factor: 0.13 (Scopus Indexed).
9. Dr **N.VIJAYA ANAND**, Mrs. **RAGALEELA DALAPATI RAO** and Dr **PADMANABHA RAJU CHINDA**, “Hybrid Optimal Approximation of MIMO System”, International Journal

of Control and Automation, Vol. 13, No. 2, 2020, PP. 723 – 731, Impact factor: 0.13, ISSN: 2005-4297(Scopus Indexed).

10. RAGALEELA DALAPATI RAO “Prevention of Road Accidents by Using Smart Device” International Journal of Control and Automation, Vol. 13, No. 2, March 2020, PP. 965 - 973, Impact factor: 0.13, ISSN: 2005-4297
11. PADMANABHA RAJU CHINDA, RAGALEELA DALAPATI RAO, “Design and Fabrication of Robotic Arm”, International Journal of Control and Automation, Vol. 13, No. 2, March 2020, PP. 974 - 981, Impact factor: 0.13, ISSN: 2005-4297
12. M. HEMANTH SAI, PADMANABHA RAJU CHINDA, “Optimal Scheduling of Hybrid Renewable Energy Systems in a Microgrid”, International Journal of Control and Automation, Vol. 13, No. 2, March 2020, PP. 982 - 992, Impact factor: 0.13, ISSN: 2005-4297
13. Dr K. LENIN, “Real Power Loss Reduction by the Cultivation of Soil Optimization Algorithm”, Journal of Engineering Sciences, Vol. 7(1), pp. E1–E5, 2020, ISSN: 2312-2498, DOI: 10.21272/jes.2020.7(1).e1
14. Dr KANAGASABAI LENIN, “Enhanced wormhole optimizer algorithm for solving optimal reactive power problem”, International Journal of Informatics and Communication Technology (IJ-ICT) Vol.9, No.1, April 2020, pp. 1~8 ISSN: 2252-8776, DOI: 10.11591/ijict.v9i1.pp1-8
15. Dr LENIN KANAGASABAI, “Enhanced whale optimization algorithm for active power loss diminution”, International Journal of Informatics and Communication Technology (IJ-ICT) Vol.9, No.1, April 2020, pp. 20~24 ISSN: 2252-8776, DOI: 10.11591/ijict.v9i1.pp20-24

16. Dr **KANAGASABAI LENIN**, “Partition of spaces based algorithm for reduction of real power loss”, International Journal of Applied Power Engineering (IJAPE) Vol. 8, No. 1, April 2020, pp. 1~5 ISSN: 2252-8792, DOI: 10.11591/ijape.v8.i1.pp1-5
17. Dr **A.ANBARASAN**, Dr **P.MUTHUKUMAR** “HPSOMPC Control of Bidirectional Series Resonant DC/DC Converter” International Journal of Test Engineering and Management, Vol.83, Issue: March-April 2020, ISSN: 0193-4120, pp:1305-1310 (**Scopus Indexed**)
18. Mrs. **K.BHAVANA**, Mrs. **B.LALITHA** and Mr. **T. SRINIVASA RAO** “Implementation of Cascaded H-Bridge Multilevel Inverter for Single Phase Induction Motor by Using Labview-MyRio”, International Journal of Test Engineering and Management, Volume 83 PP: 1322 -1326, Issue: March-April 2020, ISSN: 0193-4120. (**Scopus Indexed**)
19. Dr **C.KUMAR**, Dr **PADMANABHA RAJU CHINDA**, Mrs. **RAGALEELA DALAPATI RAO**, “Programmed Vehicle Mishap Area Identification and Informing Module”, International Journal of Advanced Science and Technology, Vol. 29, No. 5, 2020, PP:8212-8221, Impact factor: 0.13, ISSN: 2005-4238
20. Dr **PADMANABHA RAJU CHINDA**, “Energy Management in Smart Grid with Various Load Patterns”. International Journal of Advanced Science and Technology, 2020, Vol. 29 No. 05, PP: 3257 – 3265, Impact factor: 0.13, ISSN: 2005-4238. (**Scopus Indexed**).
21. Mr.**B. BALA SAIBABU** ,“Region of Stability for Single and Two Area Load Frequency Control Systems with Time Delay in the Parameter Space of PID Controllers Using Boundary Locus Method”, International Journal of Control and Automation, Vol. 13, No. 4, May 2020, PP: 999 - 1009, Impact factor: 0.13, ISSN: 2005-4297(**Scopus Indexed**).

22. Mr. **KARUNAKAR PATCHALA**, “Meta Material based MIMO Antenna with Frequency Selective Surface for Gain Enhancement”, International Journal of Advanced Science and Technology, Vol. 29, No. 7, 2020, PP. 795-803, ISSN: 2005-4238. **(Scopus Indexed)**
23. Dr **K. LENIN** “Factual Power Loss Reduction by Augmented Monkey Optimization Algorithm”, Int. J. Res. Ind. Eng. Vol. 9, No. 1 (2020) 1–12 ,ISSN; 1925-7813
24. Dr **K. LENIN** “Factual Power Loss Diminution by Enriched Artificial Fish Swarm Algorithm”, Journal of Electrical Power & Energy Systems, 4(1), 1-10.2020, ISSN Online: 2576-053X
25. Dr **K. LENIN** “Real Power Loss Reduction by the Cultivation of Soil Optimization Algorithm”, Journal of Engineering Sciences, Vol. 7(1), pp. E1–E5, DOI: 10.21272/jes.2020.7(1).e1
26. **LENIN KANAGASABAI**, “Solving optimal reactive power problem by Alaskan Moose Hunting, Larus Livens and Green Lourie Swarm Optimization Algorithms”, Ain Shams Engineering Journal, <https://doi.org/10.1016/j.asej.2020.03.019>, ISSN: 2090-4479, May 2020, PP: 1-9, Impact Factor: 3.091. **(SCIE and Scopus In**
27. Dr **PADMANABHA RAJU CHINDA**, Mrs. **RAGALEELA DALAPATI RAO**, “Design and Development of Hand Gesture Controlled Robot”, International Journal of Control and Automation, Vol. 13, No. 4, 2020, PP:619 - 625, Impact factor: 0.13, ISSN: 2005-4297**(Scopus Indexed)**.
28. **V.HARIKA** and **G.MADHAVI** “Controlling of Traffic Using Movable Road Divider”, International Journal of Multidisciplinary Educational Research (IJMER), Volume: 9, Issue: 5 (4), May 2020, ISSN: 2277-7881, Impact factor: 6.514

29. K. LENIN, “ Passerine swarm optimization algorithm for solving optimal reactive power dispatch problem”, International Journal of Advances in Applied Sciences, Vol. 9, No. 2, June 2020, pp. 101~109 ISSN: 2252-8814
30. Dr P. MUTHUKUMAR, “Critical analysis of random frequency inverted sine carrier PWM fortification for half-controlled bipolar three-phase inverters”, Journal of Power Electronics, Volume 20, Number 2, PP: 479–491, ISSN: 1598-2092, 2020. DOI10.1007/s43236-020-00034-6 (SCI Indexed).
31. Mrs. M.DEVIKA RANI, Mrs. V.SAI GEETHA LAKSHMI, “A Review of Optimization Techniques for Power and Energy Supervision in Micro Grids”, International Journal of Test Engineering and Management, Volume 83, PP: 3961-3966, Issue:May – June 2020, ISSN: 0193-4120 (Scopus Indexed).
32. PADMANABHA RAJU CHINDA, RAGALEELA DALAPATI RAO, “ Architecture and Formation of Unmanned Ground Vehicle”, Journal of Critical Reviews, Vol 7, Issue 12, 2020, ISSN- 2394-5125, PP: 451-455, doi.org/10.31838/jcr.07.12.81 (Scopus Indexed)
33. PADMANABHA RAJU CHINDA, RAGALEELA DALAPATI RAO, “Architecture and Assembly of Farming Robot”, International Journal of Test Engineering and Management, Volume 83 PP: –22563, Issue: May-June 2020, ISSN: 0193-4120.
34. J HEMA LATHA, “Analysis of Multilevel Inverter With Reduced Number Of Switches Fed From Photovoltaic System Through Boost Converter”, Journal of Critical Reviews, Vol 7, Issue 14, June 2020, ISSN- 2394-5125, PP: 331-336, doi: 10.31838/jcr.07.14.60 (Scopus Indexed)
35. G.MADHAVI, V.HARIKA, “Optimal Hourly Scheduling Of Hydro Thermal Systems Integrating With Solar Power Systems Using Differential Evolution”, International Journal of Scientific & Technology Research Volume 9, Issue 06, June 2020, PP: 886-892, ISSN 2277-8616.

36. M. V. RAMESH, “Design And Fabrication of Automatic Seed Sowing Robotic Vehicle”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249–6890; ISSN (E): 2249–8001, Vol. 10, Issue 3, June 2020, 1741-1750.

International Conferences:

1. Mr. B.MOHAN, Dr.M.V.RAMESH, Mrs. T.SRINIVASARAO, presented a paper “Optimal DG Placement Under Standard Marketing Design Using PSO”, International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-202), held at VRSEC, Vijayawada during 8th to 10th January 2020.
2. Mrs.K.BHAVANA, Sk.Abdulkareem, P.Gunashekhar, K.Jyothi, “Speed control of Induction Motor using Cascaded H-Bridge Inverter”, International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-202), held at VRSEC, Vijayawada during 8th to 10th January 2020.
3. Mrs.K.BHAVANA, Sk.Abdulkareem, P.Gunashekhar, K.Jyothi, “ROBO the Commando”, International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-202), held at VRSEC, Vijayawada during 8th to 10th January 2020.

National Conferences:

1. Dr. N.VIJAYA ANAND attended National Conference on “Innovation Mechanisms and Standards for Assuring Quality in Higher Education Institution” on 6th and 7th March 2020 at KLU.

Books Published:

1. Dr.P.MUTHU KUMAR published a book “Digital System Design Using VHDL”, ESN Publications, Virudhunagar, Tamilnadu, 2020, ISBN: 978-81-945156-3-0.

PATENTS :

S.No	Title	Ref.No	I..P.R filed Date	Publishe d date	Name of the faculty	Status
1	Unified power converter	202041020980A	19.05.2020	05.06.20	Dr. P. Muthu Kumar	Published
2	Rescue Robot for parlous areas using IOT	202041010238A	10.03.2020	24.04.20	K. Bhavna	Published

PROGRAMMES ORGANIZED:

1. A guest lecture was arranged for II & III B.Tech students on “Exploring Emerging Technologies in Electrical Engineering for student projects and research” by Dr.V.Sandeep, HOD, NIT-AP on 15th Feb 2020.



2. A training program on “MATLAB” is organized on 13th & 14th February 2020 at Simulation Lab by Mr.J. prem Kumar, Sr. Application Engineer, Mathworks.

3. A guest lecture was arranged for II B.Tech students and Faculty on “**Generation and Transmission of Power**” by Sri M.Kiran,Dy.Executive Engineer,Vidyuth Soudha,APTRANSCO on 12th March 2020.



PROGRAMMES ATTENDED BY STAFF (SEMINARS / GUEST LECTURES / WORKSHOPS):

FDP's:

1. Dr.N.VIJAYA ANAND, Dr. P. MUTHU KUMAR, Dr.A.ANBARASAN & Mrs. J.HEMALATHA attended one day FDP on “**Pedagogy and Active Learning**” conducted by IT Dept., PVPSIT on 01-02-2020.
2. Mr. M. SESHU attended Five Day FDP on “**Technological Advancement in Power System Control ,PowerControllers, Drives & E-Vehicles TAPPAD 2020**” (webinar series) from 27th April to 1st May 2020
3. Dr. C. KUMAR, Mr. M. SESHU, Mrs.R. SWATHI participated in a five day faculty development programme on “**Arduino**” from 29th April to 3rd May 2020 organized by department of ECE, PSCMRCET, Vijayawada in association with spoken tutorial, IIT Bombay-PMNMNMTT.

4. Mrs. **J. HEMALATHA**, Mr. **B. MOHAN**, Mr. **M. SESHU**, Mrs. **R. SWATHI** - One week online FDP on “Research challenges and opportunities post covid-19”(RECOP 2020) organized by Research @ Development Cell and Institutions Innovation Council of Sri Vasavi Engineering college (autonomous) during 4th -9th May 2020.tadepally gudem, East Godavari, Andhra pradesh.
5. Mr. **P. KARUNAKAR** participated one week online FDP on “Recent trends in advanced communications” organized by ECE Dept., of LBRCE Mylavaram from 4th -9th May 2020.
6. Mrs **R. SWATHI** participated in a five day faculty development programme on “Moodle Learning Management System” 4th – 9th May 2020 training organized at Tagore Institute of Engineering and Technology in Vijayawada in association with spoken tutorial, IIT Bombay-PMMMNMTT.
7. Dr. **C. KUMAR**, Dr. **N. VIJAYA ANAND** , Mrs. **J. HEMALATHA**, Mr. **B. MOHAN**, **M. SESHU** & Smt. **V. HARIKA** participated a Six day FDP on “Research Challenges and Innovations in renewable energy systems” organized by EEE dept. in association with centre for renewable Energy Technology from 11th to 16th May 2020,AVIT college, Tamil Nadu.
8. Mr. **B. BALA SAI BABU** participated “One Week National Level Online Faculty Development on Innovation to Academicians” conducted by Ramachandra College of Engineering, Eluru from 11th to 16th May 2020.
9. Ms. B. **LALITHA** , Mrs. **K. BHAVANA**, Mr. B. **MOHAN** participated a five day online FDP on” Role of IoT,Embedded,EV& PE converters for smart world “ organized by St. Joseph’s college of engineering in association with IEEE student branch Chapter ,OMR ,Chennai, Tamil Nadu from 18th – 22nd May 2020.

10. Mr. **M. SESHU** attended One week FDP on “Research Opportunities in Electrical Engineering and its Applications” organized by Department of Electrical and Electronics Engineering of P.S.R.Engineering College Sivakasi from 18th – 23rd 2020.
11. Mr.**T. SRINIVASARAO** & Mr. **B. BALASAIBABU** participated in one week online Faculty Development Program on “Research Challenges in Electrical Engineering[RCEE]-2020” organized by department of Electrical & Electronics Engineering, Ramachandra College of Engineering from 18th to 23rd May 2020.
12. Dr. **C. KUMAR**, Mrs. **J. HEMALATHA** & Mr. **V. HARIKA** participated Five - Day Online FDP on “Integration of Renewable Energy Systems- Research Tools / Industrial Perspective” Organized by Department of Electrical and Electronics Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna(Dt), A.P. from 18th – 22nd May 2020
13. Dr. **C. KUMAR** & Mr. **B. BADDU NAIK** participated a Five day online FDP on “Cutting-Edge Technologies for Electrical Engineering” organized by Department of Electrical & Electronics Engineering, Andhra Loyola Institute of Engineering and Technology, Vijayawada, from 18th-22ndMay 2020.
14. Mr. **T. SRINIVASARAO** attended online Faculty Development Programme on “The Internet of Things (IoT)” organized by APSSDC - FIP Programme from 18th to 30th May 2020.
15. Ms. **B. LALITHA**, Mrs. **K. BHAVANA**, Mr. **B. Mohan** participated in a three day FDP on “FACTS and its Applications” organized by department of EEE, by Dr.K.Venkata Reddy,COE,JNTUK from 19th – 21st May 2020.East Godavari, Andra Pradesh.
16. Dr. **N. VIJAYA ANAND** participated in 4-Day Online FDP on “Data Science and Machine Learning using Python” organized by the Department of Electronics and Computer Engineering, K L University held on 20th-23th April 2020.

17. Mrs. B. LALITHA & Mr. T. SRINIVASARAO participated in two day faculty development programme on “Research Opportunities in Electrical Engineering” organized by department of Electrical & Electronics Engineering, Kallam Haranadha Reddy Institute of Technology, Guntur, Andhra Pradesh from 20th to 21st May 2020.
18. Dr. C. KUMAR, Dr. P. MUTHU KUMAR, Mrs. B. LALITHA, Mrs. K. BHAVANA , Mrs. M. Devika Rani, T. NARASIMHA PRASAD participated in five day Faculty Development Programme on “Recent Trends on Power Electronics and Control” conducted by department of Electrical and Electronics Engineering, Narsimha Reddy Engineering college, Maisammaguda, Hyderabad on 21st – 25th May 2020.
19. Mrs. B. LALITHA, Mrs. K. BHAVANA & Mr. B. MOHAN participated a five day online FDP on “ Artificial Intelligence” conducted by CSE & IT , BVRIT, Hyderabad, Telangana, on 22nd to 26th May 2020
20. Mrs. B. LALITHA & Mrs. K. BHAVANA participated in two day Faculty Development Programme on “Challenges and Opportunities in Higher Education in COVID 19 Scenario: The way Forward” organised by IQAC , St. Joseph’s College for Women from 27th & 28th May 2020.
21. Mrs. M. DEVIKA RANI participated in 5 days online FDP on “Renewable Energy technologies, integration to the power grid and E-vehicle” during 28th May to 1st June, organized by Department of Electrical & Electronics Engineering, Sri Sairam Institute of Technology, Chennai
22. Mrs. M. DEVIKA RANI participated in ISTE sponsored online FDP on “Micro grid, Electric vehicles Allied areas (MGEVAA-20)” during 1st – 5th June 2020 organized by Department of Electrical & Electronics Engineering, Kakatiya Institute of Technology & Science, Warangal.S

23. Dr. C. KUMAR & Mrs. M. DEVIKA RANI Mr. B. MOHAN & Mr. M. SESHU, Smt. V.SAI GEETHA LAKSHMI participated five day FDP on “Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technologies for E-vehicles” organized by Bapatla Engineering College during 1st – 5th June 2020
24. Mrs. V. SAI GEETHA LAKSHMI attended two day faculty development program on “Intelligent Controllers for Renewable Energy systems” organized by P.S.R Engg., college from 2nd June to 3rd June 2020.
25. Mrs. B. LALITHA attended One week online Faculty Development Programme “AI solutions to power system solutions” organized by Department of Electrical and Electronics Engineering, St.Peter’s Engineering College, Hyderabad from 2nd – 6th June 2020.
26. Dr. M.V. RAMESH, Mrs. K. BHAVANA, Mrs. B. LALITHA, Mr. T. SRINIVASA RAO participated five day FDP on “Recent Innovations and Technologies in Electrical Vehicles” organized by Gates Institute of Technology, Ananthapuram during 8th – 12th June 2020.
27. Mr. B. BADDU NAIK, Ms. B. LALITHA, Ms. K. BHAVANA, Mr. T. SRINIVASA RAO participated Five day FDP on “Recent Trends in Electrical Engineering” Organized by Department of Electrical & Electronics Engineering, Vishnu Institute of Technology, Bhimavaram, during 8th June 2020 to 12th June 2020
28. Dr. C. KUMAR & Mrs. J. HEMALATHA participated FDP on “Basic Induction Motor” organized by Andhra Pradesh Skill Development Corporation from 8th – 10th June 2020.
29. Mrs. B. LALITHA, Mrs. K. BHAVANA Mr. B. MOHAN participated FDP on :”Basics of PLC” organized by Andhra Pradesh Skill Development Corporation from 8th – 13th June 2020.

30. Mrs. **M. DEVIKA RANI** & Mrs. **V. SAI GEETHA LAKSHMI** participated in A National level Five day Online Faculty Development Programme on “**Electric Power Grid Modernization Trends, Challenges And Opportunities**” organized by Department of Electrical and Electronics Engineering, KKR & KSR Institute of Technology and Sciences from 9th – 13th June 2020.
31. Ms. **M. DEVIKA RANI** & Mrs. **V. SAI GEETHA LAKSHMI** participated online FDP on “**MATLAB and Simulink in engineering education**” organized by APSSDC from 10th & 11th June 2020.
32. Mrs. **B. LALITHA**, Mrs. **K. BHAVANA** attended Three day faculty development program on “**Emerging Research Opportunities in Electrical Engineering**” from 11th – 13th June 2020 organized by Department of Electrical and Electronics Engineering, JB Institute of Engineering and Technology.
33. Dr. **P. MUTHU KUMAR** participated in the National E-faculty development program on “**Road Map to get a quality patent**” organized by AMET Deemed University on 13th June 2020
34. Dr. **A. ANABARASAN** & Mr. **B. BADDU NAIK** participated one week International FDP on “**Recent Strategies on Micro and smart grid technologies**” organized by GMR Institute of Technology during 15th – 19th June 2020
35. Mrs. **M. DEVIKA RANI** & Mrs. **V. SAI GEETHA LAKSHMI** participated one week National level FDP “**Moodle – Learning Management System**” organized by Vaagdevi Engg., College, Warangal in association with Spoken Tutorial, IIT Bombay from 15th – 20th June 2020.
36. Smt. **R. SWATHI** participated five day faculty development programme “**Research Trends in Image Processing**” organized by Gates Institute of Technology during 15th – 19th June 2020.

37. Mrs. B. LALITHA, Mrs. K. BHAVANA , Mr. T. SRINIVASA RAO attended One week online Faculty Development Programme on “Role of Energy Management in Smart city” organized by Sharda University from 15th to 19th June 2020.
38. Mrs. B. LALITHA, Mrs. K. BHAVANA attended International online one week Faculty Development Programme on “Industrial Relevance of Electrical Engineering” organized by BVRIT Hyderabad college of Engineering for Women from 15th to 20th June 2020 .
39. Mr. B. BALASAIBABU participated one week FDP on “Challenges and opportunities in Electrical and Electronics Engg., “ organized by Bharat Institute of Engg., and Technology from 15th to 20th June 2020.
40. Mrs. B. LALITHA, Mrs. K. BHAVANA, Mr. T. SRINIVASA RAO attended Five day online Faculty Development Programme on “Recent Challenges and Emerging Techniques on Microgrid” organized by G.Narayanamma Institute of Technology and Science(for women) from 16th to 20th June 2020
41. Mrs. B. LALITHA, Mrs. K. BHAVANA & Mr. T. SRINIVASA RAO participated three day National level online FDP on “ Present Control Systems in Industry and Research Perspective” organized by Sri Venkateswara College of Engg., & Technology during 21st – 23rd June 2020
42. Mrs. M. DEVIKA RANI Participated in 3 day FDP on “Applications of Power Electronics for Renewable Energy and Power Systems” Organized by Department of Electrical and Electronics Engineering, Rajalakshmi Engineering College, Thandalam, Chennai on 23rd - 25th June, 2020.
43. Dr. A. ANBARASAN, Dr. C. KUMAR, Mr. Y. VISHNUMURTHULU, Mrs. B. LALITHA Mr. B. BADDU NAIK, Mrs. K. BHAVANA, Mr. M. HEMANTH SAI,

Mrs. **G. MADHAVI**, Mrs. **V. SAI GEETHA LAKSHMI**, Mrs. **M. DEVIKA RANI**, Mr. **T. SRINIVASA RAO**, Mrs. **V. HARIKA**, attended one week International online FDP on “Computational Intelligence and Modelling in Modern Power systems” organized by VRSEC from 22nd – 27th June 2020.

Training Program

1. Mr. **B. BADDU NAIK** Participated online program on “World Intellectual Property Day (26th April 2020)” organized by IPR Cell and Institution's Innovation Council of Noorul Islam Centre for Higher Education, Kumaracoil, Tamil Nadu, India.
2. Mr. **M. RAVI KUMAR** & Mr. **M. SESHU** (10th May 2020) Mr. **B. BADDU NAIK** (12th May 2020) participated online Faculty Program on “NBA” organized by Bharati Vidyapeeth College Of Eng, Mumbai.
3. Mr. **Y. VISHNUMURTHULU**, Mrs. **K. BHAVANA**, Mr. **M. RAVI KUMAR** Mr. **M. SESHU** participated “NAAC Awareness Programme for Faculty” organized by Marathwada Mitra Mandal’s Institute of Technology (MMIT), Lohgaon, Pune - 47 conducted online during the period 8th – 14th May 2020.

STC's

1. Dr. **M.V.RAMESH**, Mr. **T.SRINIVASA RAO** attended a short term Training Course on “Renewable Powered EV Charging Station –Challenge in Converter Design and Storage “- at NIT, Calicut during 10th -14th March 2020.
2. Dr. **A. ANABARASAN** & Mr. **B. BALASAI BABU**, Mrs. **M. DEVIKA RANI** participated in the STP on “Advanced Power system simulation softwares” organized by SSN college of Engineering during 25th -27th June 2020.

Seminars :

1. Dr. **P. MUTHU KUMAR** & Smt. **K. BHAVANA** attended one day seminar on “IPR and Product Innovation” conducted by IT Dept., PVPSIT on 3rd Feb. 2020.

2. Dr. CH.P.N.RAJU, Dr. C.KUMAR, Dr. P.MUTHUKUMAR, Mrs. J.HEMALATHA, Mrs. D.RAGALEELA & Mr.Y.VISHNUMURTHULA attended one day seminar on “Awareness Programme on OBE” Conducted by IT Dept., PVPSIT on 22nd Feb.2020.

Workshops:

1. Dr.P.MUTHUKUMAR , Mrs. K.BHAVANA attended Five day workshop on “ATAL Workshop on Artificial Intelligence in Electrical Engineering Applications” from 6th to 10th Jan. 2020 at NIT, Puducherry
2. Dr. C. KUMAR, Dr. N. VIJAYA ANANAD & Mrs.J. HEMALATHA participated in the one day online workshop on “Electromagnetic and Thermal Simulation of PMSM (IPM) motor” on 07th May 2020 organized by ALTAIR.
3. Dr. C. KUMAR, Dr. N. VIJAYA ANANAD, Mrs.J. HEMALATHA, Mrs.G. MADHAVI & Mrs. V. HARIKA participated in online workshop on “Distributed power generation-an overview” conducted by SRM TRP Engineering college, Trichy, on 09th May 2020.
4. Mr.M. SESHU attended National level workshop on “Modern Methods For Remote Teaching-Learning Practices” organized by Krishna University Machilipatnam in association with Andhra Pradesh state council of higher education, 11th -13th May 2020.
5. Dr. C. KUMAR, Mrs. J. HEMALATHA participated in “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop”on 23rd May 2020 The participation also involved 1 day equivalent work of pre-workshop online video lectures. This training was organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India
6. Mr. M. HEMANTH SAI , Mr. B. BALASAIBABAU participated a Five day Online Workshop on “IoT:Applications in Smart Energy Management (IoT-ASEM-2020)”from

25th -29th May 2020 conducted by Maulana Azad National Institute of Technology(MANIT), Bhopal, sponsored by AICTE Training And Learning (ATAL) Academy.

7. Mrs. **B. LALITHA** & Smt. **K. BHAVANA** participated in three day workshop on “NAAC Assessment and Accreditation: A Step by Step Process” organized by GATES Institute of Technology held during 28th – 30th May 2020.
8. Mr. **T. NARASIMHA PRASAD** participated in a one day web based workshop on “Role of Energy Storage & Plug-in Electric Vehicles in Smart Grid : Challenges & Opportunities” on 30th May, 2020 Organized by the Department of Electrical and Electronics Engineering, Audisankara Group of Institutions, Gudur.

SUPPORTING STAFF:

Training Programmes Attended:

1. Mrs. **D. VIJAYALAKSHMI**, Mr. **D. PITCHESWARA RAO** participated in a webinar on “ The 10 most common Mistakes made in Arc Flash studies” organized by Easy Power on 23rd June 2020
2. Mrs. **D. VIJAYA LAKSHMI**, Mr. **D. PITCHESWARA RAO**, Mr. **V. SIVA KIRAN KUMAR**, Mr. **D. Balaji**, Mr. **V. ARUN KUMAR**, Mr. **P. MOHANA RAO** participated in a webinar on “ Power System Earthing” by Dr.Loganthurai, KLN college of Engg, Madurai organized by St Mother Theresa Engg., College on 25th June 2020.
3. Mrs. **D. VIJAYA LAKSHMI**, Lab technician completed the online quiz “ C programming” organized by Poanimalar Polytechnic College on 30th June 2020.

FACULTY ACHIEVEMENTS

1. Dr. **C. KUMAR** awarded Ph.D degree from JNTUA, Ananthapuramu on 6th January 2020.

2. The following list of faculty enrolled and certified in Coursera / uLektz /NPTEL Online Course during January- June 20

Coursera Data

(Data of faculty from EEE department to be consolidated in this sheet)

<u>S.No</u>	Faculty Name	Course Name	Online Platform	No. of Completed
1	Dr.M.Venu Gopala Rao	Electrical Power systems	Coursera	1
2	Dr.Ch.Padmanabha Raju	AI for Everyone	Coursera	1
3	Dr.K.Lenin	The Science of Well-Being.	Coursera	1
4	Dr.M.V.Ramesh	Design of Electrical Machines	uLektz	1
5	Dr.A.Anbarasan	AI for Everyone	Coursera	1
6	Dr.P.Muthu Kumar	Introduction to Power Electronics	Coursera	1
7	Dr.C.Kumar	Electrical power system	Coursera	2
		AI for everyone	Coursera	
8	Dr.N.Vijaya Anand	AI For Every one	Coursera	4
		Design Thinking for the Greater Good: Innovation in the Social Sector	Coursera	
		Electric Vehicles and Mobility	Coursera	
		Electric Utilities Fundamentals and Future	Coursera	
9	J.Hemalatha	AI for Everyone	Coursera	2
		Linear Circuits 1: DC Analysis	Coursera	
10	D.Ragaleela	AI for Everyone	Coursera	1
11	Y.Vishnumurthulu	Electric Power Systems	Coursera	5
		Photovoltaic Solar Energy	Coursera	
		AI For Everyone	Coursera	
		Wind resources for renewable energies	Coursera	
		Wind Energy	Coursera	
12	B.Lalitha	Electric Power Systems	Coursera	3
		Solar Energy Basics	Coursera	
		Introduction to Power Electronics	Coursera	
13	B.Baddu Naik	Introduction to Programming with MATLAB	Coursera	2
		AI For Everyone	Coursera	
14	K.Bhavana	ELECTRIC POWER SYSTEMS	Coursera	5
		Programming for Everybody	Coursera	
		Solar Energy Basics	Coursera	

		Introduction to Power Electronics	Coursera	
		AI FOR EVERYONE	Coursera	
15	V.Sai Geetha Lakshmi	electrical power systems	Coursera	4
		Introduction to Programming with MATLAB	Coursera	
		AI For Everyone	Coursera	
		Wind Energy	Coursera	
16	M.Ravi kumar	Electric Power System	Coursera	4
		AI For Every One	Coursera	
		Solar Energy Basics	Coursera	
17	G.Madhavi	AI for every one	Coursera	4
		Linear Circuits 1: DC Analysis	Coursera	
		Wind Energy	Coursera	
		Electric Power Systems	Coursera	
18	M.Hemanth Sai	AI for every one	Coursera	3
		Exploratory Data Analysis with MATLAB	Coursera	
		Introduction to Programming with MATLAB	Coursera	
19	B.Mohan	Electric Power Systems	Coursera	7
		Natural Gas	Coursera	
		Solar Energy Basics	Coursera	
		Introduction to Solar Cells	Coursera	
		Introduction to Electronics	Coursera	
		Introduction to Power Electronics	Coursera	
		AI for Everyone	Coursera	
20	M.Seshu	AI for Everyone	Coursera	3
		Electrical Power Systems	Coursera	
		Introduction to Solar Cells	Coursera	
21	B.Bala Sai Babu	AI for Everyone	Coursera	3
		Crash Course on Python	Coursera	
		Introduction to Programming with MATLAB	Coursera	
22	M.Devika Rani	Introduction to solar cells	Coursera	8
		AI for Everyone	Coursera	
		Introduction to Power Electronics	Coursera	
		Safety in the Utility Industry	Coursera	
		Introduction to Programming with MATLAB	Coursera	
		Energy: The Enterprise	Coursera	
		The Science of Well-Being	Coursera	
		Electric Power Systems	Coursera	

23	T.Srinivasa Rao	Electrical Power Systems	Coursera	4
		Introduction to Power Electronics	Coursera	
		Solar Energy Basics	Coursera	
		Introduction to Programming with MATLAB	Coursera	
24	P.Karunakar	AI for Everyone	Coursera	1
25	R.Swathi	Introduction to Electronics	Coursera	2
		AI for Everyone	Coursera	
26	V.Harika	AI for Everyone	Coursera	4
		Linear Circuits 1: DC Analysis	Coursera	
		Wind Energy	Coursera	
		Electric Power Systems	Coursera	
27	T Narasimha Prasad	AI for Everyone	Coursera	1
28	Dr.M.V.Ramesh	Design of Electrical Machines	uLektz	uLektz
29	Dr.A.Anbarasan	AI for Everyone	4 Weeks	Coursera
30	Dr.P.Muthu Kumar	Introduction to Power Electronics	3 Weeks	Coursera
31	Dr.N.Vijaya Anand	Electric Vehicles and Mobility	6 Weeks	Coursera
32	J.Hemalatha	Linear Circuits 1: DC Analysis	4 Weeks	Coursera
33	B.Lalitha	Introduction to Power Electronics	3 Weeks	Coursera
34	B.Baddu Naik	AI For Everyone	4 Weeks	Coursera
35	K.Bhavana	ELECTRIC POWER SYSTEMS	4 Weeks	Coursera
		AI FOR EVERONE	4 Weeks	Coursera
36	V.Sai Geetha Lakshmi	Introduction to Programming with MATLAB	9 weeks	Coursera
		AI For Everyone	4 weeks	Coursera
		Wind Energy	5 weeks	Coursera
37	G.Madhavi	Wind Energy	4 Weeks	Coursera
		Linear Circuits 1: DC Analysis	4 Weeks	Coursera
38	M.Hemanth Sai	Exploratory Data Analysis with MATLAB	5 Weeks	Coursera
39	B.Mohan	Introduction to Power Electronics	3 Weeks	Coursera
40	B.Bala Sai Babu	Crash Course on Python	4 Weeks	Coursera
41	M.Devika Rani	Introduction to Programming with MATLAB	9 Weeks	Coursera
		Safety in the Utility Industry	4 Weeks	Coursera
42	T.Srinivasa Rao	Introduction to Power Electronics	3 Weeks	Coursera
		Solar Energy Basics	5 Weeks	Coursera
43	V.Harika	Linear Circuits 1: DC Analysis	4 Weeks	Coursera

PERFORMANCE IN NPTEL ONLINE COURSES JAN- APRIL, 2020

List of Staff Enrolled and Certified

S.No	Name	Course Name	Roll Number	Final Score
1	D RAGALEELA	Recent Advances In Transmission Insulator	NOC20EE43S1	91
2	B.LALITHA	Recent Advances In Transmission Insulator	NOC20EE43S1224074	88
3	B BADDU NAIK	Recent Advances In Transmission Insulator	NOC20EE43S1461043	91
4	Y VISHNUMURTHULU	High Power Multilevel Converters- Analysis design and operational issues	NOC20EE02S1835681	72

FACULTY INTERACTION WITH OUTSIDE WORLD:

1. Dr. **M. VENU GOPALA RAO** attended as a member of Doctoral Committee for Comprehensive Viva Voce at VIT University on 11th Jan 2020.
2. Dr. **P. MUTHU KUMAR** , Assoc. Prof. given a talk on “Introduction R Programming Language” for our faculty on 29th Jan 2020.
3. Dr. **M.VENUGOPALA RAO** acted as a judge for a National Level Electrical and Electronics Engineering Student Activity for “**VIDYUT TARANG-2020**” at RVRJC ,Guntur on 27th Feb 2020.
4. Dr. **M. VENU GOPALA RAO** attended as a member of Doctoral Committee at Vignan University on 28th Feb 2020.
5. Dr.**A.ANBARASAN** selected as a member in Advisory Committee for 5th National Conference on Recent Advancement in Electrical and Electronics Engineering on 27th March 2020 conducted by Sri Krishna College of Technology, Coimbatore.

6. Dr. P. MUTHU KUMAR acted as resource person for topic of “PWM implementation of P converters in MAT LAB / FPGA” at Faculty Development Programme on “Recent Trends on Power Electronics and Control” conducted by department of Electrical and Electronics Engineering, Narsimha Reddy Engineering ollege,Maisammaguda,Hyderabad on 21st - 25th May 2020.

STUDENT PARTICIPATION:

a) Curricular activities:

S. No	Student Name	Roll No.	Year	Event	Venue	Date(s)	Remarks
1	B. L. Sneha	16501A0212	IV	Internship/Student Engagement Program	National Instruments Bangalore	05.01.20 to 31.01.20	Participated
2	PNL Sindhu M. Ravi O. B. Narasimha P. G.C Mouli SK.Md. Yakob	18501A0260 19505A0219 19505A0225 19505A0229 19505A0233	II	one day national Level Awareness Program(NALP)-2020	PVPSIT	27.02.20	Participated
3	V. Giri Kumar P. G.C Mouli O. B. Narasimha N. Revanth Kumar SK.Md. Yakob	19505A0238 19505A0229 19505A0225 19505A0224 19505A0233	II	Entrepreneurship Awareness Camp	PVPSIT	12.02.20 to 13.02.20	Participated
4	J. SaiTeja B. Rupa Sri O. B. Narasimha B. Dhana Lakshmi A. M Krishna B.Lakshmi Charitha P.G.Chandramouli	18501A0233 18501A0214 18501A0225 18501A0207 18501A0203 18501A0208 19505A0229	II	6 week e-Yantra online crash course on “Embedded systems and Robotics”	MOOC-e-YRDC	---	Participated
5	G S S Sankara Rao	17501A033	IV	E-learning Program on PLCs	TATA STEEL	30/04/20	Successfully Completed
6	Ch. G. K. Sai Varma	17501A0222	IV	Online Course Career Edge-Knockdown the Lockdown	TCSiON	02/05/20	Successfully Completed
7	B. Durga Bhavani	18505A0217	IV	Online Quiz on General Mathematics	Seshasayee Institute of Technology, Trichy	08/05/20	Participated

8	Ramya Sri Lakshmi Aparna Poornima Meghana	17501A02A1 17501A0298 17501A02C0 17501A0267	IV IV IV IV	Webinar on The Power of You	ICT Academy	14/05/20	Participated
9	G S S Sankara Rao	17501A033	IV	Online Program on PLC Programing Language	Ulektz	14/05/20	Successfully Completed
10	G. Lalitha Praveen	17501A0238	IV	Webinar on Opportunities for Engineers and Expectations from Industry	IQAC of Baselios Mathews II College of Engineering	16/05/20	Participation
11	Meghana	17501A0267	IV	Webinar on The Envisioning the future	ICT Academy	23/05/20	Participated
12	R. Devi Sai Sree	18501A0268	III	Professional Development Hour on A Review of Advanced Power Module Packaging	IEEE	27/05/20	Completed
13	D. Nikhila	17501A0224	IV	National Level Management Aptitude E- Quiz	Vignana Bharathi Institute of Technology	28/05/20	Best Performance
14	Ramya Sri Poornima Meghana	17501A02A1 17501A02C0 17501A0267	IV IV IV	Webinar on Setting goals & Priorities	ICT Academy	30/05/20	Participated
15	K. Srikruthi	18501A0242	III	8-Weeks Online Training Program on Ethical Hacking	INTERNSHAL A TRAININGS	06/05/20 to 17/06/20	Successfully Completed
16	P. Lakshmi Sahitya	17501A0282	IV	8-Weeks Online Training on Machine Learning	INTERNSHAL A TRAININGS	06/05/20 to 17/06/20	Successfully Completed
17	M. Yamini Lakshmi	17501A0268	IV	National Level Technical Online Quiz	Lakki Reddy Bali Reddy College of Engg., Mylavaram	03/06.20	Participated
18	Ch. G. K Sai Varma	17501A0222 17501A0214	IV IV	Webinar on Home	Sir C R Reddy College of	05/06/20	Participated

	B. Pujitha Poornima Chowdary J. Nithya M. Y Lakshmi	17501A02C0 17501A0248 17501A0268	IV IV IV	Electrical Energy Management	Engg., Eluru		
19	M. Yamini Lakshmi	17501A0268	IV	National Level E-Quiz	P S C M College of Engg. & Tech., Vijayawada	05/06/20	Successfully completed
20	Ch. G. K Sai Varma	17501A0222	IV	Introduction to Packet Tracer (Certification Course)	CISCO Networking Academy	15/06/20	Certificate of course completed
21	A. Maanya Krishna K. Neeharika R. Devi Sai Sri	18501A0203 18501A0239 18501A0268	III III III	Online Training program on Basics of Induction	APSSDC	15/06/20 to 18/06/20	Participated
22	G. Lalitha Praveen	17501A0238	IV	National Level Online Quiz on Electric Vehicle Technology	Bapatla Engineering College, Bapatla	16/06/20 to 18/06/20	Participated
23	Ch. G. K Sai Varma	17501A0222	IV	Nonprofit Ready Nonprofit Essentials Certificate Program	Nonprofit Essentials	17/06/20	Successfully Completed
24	Ch. G. K Sai Varma	17501A0222	IV	Introduction to IoT (Certification Course)	CISCO Networking Academy	18/06/20	Certificate of course completed
25	K. Srija Lalitha	19501A0253	II	Online Quiz on Basics of C- Programming	PVP Siddhartha Institute of Technology, Vijayawada	19/06/20	Successfully Completed
26	M. Keerthana	19505A0222	III	Quiz on Electrical Engineering	Vikas Group on Institutions, Nunna, vijayawada	19/06/20	Participated
27	K. Phani Sundar	19501A0246	II	Online Quiz on Basics of C- Programming	PVP Siddhartha Institute of Technology, Vijayawada	20/06/20	Successfully Completed
28	K. Rama Krishna	18501A0265	III	Online Quiz on Basics of C- Programming	PVP Siddhartha Institute of Technology,	20/06/20	Successfully Completed

					Vijayawada		
29	K. Krishna Kumari	19501A0245	II	Online Quiz	P B Siddhartha College of Arts & Science, Vijayawada	20/06/20	Participated
30	B. Hema Manikanta	17501A0245	IV	1 Professional Development Hour on Physical Modeling of super capacitors & Li-Ion Capacitors	IEEE	20/06/20	Certificate of completion
31	B. Hema Manikanta	17501A0245	IV	Online Quiz	P B Siddhartha college of Arts & Science, Vijayawada	20/06/20	Participated
32	Syed. Vahiddin	19501A0294	II	Online Quiz	P B Siddhartha college of Arts & Science, Vijayawada	20/06/20	Participated
33	B. Hema Manikanta	17501A0245	IV	Online Quiz	Noorul Islam Centre for Higher Education, Kumaracoil, Kanyakumari (Dt), Tamilnadu	21/06/20	Participated
34	M. Keerthana	19505A0222	III	Online Quiz in Emerging Trends in Electrical Engineering	Sree Kavitha Engineering College	21/06/20	Successfully Completed
35	B. Praneetha	18501A0210	III	National Level Online Quiz on Satellite Communications	NRI Institute of Tech., Agiripalli	22/06/20	Successfully completed
36	V. Daniel	18501A0286	III	National Level Online Quiz on Satellite Communications	NRI Institute of Tech., Agiripalli	22/06/20	Successfully completed
37	Poornima Chowdary	17501A02C0	IV	National Level Online Quiz on Digital Image Processing	NRI Institute of Tech., Agiripalli	24/06/20	Successfully completed
38	S. Ramya Sri	17501A02A1	IV	National Level	NRI Institute of	24/06/20	Successfully

				Online Quiz on Digital Image Processing	Tech., Agiripalli		completed
39	A.Hema Manikanta	17501A0245	IV	Online Course on Python 101 for Data Science	Cognitive Class	25/06/20	Successfully Completed
40	Ch. G. K Sai Varma	17501A0222	IV	Seminar/ Webinar on Industrial Electrical Systems	Sir C R Reddy College of Engg., Eluru	27/06/20	Participated
41	K. Rama Krishna	18501A0265	III	Online Quiz on Computer Science	Telangana Social Welfare Residential Degree College, L.B Nagar, Telangana	28/06/20	Successfully Completed
42	G. Lalitha Praveen	17501A0238	IV	Aptitude Test	N.N.S. Vidhya Degree College, Chirala	29/06/20	Participated

STUDENT PUBLICATION:

1. Ms. **M. AKANKSHA** (16501A0253) and Mr. **SHAIK SHAHID**(17505A0242) presented a paper on “Analysis and performance evaluation of Radidom pulse width modulation to spread harmonics for phase voltage source inverter” at international conference on Smart Energy Systems and Electrical Vehicles (ICSESEV-2020) at VR Siddhartha Engineering College during 8th to 10th Jan 2020.
2. Ms. **K. JYOTHI** (17505A0219) and Ms. **T.H.S.V. HEMALATHA** (16501A0285) presented a paper on “Robo The Commando” at international conference on Smart Energy Systems and Electrical Vehicles (ICSESEV-2020) at VR Siddhartha Engineering College during 8th to 10th Jan 2020.
3. Mr.**SK.ABDULKAREEM**(17505A0239), Mr. **P.GUNASHEKHAR**(17505A0233), Mr. **K.JYOTHI**(17505A0219), “Speed control of Induction Motor using Cascaded H-Bridge

Inverter”, International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-202), held at VRSEC, Vijayawada during 8th to 10th January 2020.

4. **B. KAVYA NAGA SRI , B. TEJASWI , G.GOKULNADHI , A.SADHIK** “Smart Control Of Dc Motor By Voice Recognition Using Iot”, International Journal of Scientific Research and Engineering Development— Volume3 Issue 1, Jan-Feb 2020
5. **M. DIVYA , N. SUBHASH , P. VISHNU , P.TEJESH,** "Smart Health Care Monitoring Based On Internet Of Things” International Journal of Scientific Research and Engineering Development— Volume3 Issue 1, Jan-Feb 2020
6. The following list of students enrolled and certified in Coursera / uLektz /NPTEL Online Course during January- June 20

S.No	Student Name	Roll No	Year	Course Name	Duration
1	Akula Sai Varshith(Udemy)	17501A0204	III	HTML, CSS & JavaScript Practical Web Development	-
2	Appikatla Sindhura	17501A0211	III	AI For Everyone	4 Weeks
3	Chinda Alekhya	17501A0221	III	python for everyone	7 Weeks
4	Chinda Gnana Karthik Sai Varma	17501A0222	III	Introduction to Google docs	4 Weeks
				AI for everyone	4 Weeks
5	Chodavarapu Adi Narayana	17501A0223	III	AI for everyone	4 Weeks
6	Dalapathirao Nikhila	17501A0224	III	wind energy	5 weeks
7	Devarapalli Kavya	17501A0227	III	Wind Energy	5 Weeks
8	Dimple Muttukoyya	17501A0228	III	AI for everyone	4 Weeks
9	Divya Yadav	17501A0230	III	AI for everyone	4 Weeks
10	G S S Sankara Rao	17501A0233	III	AI for everyone	4 Weeks
11	G.Lalitha Praveen	17501A0238	III	Python Data Structures	4 Weeks
				Python for Everybody	4 Weeks
12	G.Sasi Kumar	17501A0240	III	AI for everyone	4 Weeks
13	Gunturi Naga Venkata Sai Chandra Mouli	17501A0242	III	Technical Support Fundamentals	6 Weeks
				Python 3 Programming:python basics	4 Weeks

				TensorFlow in Practice:(Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning)	4 Weeks
				Deep Learning:Neural Networks and Deep learning	4 weeks
				AI For Everyone	4 Weeks
14	G. Sai Krishna	17501A0243	III	AI For Everyone	4 Weeks
15	Hari Preethi Gangireddla	17501A0244	III	AI For Everyone	4 Weeks
15	Hema Manikanta Betha	17501A0245	III	Electrical Power systems	4 Weeks
17	Jalasutram Hanook	17501A0246	III	AI For Everyone	4 Weeks
18	Jasti Nitya	17501A0248	III	AI For Everyone	4 Weeks
19	Jetty Swetha	17501A0249	III	AI For Everyone	4 Weeks
20	Karlapalepu Lakshmi Saisri	17501A0252	III	AI For Everyone	4 Weeks
21	Karnati Manoj Kumar	17501A0253	III	python for every body	4 Weeks
22	Kondamudi Srilekha	17501A0256	III	AI For Everyone	4 Weeks
23	Kastala Prudhviraaj	18505A0209	III	AI For Everyone	4 Weeks
24	Kavati Naveen	18505A0210	III	AI For Everyone	4 Weeks
25	M. Indra Sai Sreepravallika	17501A0264	III	Electric Power Systems	4 Weeks
				AI for Everyone	4 Weeks
26	Marriboyina Yamini Lakshmi	17501A0268	III	Matrix Algebra for Engineers	4 Weeks
27	Meda Sai Revathi	17501A0270	III	AI for Everyone	4 Weeks
28	Murugudu Hemasree	17501A0273	III	Electric Power Systems	4 Weeks
				AI for Everyone	4 Weeks
29	Naidu Dharani	17501A0274	III	AI for everyone	4 Weeks
				Programming for Everybody (Getting Started with Python)	4 Weeks
30	Pachipala Lakshmi Sahitya	17501A0282	III	AI for everyone	4 Weeks
31	Panuganti Sravani	17501A0288	III	Electrical Power Systems	4 Weeks
				AI for everyone	4 Weeks
32	Pilla Bhanu Sri	17501A0291	III	Analysis for Business Systems	5 Weeks
				Big Data Emerging Technologies	6 Weeks
				Enterprise Systems	5 Weeks
				Continuous Delivery & DevOps	4 Weeks
				Cybersecurity and the Internet of Things	4 Weeks
				Communication Strategies for a Virtual Age	4 Weeks

				IT Project Management	4 Weeks
				Introduction to International Criminal Law	8 Weeks
				IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies	4 Weeks
				Natural Gas	4 Weeks
				Electric Power Systems	4 Weeks
				AI For Everyone	4 Weeks
				Fundamentals of Management, with Goldman Sachs 10,000 Women	1 Week
33	P. Jagan Mohan	17501A0293	III	Electrical power systems	4 Weeks
34	Lakshmi Aparna Revada	17501A0294	III	Grammar and Punctuation	5 Weeks
35	Rohit Mulagala	17501A0299	III	Electric Power Systems	4 Weeks
				Python	7 Weeks
				AI for Everyone	4 Weeks
36	Sai Teja Jalsutram	17501A02A0	III	AI for Everyone	4 Weeks
				Electric Power Systems	4 Weeks
37	Shaik. Abdulla	17501A02A3	III	Electric Power Systems	4 Weeks
				AI for every one	4 Weeks
38	Shaik Zahid	17501A02A4	III	Python	7 weeks
39	Tanguturi Venkata Jeswanth	17501A02A7	III	Electric power systems	4 Weeks
				Natural Gas	4 weeks
				AI for every one	4 Weeks
40	Tummu Soujanya	17501A02A8	III	AI for every one	4 Weeks
41	T. Yashwanth Chowdary	17501A02B0	III	AI for every one	4 weeks
42	V.Manaswi	17501A02B1	III	AI for every one	4 weeks
43	Vallabhaneni Sai Surendranath	17501A02B4	III	AWS Fundamentals: Going Cloud-Native	4 Weeks
44	Vemulapalli Pujitha	17501A02B7	III	AI FOR EVERYONE.	4 Weeks
				ELECTRIC POWER SYSTEMS	4 Weeks
45	Machagiri Manoj	18505A0214	III	AI for Everyone	4 Weeks
46	Angadala Maanya Krishnaa	18501A0203	II	Design thinking for the greater good: Innovation in the social sector	4 Weeks
47	Bheemavarapu Rishita	18501A0209	II	Safety in the utility industry	4 Weeks
				Natural gas	4 Weeks
				Electrical power system	4 Weeks

				Programming for everybody (Getting started with Python)	7 Weeks
				Energy: The Enterprise	4 Weeks
48	Divya Pathak	18501A0223	II	AI For Every One	4 Weeks
				Python Basics	4 Weeks
49	G.Kumidini Laya	18501A0227	II	Python Basics	4 Weeks
50	G. Keerthana	18501A0231	II	AI For Every One	4 Weeks
51	J Sai Teja	18501A0233	II	Clustering Geolocation Data Intelligently in Python	1 Week
				Retrieve Data using Single- Table SQL Queries	1 Week
				Build a Data Science Web App with Streamlit and Python	1 Week
				Create Your First Python Program	1 Week
52	K.Geya Harika	18501A0234	II	Programming for everybody (getting started with Python)	7 weeks
				Python data structures	7 weeks
				Electric Power Systems	4 Weeks
				Natural gas	4 Weeks
				Safety in the utility Industry	4 Weeks
				Energy: The Enterprise	4 Weeks
53	Kolavennu Neeharika	18501A0239	II	Design thinking for the greater good: Innovation in the social sector	4Weeks
54	Kolli Naga Vedika	18501A0240	II	Design thinking for the greater good: Innovation in the social sector	4Weeks
55	Maddipatla Divya	18501A0246	II	Electric power systems	4 Weeks
56	B.Anil	19505A0203	II	AI For Every One	4 Weeks
57	A.Saipriya	19505A0201	II	Electric Power System	4 weeks
58	C.Suneela	19505A0206	II	Electric Power System	4 weeks
				AI For Every One	4 weeks
59	D.Deepak	19505A0208	II	AI For Every One	4 Weeks
60	G.Bhanu Praseedha	19505A0211	II	Electric Power System	4 weeks
61	G.Sumanth Reddy	19505A0212	II	AI For Every One	4 Weeks
				Electric Power System	4 Weeks
				Natural Gas	4 Weeks
				Safety in the Utility Industry	4 Weeks
				Electric Utilities Fundamentals	4 Weeks

				and Future	
				Solar Energy Basics	5 Weeks
				Energy: The Enterprise	5 Weeks
62	K. Vaishnavi	19505A0213	II	AI For Every One	4 weeks
				Safety in the Utility Industry	4 weeks
				Chinese for Beginners	7 Weeks
				Natural Gas	4 weeks
				Electric Power System	4 weeks
63	K.Devi Vara Prasad	19505A0214	II	Electric Power System	4 Weeks
				Solar Energy Basics	5 Weeks
				Energy: The Enterprise	5 Weeks
				Natural Gas	4 Weeks
64	K.Sai Aravind	19505A0216	II	AI For Every One	4 Weeks
65	K.Siva Teja	19505A0217	II	AI For Every One	4 Weeks
				Electric Power System	4 Weeks
66	M.Charan	19505A0218	II	AI For Every One	4 weeks
				Electric Power System	4 weeks
67	M. Venkata Satya Suraj	18501A0252	II	Electric Power Systems	4 Weeks
68	Paruchuri. Naga Lakshmi Sindhu	18501A0260	II	python basics	4 Weeks
69	P. Jeevan	18501A0261	II	Introduction to psychology	6 Weeks
70	P. Jashuva	18501A0262	II	Electric Power Systems	4 weeks
				COVID-19 Contact Tracing	4 weeks
71	Ponugumaati Prathima	18501A0264	II	AI for Everyone	4 Weeks
72	Ramakrishna Kanneganti	18501A0265	II	AI for Everyone	4 Weeks
				Financial markets	7 Weeks
				Introduction to solar cells	5 Weeks
73	Ranga Chandrika Vijaya Lakshmi Swetha	18501A0267	II	Fundamentals of graphic design	4Weeks
74	Sangavarapu Bhavana	18501A0272	II	Introduction to solar cells	5 Weeks
75	Siddela Ravi Teja	18501A0276	II	AI for Everyone	4 Weeks
76	Surepalli Chandra Kiriti	18501A0279	II	ELECTRIC POWER SYSTEMS	4 Weeks
77	Udayagiri Pavan Karthik	18501A0285	II	ELECTRIC POWER SYSTEMS	4 Weeks
				Introduction to MATLAB programming	9 weeks

			Introduction to Self Driving Cars	4 Weeks
			Building Arduino robots and devices	4 Weeks
			Control of Mobile Robots	4 Weeks
			Python Data Structures	4 Weeks
			Introduction to Virtual Reality	4 Weeks
			Introduction to Game Development	4 Weeks
			Introduction to Data science with Python	4 Weeks

b) Extra-Curricular Activities:

1. Mr.J SAITEJA(18501A0233) ,II B.Tech attended Leadership Talk With Dr. Nilesh N Oak, Expert (Indian Civilization & History)held on 30th May 2020 conducted by MHRD's Innovation Cell.
2. Mr.J SAITEJA(18501A0233) ,II B.Tech participated "National Quiz on COVID - 19"conducted by Rotary Club of Karunay University,thondamuthur on 29-05-20.
3. Mr.J SAITEJA , (18501A0233)II B.Tech attended "COVID-19 Awareness Quiz" conducted through online conducted By Lakireddy Bali Reddy College Of Engineering,Mylavaram as a part of NSS unit.
4. Mr.J SAITEJA(18501A0233) ,II B.Tech attended Leadership Talk With Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer MHRD Innovation Cell, Saturday, 16th May 2020 at 01.00 PM by MHRD's Innovation Cell.
5. Mr.V.DANUSH(18501A0291) Participated in "WORLD CANCER DAY Awareness Rally "Conducted by 17(A) Battalion NCC ,Vijayawada at K.B.N Degree college on 04-02-20.
6. Ms.M.PRAVALLIKA (175001A0264), Ms.P.SANKEERTHANA (17501A0290), K.VINNETHA (17501A0261), Ms.D.VIASHNAVI (18501A220), Ms.G.KUSUMA

(18501A0228) of II and III B.Tech Students participated in group dance on Annual Day Celebration .

7. Ms.**K.VINNETHA** (17501A20161), **T.SOUJANYA** (17501A2A8), **P.BHANU SRI** (17501A0291) attended the “Combined Annual Training Camp-XIV” held at Samalkot ,Kakinada from 27-01-20 to 06-02-20.
8. 29 Students of II and III B.Tech students participated in 1National Seminar on “Drug De-Addiction” at LBRCE on 29-01-20.
9. 29 Students of II and III B.Tech students participated in “SWACCHTA PAKHWADA “on 30-01-2020.
10. 29 Students of II and III B.Tech students participated in “Awareness Programme on Polycystic Ovary Syndrome(PCOD) “on 31-01-2020.
11. 29 Students of II and III B.Tech students participated in “3K walkathon on world cancer Day “ on 04-02-20.
12. 29 Students of II and III B.Tech students participated in”Medical Camp” at Akkunuru Village on 04-02-20
13. 29 Students of II and III B.Tech students participated in “Medical Camp “ at Prodduturu Village on 07-02-20.
14. 29 Students of II and III B.Tech students participated in “Medical Camp” at Royyuru Village on 11-02-20.
15. 29 Students of II and III B.Tech students participated in “Medical Camp “at vanukuru Village on 12-02-20.
16. 29 Students of II and III B.Tech students participated in “Medical Camp” at Gosala Village on 13-02-20.

17. 29 Students of II and III B.Tech students participated in an attempt for Guinness world Record for “MOST PEOPLE TO SIGN UP TO DONATE BLOOD IN 8 HOURS” at Andhra Loyola College ,Vijayawada on 15-02-20.
18. 29 Students of II and III B.Tech students participated in “Blood Donation Camp” at PVPSIT,Kanuru on 18-02-20.
19. Mr.D.N.V.MAHESH (17505A0209) IV B.Tech participated in JNTUKIC –C-Zone tournaments in Cricket at LBRCE,Myalavaram on 06-02-20.
20. Mr.SK.ABDUL KAREEM (17505A0239) IV B.Tech participated in JNTUKIC –C-Zone tournaments in Table Tennis at LBRCE,Myalavaram during 06-02-20 to 07-02-20.
21. Mr. D.PRAVEEN SUNDARA RAO(16501A0222) IV B.Tech participated in JNTUKIC –C-Zone tournaments in Volley ball at LBRCE,Myalavaram during 06-02-20 to 07-02-20.
22. Mr.K.ANIL KUMAR(17501A0208) III B.Tech participated in JNTUKIC –C-Zone tournaments in Volley ball at LBRCE,Myalavaram during 06-02-20 to 07-02-20.
23. Mr. N.SASI KUMAR(18501A0257) participated in JNTUKIC –C-Zone tournaments in Kabaddi at LBRCE,Myalavaram during 06-02-20 to 07-02-20.
24. Ms.A.SINDHURA(17501A0211),Ms.V.PUJITHA(17501A02B7) III B.Tech participated in Table Tennis on the eve of “Sports Fest -2020 “ in Table Tennis organized by S.R.M University ,Amaravathi ,Guntur Dt. during 15-02-20 to 16-02-20.
25. Mr. D.PRAVEEN SUNDARA RAO(16501A0222) IV B.Tech participated in Volley Ball on the eve of “Sports Fest -2020 “ organized by S.R.M University ,Amaravathi ,Guntur Dt. during 15-02-20 to 16-02-20.
26. Mr.K.ANIL KUAMR(17501A0208) III B.Tech participated in Volley Ball on the eve of “Sports Fest -2020 “ ,Amaravathi ,Guntur Dt. during 15-02-20 to 16-02-20.
27. Mr.D.N.V.MAHESH (17505A0209) IV B.Tech participated in Cricket on the eve of “Sports Fest -2020 “ ,Amaravathi ,Guntur Dt. during 15-02-20 to 16-02-20.

28. Mr. **V. MOHAN SUBRAMANYAM** (18501A0292), Ms. **G. KUSUMA** (18501A0228), Mr. **E NARENDRA VARMA**(18501A0225) of II EEE and Mr. **P.BHANU SRI** (17501A0291), Ms. **K. VINEETHA** (17501A0261), Ms. **T. SOUJANYA** (17501A02A8) of III EEE participated in Republic Day Parade Preparation at our college on 20th Jan 2020 to 24th Jan 2020.

29. 46 students of II EEE attended a Guest Lecturer on "**CITIZENSHIP AMENDMENT ACT & NATIONAL SECURITY**" by Lt Gen V K Chaturvedi ,Indian Army on 27th Jan 2020.

STUDENT ACHIEVEMENTS:

1. Varshini Badugu scored GATE rank 28752,Score:230

2. Out Side the College:

S. No	Student Name	Roll No.	Year	Event	Venue	Date(s)	Prizes own
1	P.Bhanusri	17501A0291	III	Universal Escape	Nalanda Degree College	04-01-20	FIRST
2	P.Bhanusri	17501A0291	III	JAM	Nalanda Degree College	04-01-20	SECOND
3	P.Bhanusri	17501A0291	III	Battle Field	Nalanda Degree College	04-01-20	THIRD

Prizes won by the Students

S. No	Student Name	Roll No.	Year	Event	Venue	Date(s)	Prizes Own
1	P.Bhanusri	17501A0291	III	Poster Presentation	PVPSIT	25-01-20	FIRST
2	P.Bhanusri	17501A0291	III	Universal Escape	Nalanda Degree College	04-01-20	FIRST
3	P.Bhanusri	17501A0291	III	JAM	Nalanda Degree College	04-01-20	SECOND
4	P.Bhanusri	17501A0291	III	Battle Field	Nalanda Degree College	04-01-20	THIRD
5	K. Rama Krishna	18501A0265	II	Technical quiz	PVPSIT	25-01-20	FIRST
6	S. AkashSai	18501A0275	II	Technical quiz	PVPSIT	25-01-20	FIRST
7	B.	17501A0245	III	Technical	PVPSIT	25-01-20	SECOND

	HemaManikanta			quiz			
8	A. Khushuhas	17501A0201	III	Technical quiz	PVPSIT	25-01-20	SECOND
9	B. H Manikanta	17501A0245	III	Technical paper presentation	PVPSIT	25-01-20	SECOND
10	G Lalith Praveen	17501A0238	III	Technical paper presentation	PVPSIT	25-01-20	SECOND
11	N SaiChandu	17501A0278	III	Technical paper presentation	PVPSIT	25-01-20	THIRD
12	P. Bhanu Sri	17501A0291	III	Poster Presentation	PVPSIT	25-01-20	FIRST

3. The following list of students got scholarships from various organizations.

S. No	Roll Number	Name of Student	Year	Sanctioned Organization	Amount (Rs)
1	17505A0212	G.SURESH	IV	NSF Renewal Scholarship	20000
2	17505A0202	A.SUBBA REDDY	IV	NSF Renewal Scholarship	20000
3	17505A0240	SK.SH.BASHA	IV	NSF Renewal Scholarship	20000
4	17505A0245	T.PAVAN KALYAN	IV	NSF Renewal Scholarship	20000
5	18505A0214	M.MANOJ	III	NSF Renewal Scholarship	20000

PLACEMENTS:

S.NO .	ROLL.NO.	STUDENT NAME	COMPANY
1	16501A0206	AMULOJU VYAS	Ceasefire Industries Pvt. Ltd.
2	16501A0293	YADLAPALLI SIVA GOPIKRISHNA	
3	16501A0263	PALADUGU VISHNUVARDHAN	
4	16501A0205	AMBATI MOUNIKA NAGA LAKSHMI	Dhanush Engineering Services
5	16501A0213	BITRAGUNTA SREELAKSHMI VINEETHA	
6	16501A0226	GADDE GOKULNADH	
7	17505A0202	ANUBOLU SUBBA REDDY	
8	17505A0205	BUDATI SHYAM GANEH	
9	17505A0217	KANCHARLAPALLI DEEPIKA	
10	17505A0223	KRISHNA SADHANA	
11	17505A0229	NALLAJERU NEELIMA	
12	16501A0208	AVALA KRISHNA	Surya Tech Solutions

13	16501A0226	GADDE GOKULNADH			
14	16501A0239	KALAVAPUDI VAMSI KRISHNA			
15	16501A0273	SHAIK PREM NAZEER			
16	16501A0276	SOPPARAPU VENKATA NAGA SAI KUMAR			
17	16501A0284	TERLI SAIKUMAR			
18	16501A0288	VANGAPATI MADHAV			
19	16501A0296	YERRAPOTHU TEJA NAGA SAI KIRAN			
20	17505A0216	KAGGA PREM KUMAR			
21	17505A0241	SHAIK SHAMSHUDDIN			
22	17505A0244	TADIKONDA VENKATRAMAIAH			
23	16501A0240	KANCHINADHAM SRINIJA		Wipro	
24	16501A0220	CHINTALA KAVYA SREE			
25	16501A0223	DEVARAKONDA BANDHAVI			
26	16501A0237	JAGUPILLA VYSHNAVI			
27	16501A0258	NALAMOTHU NAVYA			
28	17505A0201	AKUMARTHI KOWSALYA			
29	17505A0204	BOMMALI POOJA			
30	17505A0206	CHENNA JAYARAM			SL LUMAX
31	17505A0218	KANTE LAKSHMI HANUJA			
32	17505A0219	KARNATI JYOTHI			
33	17505A0226	MARAGANI POORNA CHAND			
34	17505A0230	NANDAM AMAR			
35	17505A0238	SEELAM SATISH REDDY			
36	17505A0243	SORNALA VENKATESH			
37	17505A0247	VALLAMKONDA SAI PUSHPA			
38	16501A0205	AMBATI MOUNIKA NAGA LAKSHMI			
39	16501A0206	AMULOJU VYAS			
40	16501A0221	CHITTARU VENKATA RAJESH KUMAR			
41	16501A0286	TUMAPUDI JAGADEESH		Aliens	
42	16501A0290	VUDUMULA LAVANYA			
43	16501A0291	VUYYURU TEJASRI			
44	17505A0246	TIRUMALASETTY PAVAN NAGA SIVA			

		SAI GANESH	
45	16501A0216	BUNGA TARUN	Allsec Technologies
46	16501A0217	CHELLUBOYINA TEJASWI	
47	16501A0222	DASARA PRAVEEN SUNDARA RAO	
48	16501A0234	GUNDE KOTESWARA RAO	
49	16501A0247	KURRA JWALITH MALYADHEESH	
50	17505A0209	DESU NAGA VENKATA MAHESH	
51	16501A0206	AMULOJU VYAS	CTS (Cognizent)
52	16501A0220	CHINTALA KAVYA SREE	
53	17505A0218	KANTE LAKSHMI HANUJA	
54	17505A0239	SHAIK ABDUL KAREEM	
55	17505A0233	PESA GUNA SHEKHAR	

INDUSTRIAL VISITS:

S.NO	Name of the visited industry	Date of visit	Year	Accompanied Faculty
1	Dr. NTPS ,Kondapalli	29.01.2020	II year (S1)- 53 Students	Smt. G. Madhavi
				Sri.M.Hemanthsai
		30.01.2020	II year (S2)- 55 Students	Sri. T. Srinivasa Rao
				Smt. V. Harika

INDUSTRIAL TOUR

S.NO	Name of the visited industry	Date of visit	Year	Accompanied Faculty
1	Anna Aluminium Factory ,Cochin ,Kerala	29-01-2020	III Year (S1&S2) 88 students	Sri. P.Karunakar Sri.T.Narasimha Prasad Smt.R.Swathi Smt.K.Lalitha
	Kanam Latex Industries ,Nagercoil, Tamilnadu	30-01-2020		
	ISRO,Mahendragiri, Tamilnadu	31-01-2020		

