

CURRICULUM VITAE

Dr. N.KALPANA

H.NO: 3-4-1080/A/1,

Kachiguda,

Hyderabad – 500027

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Career Objective:

To obtain a position so as to associate myself and contribute within the organization and to utilize the knowledge that I have acquired from my education, such that I can strive for knowledge and quality in the field of Electrical & Electronics Department.

Experience:

Having 18 years experience in teaching Electrical & Electronics Engineering as Assistant & Associate Professor in private engineering colleges.

Present Employer:

Working as an Assistant Professor in **EEE Department of Matrusri Engineering College, Hyderabad** from 15TH December 2014 to till date.

Previous Employer:

- ☐ Nishitha College of Engineering & Technology, Lemoor, R.R.Dist, for 33 months i.e from July 2004 - Feb 2007.
- ☐ Swami Vivekananda Institute of Technology, Secunderabad, for 27 months i.e. from 02nd April 2007 - 07 July 2009.
- ☐ Teegala Krishna reddy Engineering College, Hyderabad for 3 years from 06 July 2009 to 30 June 2012.
- ☐ Gynana Sarswathi College of Engineering & Technology, Nizamabad for 2 years from 12 July 2012 to 12 December 2014.

Educational Qualifications:

- Awarded Ph.D from Acharya Nagarjuna University.
- M.Tech(EPE) from JNTU, Hyderabad .

- B.Tech from KTMC ,Mahaboobnagar Affiliated to JNTU Hyderabad.
- D.E.E.E. from Govt. Polytechnic college,Nizamabad .
- S.S.C. from C.S.I.High School,Nizamabad..

Subjects Taught:

B.Tech Subjects

Control Systems, Network Analysis, Electrical Substation Design & Equipment, Electrical Power distribution Systems, Electrical Circuits, Electrical Measurements, Utilization of Electrical Energy, PSOC, Power Systems, SGP, Power Electronics, High Voltage Engineering, HVDC Transmission systems, MPMC,EMI,ECM,BEE,ET, BEE

M.Tech Subjects

FACTS, Power System Stability and Control, HVE&IC, Analysis of Power Converters, HVDC Transmission systems,MPMC

Labs handled:

B.Tech Labs

Control Systems lab. Networks lab, Electrical Measurements lab Simulation Lab, Electrical Circuits Lab, Electrical Technology lab, EM-I lab, Power electronics lab, Power systems lab, DSP lab, MPMC lab,

M.Tech Labs

Machines &Power Systems Lab, Power Converters Lab, MPMC lab

Skill Set:

- Operating System : MS DOS, MS Word, Power Point .
- Programming Languages : ALP using 8085,8086, MAT Lab.Kiel.
- Packages : MS-Office, PSPICE.

Extra Curricular:

- Acted as M.Tech Co-ordinator for EPE &EPS
- Event organizer in all College Annual Day Functions and other Technical events like Surge,Corona-09, Sadhya.
- Acted as In charge for Students Technical Forum
- Acted as Co-ordinator for Students
- Acted as Co-ordinator for One – day National Level Workshop on Recent Developments in Power Electronics And Drives.

Faculty Development Programme, Workshop & Conference attended:

A.Y. : 2022-23

1. Faculty Training Program on Modeling & Dynamic Simulation of an Electric Vehicle organized by Matrusri Engineering College, Saidabad, Hyderabad.
2. "ENERGY LITERACY TRAINING " of the Energy Swaraj Foundation organized by Energy Swaraj Foundation.
3. One week online International FDP on "Trends &Challenged in the development of electric vehicles & Hybrid Electric Vehicles (series-2) organized by Lendy Institute of Engineering and Technology,Vizianagaram. One week online FDP on "Recent Advances in Electrical Engineering" organized by G.Pullareddy Engineering College, Kurnool.
4. Professional Development Programme on "Implementation of NEP2020 for University and College Teachers" organized by IGNOU.
5. One week fdp on "Pedagogial approaches in teaching engineering mathematics" organized by Matrusri Engineering College, Saidabad, Hyderabad.
6. Three day workshop on "English Matters for Masters" organized by Matrusri Engineering College,Saidabad,Hyderabad

A.Y. : 2021-22

7. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Electric Vehicles: Technologies and Challenges organized by A D Patel Institute Of Technology.
8. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Challenges and Control of Green and Sustainable Energy systems using Artificial Intelligence techniques" organized by BVRIT HYDERABAD College Of Engineering For Women.
9. one week national level online faculty development program on "Signals, Systems and Transform Techniques" organized by Maturi Venkata Subba Rao (MVSR) Engineering College (Autonomous), Hyderabad.
10. One week online FDP on Recent advancements & Research Opurtunities in Energy Sector" organized by Aditya Engineering College, E.G. distic, A.P.
11. Refresher Program on"Challenges and Opurtinities in Electric Vechile Technology" organized by AITS, Rajampet, A.P.
12. "Sustainable Energy Research, Innovation & Planns organized by National Institute of Technology, Silchur.
13. Online FDP on Modelling, Simulation and Contrrol and Control of advanced Power Converters organized by GRIET,Hyderabad.

A.Y. : 2020-21

14. AICTE Training And Learning (ATAL) Academy (FDP)- Electric Vehicles organized by Teegala Krishna Reddy Engineering college
15. FDP(ATAL)-Internert of Things (IoT) organized by P.S.R. Engineering College
16. AICTE sponsored STTP on Recent advances in EV Technologies–Series C organized by Matrusri Engineering College
17. ATAL FDP on "Challenges and Control of Green and Sustainable Energy systems using Artificial Intelligence techniques" organized by BVRIT HYDERABAD College of Engineering for Women
18. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Electric Vehicles: Technologies and Challenges" organized by A D Patel Institute Of Technology

AY 2019-20:

19. 3 day work shop o Resent trends in Green Technology organized by EEE department in collaboration with IEEE PeS, MVSR-SB.
20. Short term training programme through ICT mode on problem based learning Organized by NITTTR, Matrusri engineering college.
21. Short term training programme through ICT mode on Theory, operation and application of Transducer s and Actuators in Industry organized by NITTTR , Matrusri Engineering College.
22. Online Webinar on the topic "Stress Management Skills " organized by Women Empowerment Cell of K.L.N College of Engineering , Pottapalayam - 630 612.
23. A Five day FDP on “ IPR Awareness and Patent Prosecution” organized by Department of Information Technology, CMR Engineering College,Hyderabad.
24. Challenges and Innovation in Renewable Energy Technologies by 2020 organized by Department of EEE, Tagore Institute of Engg. & Technology.
- 25.

AY 2018-27:

26. One week National Level Workshop on **High Impact Teaching skills** workshop conducted by Mission 10X Wipro and I am certified
27. Three Day National Level Workshop on **Control and Optimization** organized by Swami Vivekananda Institute of Technology, Secunderabad
28. one Day National Level Workshop on Recent Developments in Power Electronics And Drives organized by Teegala Krishna reddy Engineering College, Hyderabad
29. one week National Level Workshop on Global Trends in Renewable Energy Systems and Smart Grids-GTRESSG- 2016 by CVR College of Engineering
30. one Day Work shop conducted by Intel on High Processing Computers-DEVCON 2016 organized by Novatel
31. one Day Work shop conducted by Vivekananda Institute of Human Excellence at RK Math Premises.
32. one week National Level Workshop on Control System Theory organized by MVSR Engg College
33. two week ISTE STTP on “Electric Power System organized by IIT KGP, at Malla Reddy Engineering College.
34. one week National Level Workshop on Recent advances in Distributed generation and Power Quality organized by Sreenidhi Institute of Science and Technology
35. in Three Day Workshop on “**Beyond Syllabi**” organized jointly by Career Path Solutions Ltd. and Matrusri Engineering College, Hyderabad during 8th -10th January, 2018.
36. in Three Day National Level Workshop on “**Pedagogical Skills for Faculty in Outcome Based Engineering Education**” organized jointly by IEEE Hyderabad Section, IEEE
37. Presented a paper entitled “Modelling of SSSC to Enhance power system stability using MATLAB Simulink” in the “**1st National Conference on Trends in Science, Engineering & Technology (NTSET-2018)**” held during 2nd-3rd February, 2018 organized by Matrusri Engineering College, Hyderabad.

38. Received reviewer certificate from the International Journal of Engineering and Technology Innovation (IJETI), which is Scopus journal

Papers Published:

1. N.Kalpana, M. Venu Gopala Rao, "A Novel Technique for Evaluating Optimal Power Flow and SVC Performance Using the ABC Algorithm" Proceedings of the International Conference on Electronics and Renewable Systems, ICEARS 2023, 2023.
2. N.Kalpana, M. Venu Gopala Rao, "A Standardized Approach for Evaluating UPFC's Optimal Location Using Metaheuristic Algorithms to Improve Power Quality" Proceedings of the International Conference on Electronics and Renewable Systems, ICEARS 2022, 2022.
3. N.Kalpana, M. Venu Gopala Rao, " Impact of Crow Search Algorithm to Minimize Transmission System Power Losses", Journal of green engineering. Volume 10, issue 10. Pages: 12851-12864.
4. N.Kalpana, M. Venu Gopala Rao, " A Generalized Technique to Assess the Optimum Location and Performance Analysis of UPFC using Swarm-Based Algorithms", Journal of green engineering. Volume 11, issue 1. Pages: 88-103.
5. N.Kalpana, M.Venu Gopalarao.. "Implementation Of Evolutionary Algorithms For Optimization Of Power System" High Technology Letters, Volume 26, Issue 7, 2020. <https://doi.org/10.37896/Htl26.07/1358>.
6. N.Kalpana, M.Venu Gopala Rao."Optimal location of UPFC to minimize the real power losses using Firefly Algorithm", International Journal of Engineering and Advanced Technology, Blue Eyes Intelligence Engineering & Sciences Publication, vol. 9, issue.3 , pp. 2675-269,2020.
7. N.Kalpana, M.Venu Gopala Rao."Optimal location of UPFC to minimize the real power losses using NSPSO Algorithm", IJITEE, Blue Eyes Intelligence Engineering & Sciences Publication, vol. 8, no.12 , pp. 924-931,2019. Published a paper entitled "Development of Remote Buttons in Android App (Bluetooth) To Control a Robo" in International Journal of engineering science and computing (IJESC) Volume 7, Issue 7, June 2016, pp 160-164.
8. Published a paper entitled "Design and Analysis of FACTS Devices with Performance Evaluation" in International journal of scientific engineering and technology research (IJSETR) Volume 6, Issue 17, MAY 2016, pp 160-164.
9. Published a paper entitled "FACTS DEVICE FOR VOLTAGE REGULATION IN MICRO GRID APPLICATIONS" in International Research Journal of Engineering and Technology (IRJET) Volume5 , Issue 11, June 2016, pp 482-1485.

Patents Published:

- "A Smart And Wearable Mine Detection System" Patent Application Number: 202241075358 Date of Filing 30/12/2022.
- "An AI & ML Based System For Building Architecture & Map" Patent Application Number: 202141050400, Date of Filing 03/11/2021.

- “IOT and Machine Learning based portable EEG device for prediction of brain seizure” Patent Application Number: 202141052117, Date of Filing 13/11/2021.

Membership of Professional Bodies:

- MIE M-1746600
- MIAENG# 220209
- MISTE M-1747600

Personal Profile

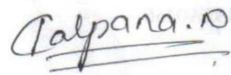
Husband's Name	:	S.Ravinder Kumar
Date of Birth	:	10-06-1981.
Permanent Address	:	H. No. 3-4-1080/A/1.Kachiguda,Hyderabad -27.
Languages known	:	English, Hindi, Telugu
Marital Status	:	Married
Contact Number	:	9059132171
E-mail Address	:	kalpana@matrusri.edu.in kalpana924@yahoo.com

DECLARATION

I hereby declare that all the statements made in these curriculum vitae are true, complete and correct to the best of my knowledge and belief.

Place : Hyderabad

Date :



(Dr.N.KALPANA)