Baziga Youssuf, M.Tech.

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Employment History

2012-2013 **Assistant Professor.** SSM College of engineering and technology, Pattan

2016 -2017 **Lecturer.** National Institute of Technology Srinagar ,J&K, India.

2018 – Till Date **Assistant Professor.** Islamic University of Science and Technology Awantipora

Education

2017 – till date **Pursuing Ph.D. National Institute of Technology Srinagar**.

2013– 2015 **M.Tech. Electric Power and Energy Systems, National Institute of Technology Srinagar**

2007 – 2011 **B. Tech Electrical Engineering, University of Jammu.**

Research Publications

Journal Articles

1. Power quality improvement in grid-connected photovoltaic system under partial shading condition,Baziga Youssuf &Sheikh Javed Iqbal,Pages 101-114 | Received 09 Mar 2023, Accepted 27 Sep 2023, Published online: 09 Apr 2024,https://doi.org/10.1080/1448837X.2024.2307841
2. Tarray, T. A., Ganie, Z. A., & Youssuf, B. (2019). An Improved Mathematical Model Applying Practicable Algorithms . Journal of Applied Science, Engineering, Technology, and Education, 1(2), 114-118. https://doi.org/10.35877/454RI.asci1245F.
3. FTarray, T.A., Gani, Z.A., Youssuf, B. (2021). A Stratified Optional Mathematical Model. In: Iqbal, A., Malik, H., Riyaz, A., Abdellah, K., Bayhan, S. (eds) Renewable Power for Sustainable Growth. Lecture Notes in Electrical Engineering, vol 723. Springer, Singapore. https://doi.org/10.1007/978-981-33-4080-0_29.
4. International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075 (Online), Volume-11 Issue-12, November 2022 https://doi.org 10.35940/ijitee.L9314.11111222 , Simulation of Flyback Converter in MATLAB with and Without the Use of Input Filter Saqib Asgar Kanth, Baziga Youssuf

Conference Proceedings

1. **A stratified RR model using the polya's URN process**
@proceedings{10.1145/3339311,title = {ICAICR '19: Proceedings of the Third International Conference on Advanced Informatics for Computing Research},year = {2019},isbn = {9781450366526},publisher = {Association for Computing Machinery},address = {New York, NY, USA},location = {Shimla, India}

Skills

Languages Strong reading, writing and speaking competencies for English, Urdu, Hindi and Kashmiri.

Coding and Softwares MATLAB, Python, Latex.

Misc. Academic research, teaching, training, computer skills, typesetting and publishing.

Training/Workshop/Seminar

Name of the course	Place /Institution	Duration in weeks with dates	Sponsoring agency
Embedded system and Robotics workshop	DOCSE, Islamic University of Science and Technology	Two days 21-11-2023 to 22-11-2023	DOCSE in collaboration with e-yantra IIT, Bombay
Advanced Control of Standalone Energy Systems	DOEE ,NIT SRINAGAR	One week 13-06-2022 to 17-06-2022	Online workshop
FDP on Grid decarbonization and distributed energy resources to mitigate climatic change	DOEE, Islamic University of Science and Technology	One week 18-12-2023 to 23-12-2023	ATAL sponsored.
FPGA Programming in Power and Control Application	Islamic University of Science and Technology	One week 10-09-2018 to 14-09-2018	TEQIP III
Rooftop Solar Grid Engineer	Jamia milia Islamia in collaboration with NISE/ New Delhi	Two weeks 14-01-2019 to 24-01-2019	TEQIP III
NPTEL Awareness workshop	Islamic University of Science and Technology	One DAY 30-11-2018	IUST/ IIT KANPUR
Scientific and Technical Documentation using LaTex	NIT Srinagar	Two days 08-06-2019 to 09-06-2019	TEQIP III
Computational Methods in Electrical Engineering	Islamic University of Science and Technology	Two days 31-03-2021 to 01-04-2021	TEQIP III
Air Traffic Management over Indian Airspace: Operational Procedures and dynamic flow modelling	Islamic University of Science and Technology	One day 30-10-2021	IUST
Final Year Design Projects: Choices and Implementation	Islamic University of Science and Technology	One day 11-11-2021	IUST
Power Electronics Applications in Electric Vehicles	Islamic University of Science and Technology	One day 26-11-2021	IUST

Orientation/Training courses

Name of the Course	Place/institution	Duration in weeks with date(s);	Sponsoring Agency
12th One Month Faculty Induction Programme/ Oreintation programme	Aligarh Muslim University , Aligarh	4 week+ (one month) 01-11-2022 to 05-12-2022	UGC-HRDC
Two weeks training programme on 'solar grid engineer'	JAMIA MILLIA ISLAMIA & NISE,GOI	TWO WEEKS (14-01-2019 TO 24-01-2019)	JMI in collaboration with NISE(MNRE,GOI)

PROJECTS:

S.No.	Title of the Project	Sponsoring Agency	Amount of the Project	Duration of the Project	Status	Year
01	Analysis and protection of privacy through randomized response technique using branch and bound algorithm	TEQIP III	2 lakhs	2 years	COMPLETED	2019-2021
02	Design & Development of apple sorter & grader based on color & size.	JKSTIC	12 lakhs	2 years	undergoing	2023-2024

Outreach Activities

S.No.	Programme/Activity	Date	Participants	Role
1.	Organized Lectures on Physcis and Chemistry topics for the students of 11th and 12th standard	9-13 OCT ,2023 (chemistry lectures) 20-21 Nov ,2023 (physics lectures)	Students Of 11th and 12th standard of Mantaqui Memorial Higher Secondary School	NODAL OFFICER Mantaqui Memorial Higher Secondary School, IUST.
2.	Organized Lectures on Physcis and Chemistry topics for the students of 11th and 12th standard	16-08-2022 to 06-09-2022(chemistry lectures) 10-08-2022 to 28-09-2022(physics lectures)	Students Of 11th and 12th standard of Mantaqui Memorial Higher Secondary School	NODAL OFFICER Mantaqui Memorial Higher Secondary School, IUST.
3.	Free Health camp at Kral Mohalla, AWANTIPORA	31st May - 1st June, 2022	Local community adjacent to IUST	Departmental outreach coordinator

Departmental / Instuitional Duties:

1. Member, Departmental Verification Committee
2. Batch mentor/Academic coordinator
3. Member Examination committee
4. Departmental coordinator MOOCS Committee
5. Member Research Activities Committee
6. Member Lab Development committee
7. Member Project committee.
8. Member Board of Studies.
9. Member Secretary Departmental monitoring committee.
10. Incharge HOD from 09-01-2020 to 29-01-2020.
11. Departmental coordinator for ABC accounts through digilocker.
12. Member Lab Development
13. Incharge HOD from 23-03-2022 to 26-03-2022.
14. Member cultural committee.
15. Member DPTC for department of chemistry(VC Nominee).
16. Member University outreach program.
17. Nodal officer for Mantaqi Memorial Wakf Higher Secondary School, Awantipora.