

Faculty Profile

Name: SYED SARFARAZ NAWAZ

About me :

Syed Sarfaraz Nawaz joined in this institution on 23/06/2008. He is pursuing PhD from JNTUH. He had done his M.Tech in 2010 from GRIET Hyderabad and his B.Tech in 2007 from SSITS affiliated to JNTUH. He had overall experience of 10 years. He is familiar with software's like MATLAB, LABVIEW, EAGLE, KEIL, Proteus, Multisim, Dspace, VISIM etc. He had done projects like Automation of Alternator using Labview, motor heat protection using Labview., Solar power tracking using PLC's and control of kitchen appliances using remote control, 7.5w isolated boost converter and study project on high voltage distribution transmission etc. His areas of interests are Power Systems and Power Electronics.

Courses Taught: Electromagnetic field theory, Electrical Distribution Systems, Power systems I, Power systems II, Renewable Energy Sources, Non-Conventional Sources of Energy, Neural Networks and Fuzzy Logics, Power Generation And Distribution

Journal Publications:

1. Rithvik reddy adapa, **Syed Sarfaraz Nawaz**, D G Padhan, **Analytical study of magnetic field intensity for various coils shapes**, INDICON 2020.
2. Manthoj Ashok, **Syed Sarfaraz Nawaz**, M. karthika, **"IOT Based Home Automation using Raspberry PI"**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), DOI: 10.35940/ijitee.D1565.029420 ISSN: 2278-3075, Volume-9 Issue-4, February 2020.
3. Prasad P., **Nawaz S.S.**, Kiran M.U, **"Rotor power flow control of doubly fed induction generator using dspACE ds1104"**, International Journal of Innovative Technology and Exploring Engineering, Volume8, Issue12, DOI 10.35940/ijitee.L2819.1081219, ISSN 22783075, 2019.
4. Kiran M.U., **Nawaz S.S.**, Prasad P.V.S.G, **"Induction motor speed control fed by an inverter coupled with DSPACE controller"** International Journal of Innovative Technology and Exploring Engineering, Volume8, Issue12, DOI 10.35940/ijitee.L2649.1081219, ISSN 22783075, 2019.
5. **R.Anil Kumar**, **Syed Sarfaraz Nawaz**, **"Speed Control of BLDC Motor using DRV8312EVM in VisSim Environment"**, CVR Journal of Science and Technology, ISSN 2277 – 3916, Volume 13, December 2017.

6. Syed Sarfarz Nawaz, M.N. Sandhya Rani, "*Speed Control of Induction Motor Using Arduino*", ISSN: 2456 – 2165, Vol 2, Issue 9 September– 2017.
7. L. Vinod Kumar , Syed Sarfaraz Nawaz, "*Design and Implementation of Inverter for driving Induction Motor using DSPACE*", IJRASET Volume 4 Issue XI, November 2016 IC Value: 13.98 ISSN: 2321-9653
8. R. Spandhana, Syed Sarfaraz Nawaz, "*Design and Operation of DC Drive Using Class E Chopper*", IJSER ISSN (Online): 2347-3878 Index Copernicus Value (2015): 62.86.
9. Srikanth Suroju, R. Anil Kumar, Syed Sarfaraz Nawaz, "*Design of Class Φ 2 inverter by using DSPACE Controller*", IJSETR ISSN 2319-8885 Vol.05, Issue.51 December-2016, Pages:10588-10595.
10. S. Radhika, Syed Sarfaraz Nawaz, "*Design and Analysis of Current Mode control of Boost Converter*", International Journal of Science and Research (IJSR), ISSN (Online): 2319-7064, Paper ID: NOV152882, Volume 5, Issue 1, January 2016
11. S. Radhika, Syed Sarfaraz Nawaz, M.N. Sandhya Rani, "*Differential current protection of Transformer using Arduino with voice alert*", International Journal of Innovations in engineering and Technology (IJIET), ISSN: 2319-1058, Volume 6, Issue 2, December 2015.

International Conference Proceedings:2

1. T. Suresh Kumar, Sarfaraz Nawaz Syed "*Closed Loop Grid Reactive Power Compensation using DFIG*" IEEE International Conference on Control, Power, Communication and Computing Technologies, ICCPCCT 2018, Kerala; 23rd – 24th March 2018. ISBN: 978-1-5386-0796-1. Scopus Indexed.
2. Rohan Devara, Syed Sarfaraz Nawaz , "*Design of Shunt Active Power Filter for Harmonic Compensation in Power Systems*" International Conference on Innovations in Electrical & Electronics Engineering (ICIEEE-2014), ISBN: 978-93-82163-55-8, September-2014, pp-353-358

National Conference Proceedings:2

1. Rohan Devara, Syed Sarfaraz Nawaz, "*Design of Shunt Active Power Filter for Harmonic Compensation in Power Systems*" National Conference on Electrical Sciences- (NCES-2014), ISBN: 978-93-83083-68-8, July 2014, pp-70-75.
2. S.S. Nawaz, R. Anil Kumar, R. Anil Kumar, V. Vijaya Rama Raju and P. M. Sarma, "*Reactive Power Compensation of Grid using DFIG*," Proc. of National Conference on Advanced Controls, 26-27 November 2009, Gokaraju Rangaraju Inst. of Engg. and Tech., Hyderabad, India.

Research Interest: Power Systems and Power Electronics.

Seminars/Workshops Attended:

- 1.AAKASH for education
- 2.Introduction to Machine learning conducted by IIT Kharagpur
- 3.A Two-week FDP on Open Source Software through TEL by spoken tutorials
- 4.NI LABVIEW Core1&Core2
- 5.Control Systems conducted by IIT-Kharagpur
- 6.Two-Week ISTE Workshop on Analog Electronics conducted by IIT-Kharagpur
- 7.Electric Power System by IIT Kharagpur
- 8.Accreditation quality enhancement through OBE Education
- 9.ISTE workshop on Signals & Systems
- 10.FDP on Computer simulation Technology studio suite and antenna magus
- 11.FDP On EMF
- 12.IEEE ICCPCCT
- 13.Acadamic Leadership Programme for TEQIP Institutions
- 14.Workshop on NBA
- 15.Solar photovoltaic traing programme
16. analog electronics
17. BEST PRACTICES IN TEACHING AND LEARNING METHODS
- 18.NBA through ABET
- 19.Electrical Safety Hazards and Control
20. Energy principles and its study on constructional aspects of Electrical Machines
21. Measurement and Control for Industrial Automation
22. SeFet 2019
23. Indian Electricity Rule and Code of Practices
24. Susstainable Technologies for Electric Transportation Systems
25. Mentoring Educators in Educational Technology(FDP301X)

Awards: Best Paper award in IEEE International Conference on Control, Power, Communication and Computing Technologies (ICCPCT 2018) held at Vimal Jyothi Engineering Collage, Kerala