



Department of Electrical and Electronics Engineering
MANUU Polytechnic Kadapa
School of Technology
Maulana Azad National Urdu University (Central University)
satellite Campus Kadapa, Andhra Pradesh, 56004, India

+91-9875521816

ashrafraza510@gmail.com

ASHRAF RAZA | LECTURER

CURRENT DESIGNATION/ Currently working as a **Lecturer** in Department of Electrical and Electronics.

INVOLVEMENT Engineering, MANUU Polytechnic Kadapa, Andhra Pradesh, India.

AREA OF SPECIALIZATION

- PID controller design for Process control systems.
- Electric Drives and Power Electronics.

ONGOING ACADEMIC RESEARCH/PROJECTS

- Controller design for unstable process

INNOVATION WITH FIELD OF STUDY AND COLLABORATIVE EFFORTS

ACADEMIC AND ADMINISTRATIVE EXPERIENCE

- **6 Years 9 Months Teaching Experience (3 Years 7 months in MANUU).**
- Coordinator of Electrical & Electronics Engineering Department from 18/08/2022 to till date.

EDUCATIONAL QUALIFICATION

- **Doctor of Philosophy (Ph.D.)** in Electrical Engineering, National Institute of Technology Patna in 2021.
- **M.Tech** (Electric Drives and Power Electronics) from Indian Institute Of Technology in 2012.
- **B.Tech** (Electrical Engineering) from ZHCET, Aligarh Muslim University in 2010.
- **Diploma in Engineering** (Instrumentation & Control) from University Polytechnic, Aligarh Muslim University in 2006.

TEACHING PROFICIENCY

RESEARCH PUBLICATION DETAILS

1. **Ashraf Raza** and Md Nishat Anwar, "A unified approach of PID controller design for unstable processes with time delay", Journal of Central South University, vol. 27, pp. 2643-2661, 2020. (SCIE)
2. **Ashraf Raza** and Md Nishat Anwar, "Control of integrating process with time delay", Chemical Product and Process Modeling, vol. 14(3), Sep 2019. (published online with DOI: 10.1515/cppm-2018-0042). (ESCI/SCOPUS)

3. **Ashraf Raza** and Md Nishat Anwar, "Direct synthesis based PID controller design for time-delayed unstable processes in parallel control structure", *Journal of Control Automation and Electrical Systems*, vol. 30(6), pp. 879- 891, 2019. (ESCI/SCOPUS)
4. **A. Raza**, N. Pathak, M.N. Anwar, "A PID controller tuning rule for FOPDT process to achieve better load disturbance rejection based on maximum sensitivity," *International Conference on Smart grid, Power and Advance Control Engineering (ICSPACE)*, pp. 171-176, Bangalore, India, 17-19 August 2017.
5. **A. Raza** and M.N. Anwar, "PID controller design for speed control of Brushless DC motor via direct synthesis approach in frequency domain," *International Conference on Energy, Material and Information Technology (ICEMIT)*, Ranchi, India, 23-24 December 2017.
6. M.N. Anwar, S. Pan and **A. Raza**, "PID controller tuning in Smith predictor configuration for stable processes with large time delay using IMC scheme," *International Conference on Energy, Material and Information Technology (ICEMIT)*, Ranchi, India, 23-24 December 2017.
7. A. Kumar, M.N. Anwar and **A. Raza**, " A PID load frequency controller design via pole placement and approximate frequency response matching," *International Conference on Energy, Material and Information Technology (ICEMIT)*, Ranchi, India, 23-24 December 2017.
8. R.Raghav, **A. Raza** and M.Asim, "Distributed Power Flow Controller-An Improvement of Unified Power Flow Controller," *International Journal of Advance Engineering and Research Development*, vol. 2, issue 5, May 2015, pp. 29-39.
9. S. Zohara, **A. Raza** and F. Yasmeen, "Comparison between Newton-Raphson method and Genetic algorithm method for load flow problem", *International Journal for Science and Advance Research in Technology*, vol. 1, issue 9, sep.2015, pp. 91-94.

DETAILS OF
CONFERENCE/SEMINAR
/WORKSHOP/ FDP
(ATTENDED/PRESENTED)

1. Attended Professional Development Programme on "Advance Pedagogy" at NITTTR, Chennai From 29/08/2022 to 03/09/2022 (One week).
2. Attended Industrial training at Regional Telecom Training Centre BSNL, Hyderabad during 16th Nov 2020 to 05th Dec 2020 (three weeks)
3. *International Conference on Smart grid, Power and Advance Control Engineering (ICSPACE)* at Global Academy of Technology, Bangalore presented paper "A PID controller tuning rule for FOPDT process to achieve better load disturbance rejection based on maximum sensitivity" during 17-19 August 2017.
4. *International Conference on Energy, Material and Information Technology (ICEMIT)* at Amity University Jharkhand, Ranchi presented paper "PID controller design for speed control of Brushless DC motor via direct synthesis approach in frequency domain" during 23-24 December 2017.
5. *International Conference on Energy, Material and Information Technology (ICEMIT)* at Amity University Jharkhand, Ranchi presented paper "PID controller tuning in Smith predictor configuration for stable processes with large time delay using IMC scheme" during 23-24 December 2017.
6. Coordinated the 5 days Short term course on "Computer aided electrical machine design" from 23rd -27th April 2018 at NIT Patna.
7. Participated in 10 days GIAN course on "Robustness, Fragility, Optimality and Modern PID control" from 11-20th Dec,2017 at NIT Silchar.
8. Attended 3 days workshop on "LabVIEW" organized by Micro-Pro & NI from 14-16th March 2016 at NIT Patna.
9. Organised 5 days short term course on "Advance Power Electronic Converters for Renewable Energy and Smart grid" from 15-19th Feb, 2016 at Integral University, Lucknow.
10. Attended one day workshop on "PLC & SCADA application" on 15th Sep, 2015 at Integral University, Lucknow.

11. Participated in one day seminar on “Auto CAD, Electrical” on 18th Aug, 2015 at Lucknow.
12. Participated in one day Institutional Training Programme on “oil conservation” organized by PCRA on 01 Aug, 2015 at Integral University, Lucknow.
13. Attended 2 days training program on “Introduction to PSCAD and its general applications” from 18-19th March, 2015 at Integral University Lucknow.
14. Attended one day seminar on “ARM (Advanced RISC Machine)” on 12th March, 2015 at Integral University Lucknow.
15. Participated in 3 days National workshop on “Arm Controlled Robotics” conducted by Microbotric Technologies Pvt. Ltd. from 11-13th Feb 2015 at Integral University Lucknow.
16. Organized one day workshop on “Industrial Automation using PLC, SCADA” in collaboration with LogiconAutomation on 14th March 2014 at Integral University Lucknow..
17. Attended in “1st National Level Workshop on Intellectual Property System: India Today and Tomorrow”, 10 Jan, 2014 at Integral University, Lucknow.
18. Participated in “Institutional Training Programme” on oil conservation organized by PCRA on 24 Aug, 2013 at Integral University Lucknow.

DETAILS OF KEYNOTE
SPEAKER/RESOURCE
PERSON/ SESSION CHAIR
ETC.

- ACHIVEMENTS
1. Qualified GATE-2010 with Gate score of 650 (AIR-481).
 2. First position in Diploma engineering in Instrumentation & Control.

- DETAILS OF SUPERVISION
(M.PHIL/M.TECH/P.HD.)
1. Guided M.Tech student (Rashmi Raghav) on “Comparative study of distributed power flow controllers (DPFC) & unified power flow controller (UPFC)” at Integral University, Lucknow in July 2015.
 2. Guided M.Tech student (Saiyeda Zohra) on “ Load flow problem using genetic algorithm” at Integral University, Lucknow in July 2015.

- PROFESSIONAL MEMBERSHIPS
- International Association Of Engineers (IAENG) membership (member no: 139197).
 - National Digital Library of India
 - ORCID

PERSONAL DETAILS	Father’s Name	: Md Moin Akhter
	Date of Birth	: 16 th June 1985
	Gender	: Male
	Marital Status	: Married
	Nationality	: Indian
	Language Known	: English, Urdu, Hindi and Bengali

Date: 5th July 2023
Place: Kadapa

(Ashraf Raza)

[5th July 2023]