# 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 JK India. |
| 2018 – Till Date | 🔖 | **Assistant Professor.** Islamic University of Science and Technology Awantipora |

## Education

| 2017 – till date | 🔖 | **Pusuing 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. 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.

2. 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.

### 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, consultation, computer skills, typesetting and publishing. |

# Training/Workshop/Seminar

| Name of the course | Place /Institution | Duration in weeks with dates | Sponsoring agency |
|---|---|---|---|
| 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 | 3 lakhs | 2 years | undergoing | 2023-2024 |