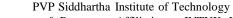
NELENA





Department of Electrical and Electronics Engineering



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: 14 January-June-2019

Faculty Incharge:

DHARTHA INS TO

Mrs. D.Ragaleela Mr. P.Karunakar Inside:

- 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 with outside World
- 7. Student Participation
- 8. Student Achievements
 - (i) Placements
- 9. Industrial visit

Quotation

"You have to grow from the inside out. None can teach you, none can make you spiritual. There is no other teacher but your own soul."

Swami Vivekananda

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. NTTPS, Ibrahimpatnam
- Power Lab Instruments ,Chennai

FACULTY PUBLICATIONS:

International Journals:

1. Dr. K.LENIN, "Brachytrupes Algorithm for Solving Optimal Reactive Power Problem", Ingenierie des Systemesd'Information, Vol.24, No.1, February 2019, PP:43-46

http://www.iieta.org/journals/isi/paper/10.18280/isi.240105

- Dr. K.LENIN, "Shrinkage of real power loss by enriched brain storm optimization algorithm", IAES International Journal of Artificial Intelligence (IJ-AI), Vol.8, No. 1, March 2019, PP: 1-6, ISSN: 2252-8938.
 - http://www.journaltocs.ac.uk/index.php?action=tocs&journa
 IID=27616
- Mr. B.BALAJI, "Lithium-Ion battery energy storage based STATCOM for grid interconnected wind power system", Journal of Emerging Technologies and Innovative Research

(JETIR), ISSN: 2349-5162, PP: 778-790, Volume 6, Issue 3, March 2019, Impact factor 5.87 (**UGC**)

- Mrs. SWATHI.R, "Automatic Image Registration by Using Optimization Algorithm"
 Journal of Applied Science and Computations, PP: 123-128, ISSN NO: 1076-5131,
 Volume 6, Issue 3, March 2019, Impact Factor 5.8(UGC)
 https://app.box.com/s/8r4x0d9tla5wkz6xyp5j2pu3zkdtyslp
- 5. Mrs. D. RAGALEELA, "Fuel Cost Minimization and Line Loadability Enhancement Using PMBCA Evolutionary Technique", International Journal of Ambient Energy, ISSN: 0143-0750, DOI: 10.1080/01430750.2019.1608857, May 2019 (UGC, Scopus Indexed & ESCI)
 https://www.tandfonline.com/doi/abs/10.1080/01430750.2019.1608857?journalCode=taen20
- Mr. M.SESHU, Mrs. K.BHAVANA, Mrs. B.LALITHA, "Closed Loop Current Controlling Techniques For BLDC Motor Speed Control" Journal of Emerging Technologies and Innovative Research (JETIR), PP: 391-399, April 2019, Volume 6, Issue 3, ISSN: 2349-5162 (UGC)
- Mr. NARASIMHA PRASAD TULASI, "Droop Control of Bi-Directional DC-DC Converter for Improved Voltage Regulation and Load Sharing in DC Microgrid", International Journal of Intelligent Engineering and Systems, ISSN: 2185-3118, Vol: 12, No. 3, 2019, PP: 228-243 (UGC & Scopus Indexed)
 http://oaji.net/articles/2019/3603-1555828568.pdf
- 8. Mrs. RAGALEELA DALAPATIRAO, "Coordinated Control of FACTS Devices with Evolutionary Optimization Technique", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249-8958, Volume-8 Issue-5, June 2019, Impact Factor: 5.97 (Scopus Indexed)

https://www.ijeat.org/wp-content/uploads/papers/v8i5/E7631068519.pdf

International Conferences:

Dr. KKC DEEKSHIT presented a paper titled: "Fault Diagnosis in Induction motor using MCMA by Park Os transformation and Wiener Filter based cancellation",
 International Conference on Artificial Intelligence , Smart grid and Smart City Applications at PSG college of Tech, Coimbatore during 4th-5th January 2019.

PROGRAMMES ORGANIZED:

- 1. Arranged a Guest Lecture for II B.Tech students by T.V.V. Sivarama Kumar, Dy. Executive Engineer, Simulator TI, Dr.NTTPS, Ibhrahimpatnam on 2nd February 2019
- Organized A Six- day Short Term Training Programme on "ADVANCED TRENDS IN RENEWABLE SOURCES OF ENERGY" from 24th -29th June 2019 sponsored by AICTE & SAGTE

Co-ordinator: Dr. M.V .RAMESH, Assoc.Prof.

Co-Coordinator: Dr. P.MUTHU KUMAR, Assoc.Prof.



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

 The following faculty members attended STC through ICT mode on "Artificial Intelligence and Optimization" through ICT conducted by PVPSIT in association with NITTR, Chandigarh during 21st -25th January 2019

Dr. K.LENIN, Dr. M.V. RAMESH, Dr. A.ANBARASAN, Dr. P. MUTHUKUMAR, Mr. C. KUMAR, Mr. N.VIJAYA ANAND, Mrs. J. HEMALATHA, Mrs. D. RAGA LEELA Dr. K.C. DEEKSHIT KOMPELLA, Mr. Y. VISHNUMURTHULU, Mrs. B.LALITHA, Mrs. K.BHAVANA, Mrs. G. MADHAVI, Mrs. V.SAI GEETHA LAKSHMI, Mr. M. RAVI KUMAR, Mrs. V. HARIKA, Mr. B. MOHAN, Mr. B. BADDU NAIK, Mr. M. SESHU, Mrs. M. DEVIKA RANI, Mr. B. BALAJI, Mr. B.BALA SAI BABU, Mr. T. SRINIVASA RAO, Mr. PATCHALA KARUNAKAR, Mrs. R.SWATHI, Mr. P. SESHU KUMAR, Mr. T. NARASIMHA PRASAD & Mrs. K.LALITHA

- Dr. CH.PADMANABHA RAJU attended "POWERING Andhra Pradesh ENERGY INNOVATION SUMMIT 2019" in association with govt., A.P, NREDCAP, Confederation of Indian Industry and Dalberg at Vijayawada on 5th and 6th February 2019.
- 3. Mr. B.BADDU NAIK and Mrs. R.SWATHI attended FDP on "Soft computing Techniques for analysis of Large Data sets" at NIT AP during 4th to 9th February 2019.
- 4. Mrs. K.BHAVANA attended a two day national conference on "Innovative Mechanisms& standards for Assuring Quality in higher Education Institutions AIQHEI 2019" on 22nd &23rd March 2019 jointly organized by IQAC & Academic staff college at KL University
- 5. Mr. M.SESHU, Mr. P.SESHU KUMAR and Mr. B.MOHAN attended TEQIP sponsored 5-day workshop on "Smart Techniques in power systems" organized by VNIT, Nagpur from 15th to 19th March 2019
- Dr. M.V. RAMESH & Dr. P.MUTHU KUMAR participated in the one week high intense workshop on "Modelling and Deployment onto an Soc using Matlab and Simulink" organized by Coimbatore Institute of Technology from 23rd – 29th March 2019.
- 7. Mr. B.BALAJI completed Annual Refresher programme in Teaching organized by Govt. of India, Ministry of Human Resources Development in April 2019
- 8. Dr. A. ANBARASAN attended workshop on "Operation and control of wind solar hybrid systems" at NIT, Tirichy during 22nd -26th April 2019.
- 9. Mr. M. SESHU participated workshop on "Interdisciplinary transational research in pursuit of better health care" at Dr. Pinnamaneni Siddhaartha Institute of Medical sciences & Research Foundation, Gannavaram on 24th & 25th April 2019.
- 10. Mrs. V. SAI GEETHA LAKSAHMI and Mrs. M. DEVIKA RANI attended 3 day FDP under AICTE Margadarshan Scheme on "Modern pedagogical techniques and creatie problem solving" dusirn 15th 17th April 2019 at VRSEC.
- 11. Mr. C.KUMAR, Mr. M. SESHU participated one day FDP on "Intellectual Property Rights Innovation" conducted by MBA dept., at PVPSIT on 29th April 2019.
- 12. Mr. C.KUMAR, Assoc Prof attended 5-day workshop on "Solar Photovoltaic system design and MPPT implementation" at NIT, Tiruchirapall, Tamilnadu during 15 19 May 2019

- 13. Mrs. B.LALITHA, Mrs. K. BHAVANA, Mr. M. RAVI KUMAR & Mr. T. SRINIVASA RAO attended one week FDP on Strategies and ICT tools for Power conversion technologies and applications organized by E&ICT Academy at dept., of EEE, NIT, Warangal from 1st 6th May 2019.
- 14. Mrs. V.SAI GEETHA LAKSHMI, asst. Prof attended one week FDP on "Applications of Digital Signal Processing Techniques for Power electronic Systems" organized by the E&ICT Academy at dept., of EEE, NIT, Warangal from 13th 18th May 2019.
- 15. Dr. P. MUTHU KUMAR, Assoc. Prof attended Industrial training to Power lab Instruments, Chennai from 20th May 1st June 2019.
- 16. Dr. CH.PADMANABHARAJU & Mrs. D.RAGALEELA participated in the demonstration and field visit of "Campus Energy Monitoring System" conducted at IIT Hyderabad on 29th June 2019.
- 17. Dr. N.VIJAYANAD, Mrs. J.HEMALATHA and Mr. Y.VISHNU MURTHULU attended FDP on "Recent trends in PE applications is smart grid Electric vehicles and Renewable energy" organized by Dept. of EE, NIT Warangal from 17th to 22nd June 2019.

FACULTY ACHIEVEMENTS

 The following list of faculty enrolled and certified in NPTEL Online Course during January- March, 2019

S.No	Name	Course Name	Certificate Type
1	RAGALEELA DALAPATI RAO	Advances in UHV	
2	B. BADDU NAIK	Transmission and	Elite+Silver
		Distribution	

- 2. Dr. KKC DEEKSHIT presented a paper in the International Conference held at PSG college of Tech, Coimbatore during 4th-5th January 2019. This paper was **selected as the best paper** titled: Fault Diagnosis in Induction motor using MCMA by park as transformation and linear filter based cancellation.
- 3. Mrs. K.BHAVANA secured 2nd prize in Vegetable fruit carving Taruni Tarangalu Mahila Fest at Siddhartha Academy on 13th February 2019.

- 4. Mrs. K.BHAVANA & Mrs. K.LALITHA participated and won 4th place in 46th A.P college Teacher's Badminton tournament at SRR CVR Govt. Degree College, Vijayawada on 16th & 17th February 2019.
- Mr. N.VIJAYANAND awarded Ph.D degree from JNTUK, Kakinada Under the Guidance of Dr.M.Siva kumar, GEC, Gudlavalleru (Supervisor) & Dr.R.Srinivasa Rao (Co-Supervisor) JNTUK, Kakinada

Title: Some New aspects in Model Order Reduction of Interval Systems using Soft Computing approach

FACULTY INTERACTION WITH OUTSIDE WORLD:

- 1. Dr. KKC DEEKSHIT attended as Judge for district level science exhibition at Bhimavaram on 30th January 2019.
- 2. Dr. M.VENU GOPALA RAO attended as Expert for Doctoral Review committee on 9th February 2019 at Vignan's University.
- 3. Dr. M.V.RAMESH attended as a judge for Aagama-19 A national level student technical paper, poster and innovative Models contest on 15th February 2019 at MIC college of Technology, Kanchikacharla
- 4. Dr. CH.PADMANABHA RAJU attended as judge for technical event (GECFEST-19) at GEC 22nd February 2019
- 5. Dr. CH.PADMANABHA RAJU acted as a judge to Saradhi Fest 2k19 at Sri Saradhi Institute of Engg. & Technology, Nuzvid on 15th March 2019.
- 6. Dr. M.VENUGOPALARAO, HOD nominated as member in BOS of EEE Department, Vishnu Engineering College on 25th May 2019.

STUDENT PARTICIPATION:

- 1. Ms. P.BHANUSRI (17501A0291) acted as volunteer for Infusion '19 (annual Fest of IIM Rohtak) during 15th December 2018 to 6th January 2019.
- Mr. D.ISAAC (17501A0226), Mr. D.PAVAN CHANDRA (17501A0230), Mr. P.MAHESHBABU (17501A0286), Mr. P.SRAVANI (17501A0288), Ms. MANASWI (17501A02B1), Ms. V.SUMEDHA (17501A02B3), Ms. V.PUJITHA (17501A02B7) participated as volunteers in 3-day children's fest Amaravathi Balotsavam during 2nd to 4th January 2019.
- 3. Ms.K.DEEPIKA (17505A0217), Mr. SNVSAIKUMAR(16501A0276), Ms. K.TEJU LAVANYA (16501A0281), Ms. T.PRIYA HARSHITHA (16501A0224) participated

- in Ethical Hacking workshop conducted by Kyrion Technologies Pvt.Ltd on 4th & 5th January 2019 at BITS Pilani, Hyderabad.
- 4. Ms. A.L.PRATHYUSHA (165)1A0204), Ms. A.CHARITHASRI (16501A0203) , Ms. K.JYOTHI (17505A0219), Ms. B.KAVYA NAGA SRI (16501A0214), Ms. B.TEJASWI (16501A0211), Ms. B.SUSHMA SRINIVAS (16501A0279) and Ms. J.VYSHNAVI (16501A0237) participated in ROBOTICS & Embedded systems workshop conducted by Kyrion Technologies Pvt.Ltd on 4th & 5th January 2019 at BITS Pilani, Hyderabad.
- Ms. G.DOLLY TEJASWI (16501A0229), Ms. K.LAKSHMI HANUJA (17505A0218), Ms. A.MOUNICA NAGA LAKSHMI (16501A0205) participated in Internet of things workshop conducted by Kyrion Technologies Pvt. Ltd. on 4th & 5th January 2019 at BITS Pilani, Hyderabad
- Ms. N.SRIVIDYA (15501A0265), Ms. P.NAGA KUSUMA (15501A0276), Ms. S.JAYASREE (15501A0294) and Mr. SK.ABBHAS (15501A0296) attended mock parliament organized in Montessori Mahila Kalasala and Muncipal Corporation hall on 7th & 8th January 2019.
- 7. The following students acted as volunteers in the village and house hold survey organized at Prodduturu and Akunuru on 8th January 2019 as a part of Unnat Bharat Abhiyan an initiative of IIT Delhi Ms. CH.TEJASWI (16501A0217), Mr. Y.PRASHANTH KUMAR (16501A0295),
 - Ms. CH. TEJASWI (16501A0217), Mr. Y.PRASHANTH KUMAR (16501A0295), Mr. A.SUBBAREDDY (17505A0202), Mr. CH.MANOHAR (17505A0208) Mr. G.SURESH (17505A0212), Mr. SK.SHABBER BHASHA (17505A0240), Mr. T.PAVAN KALYAN (17505A0245), Ms. CH.YUGA BHARGAVI (17501A0220), Mr. E.PRADEEP (18505A0205), Mr. KS VIVEK (18505A0212), Ms. P.DURGA BHAVANI (18505A0217), Mr. V.RAJA NARASIMHA (18505A0223)
- 8. 16 members of III B.Tech students donated blood in the camp organized by NSS Unit, PVPSIT in association with Lions Club, Vijayawada on 10th January 2019
- 9. Mr. CH.V.RAJESH KUMAR (16501A0221) participated in Local Republic day celebrations held at Indira Gandhi Muncipal Stadium ,Vijayawada on 18th January 2019.
- Mr. R. SIROJ CHANAKYA (17501A0297) and Mr. V.RAMVENKAT (17501A02B8) attended 1 EME ATTACHMENT camp at 1 EME centre Secunderabad from 16th 30th January 2019.

- The following students are participated in 3-day workshop on Enterprenuer development organized by Dept. of MBA from 31st January to 2nd February 2019.
 Ms. V.MANASWI (17501A02B1), Ms. V.PUJITHA (17501A02B7), Ms. P.SRAVANI (17501A0288), Ms. P.BHANUSRI (17501A0291)
- 12. The following students attended 5 day training program on LabView core 1 conducted by ECE Dept. from 31st January to 2nd February 2019

 Ms. B.L.SNEHA (16501A0212), Ms. B.KAVYA NAGA SRI (16501A0214), Mr. G.BHARATH RAJA (16501A0236), Ms. K.SRINIJA (16501A0240), Ms. M.DIVYA (16501A0255), Ms. P.JAYABHAVANI (16501A0270), Mr. S.HEMANTH (16501A0275), Mr. SK.ABDULKAREEM (17505A0230), Mr. P.GUNASHEKAR (17505A0233), Ms. P.NAVYA (17505A0232), Mr. G.KUSHWANTH (16501A0235), Mr. T.SAI KUMAR(16501A0284), Mr. T.PAVAN KALYAN (17505A0245), Ms. HSV HEMALATHA (16501A0285)
- 13. Ms. A.CHINMAYEE SRIJA (15501A0201) participated in all india Inter university yoga tournament (2018-19) at university of Madras, Chennai from 4th to 8th February 2019.
- 14. Ms. V.TEJSWAI (16501A0291) participated on the occasion of Krishna veneeyam, a program on the Krishna River in culture by Indira Gandhi national center for the arts, New Delhi and samskara Bharathi, Andhra Pradesh in February 2019.
- 15. Ms. M.PRAVALLIKA (17505A0228), Ms. N.NEELIMA (17505A0229) participated in Explore's meet -2K19 conducted by SRK Institute of Technology, Enikepadu held on 15th &16th February 2019.
- 16. Ms. P.BHANU SRI (17501A0291) acted as a campus ambassador of the Entrepreneurship cell, IIT, Kanpur for the session 2018-19
- 17. The following students from NCC representing our college are participated in International Yoga Day celebrations conducted at Indoor stadium, Maris Stella College, Vijayawada on 21st June 2019.
 - Ms. P. BHANUSRI (17501A0291), Mr. V. RAMVENKAT (17501A0288), Mr. V. MOHAN SUBRAMANYAM (18501A0292), Ms. K. VINEETHA (17501A0261), Ms. T. SOUJANYA (17501A02A8), Ms. G. KUSUMA (18501A0228)

STUDENT ACHIEVEMENTS:

- Mr. SK. ABDUL KAREEM (17505A0239), Mr. P. GUNASEKHAR (17505A0233) and Ms. NIKILA (16501A0294) secured 2nd place in NI IIOT competition organized by National Instruments and APITA on 21st January 2019.
- Ms. P.LAKSHMI SAHITHYA (17501A0282) of II B.Tech selected for Dr. K.S.N.Prasad sholarship and received an amount of Rs.10,000 in the month of January 2019
- 3. Mr. K.SIVA KUMAR (16505A0212) of IV B.Tech selected for VYSPRO-INDIA scholarship and received an amount of Rs.5,000 in the month of January 2019
- 4. 6 students of III B.Tech & 5 students of II B.Tech selected for SR Jindal Scholarship.
- 5. 3 students of III B.Tech and 2 students of II B.Tech selected for NSF Scholarship
- 6. As a part of Techno fest SITAR-2K19, the following students won prizes in the various events on 8th February 2019.

S.NO	Name of Participant	Prize won	Technical event	
1	B. Haritha (18505A0202)	II Prize	Technical quiz	
	G. Hari Preethi (17501A0244)	11 1 1120		
2	P. Lawrence Manoj (16501A0262)	II Prize	Technical paper	
	P. Jaya Sai Bhavani (16501A0270)	11 1 1120	presentation	
3	P. Bhanusri(17501A0291)	I Prize	Ideathon	

7. Mrs. G.Bhavani Priya (15501A0236) & Mr. P.Hari Krishna (15501A0281) qualified in APICET, May-2019

Placements:

S.NO.	ROLL.NO.	STUDENT NAME	COMPANY
1	15501A0220	CH. HIMA NAGA LAKSHMI	WIPRO
2	16505A0206	GOTIVADA ANIL KUMAR	
3	15501A0221	CH A.LAKSHMI SANTHOSHI	Acuvate software
4	15501A0203	A AKSHAY KUMAR	
5	15501A0232	EDHARA SAI KRISHNAM RAJU	
6	15501A0234	GOTETI VENKATA SATYA JAYA	
7	15501A0249	KONDAVEETI SREEDHAR BABU	Surya Tech Solutions
8	15501A0281	PULIPATI HARI KRISHNA	j
9	15501A0282	PULLETI VEERA VENKATA	
10	15501A0290	SALA RUPESH KUMAR	
11	15501A02A9	VALLABHANENI YEHOSHUVA	

12	16505A0210	KANDELA VENKATESWARLU	
13	16505A0222	POTHARLANKA ADIDYA NAGA	
14	16505A0225	SHAIK AZHAR	Surya Tech Solutions
15	16505A0226	SHAIK SANA WULLAH	,
16	16505A0227	THOTAPALLI VIJAY KUMAR	
17	14501A0274	PALLAPU SABARIGIRI	
18	15501A0227	DASARI SOWMYA	CTS (Cognizent)
19	15501A0206	BADATALA ANUSHA	
20	15501A0213	BODAKA SAI PRIYA	0
21	15501A0217	BOGISAM SOMA SEKHAR	
22	15501A0226	DANABOYINA NAGA JYOTHI	0//
23	15501A0246	KANCHI PAVANI	
24	15501A0254	LAKSHMISETTI VENKATA SIVA SAI	Vee Technologies
25	15501A0256	MADASANI LAKSHMI SOWJANYA	
26	15501A02B0	VEERANKI VENKATA NAGENDRA	
27	16505A0213	KODUKULA SAUJANYA	
28	16505A0216	MANDA SWATHI PRIYANKA	
29	16505A0217	METLA HARIKA	
30	15501A0202	ABDUL NOORUL HAQ	
31	15501A0218	BUGGA SIVA SACHIN	Sutherland Global
32	15501A0226	DANABOYINA NAGA JYOTHI	Services
33	15501A0237	GUNJULURI CHANDRA KEERTHI	
34	16505A0217	METLA HARIKA	NTT Data
35	15501A0254	LAKSHMISETTI VENKATA SIVA SAI	
36	15501A0208	BANDARU NAGA VANAJA	
37	15501A0222	CHAVVAKULA ESWAR SRI SAI TEJA	
38	15501A0225	DADISETTY RAVITEJA	TCS
39	15501A0280	P SRILAKSHMI	100
40	15501A0284	PUTTA SUDHEER KUMAR	
41	16505A0217	METLA HARIKA	

INDUSTRIAL VISIT:

1. II B.Tech students visited "Dr. NTTPS", Ibrahimpatnam on 9th & 10th January 2019.



Accompanied Faculty Members: Mrs. D.RAGALEELA, Mr. T.SRINIVASA RAO, Mrs. V.HARIKA and Mr. P.SESHU KUMAR

2. 48 students from III B.Tech went to industrial tour to South India from 1st - 7th February 2019 Accompanied by Mr. M.SESHU and Mrs. D.VIJAYA LAKSHMI

<u>List of industries visited</u>:

Deepanjan Power cables, Mysore

Bench mark Tea Factory, Ooty

Radio Astronomy center



3. III B.Tech students visited "Kumar Pumps", Tenali on 6th & 7th February 2019 accompanied by Dr. M.V.RAMESH, Mr. N.VIJAYAANAND, Mrs.VSG LAKSHMI and Mrs. K.BHAVANA.

