



Department of Electrical & Electronics Engineering,
Maulana Azad National Urdu University (Central University)
Polytechnic Cuttack Campus, Odisha-753015, India

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DR. ABRAR UL HAQ | Incharge & HoD-EEE

CURRENT DESIGNATION/ INVOLVEMENT Currently working as an **Incharge and HoD-EEE**, Maulana Azad National Urdu University (Central University) Polytechnic Cuttack Campus, Odisha, India.

AREA OF SPECIALIZATION

- Control Engineering
- Power Systems
- ANN

ONGOING ACADEMIC RESEARCH/PROJECTS Research work continues in extending the area of PhD work based on Performance analysis of adaptive flight control models for MAVs & efficient implantation on reconfigurable platforms

INNOVATION WITH FIELD OF STUDY AND COLLABORATIVE EFFORTS Designed a Neural Network architecture with reversible structure for MRAC Controller

NNACADEMIC AND ADMINISTRATIVE EXPERIENCE

- **17 YEARS OF ACADEMIC EXPERIENCE AND 4 YEARS OF ADMINISTRATIVE EXPERIENCE**

Administrative Experience: 04 Years

Incharge of MANUU Polytechnic Cuttack Campus

HoD-EEE of MANUU Polytechnic Cuttack Campus

Academic Coordinator of MANUU Polytechnic Cuttack Campus

Academic Experience: 17 Years

Worked as Associate Professor, Assistant Professor, Senior Lecturer, Lecturer and Guest Faculty in various reputed institutions and universities.

EDUCATIONAL QUALIFICATION

- **DOCTOR OF PHILOSOPHY (Ph.D.), 2019**
Electrical & Electronics Engineering Sciences, Visvesvaraya Technological University, Belagavi, Karnataka, India

RESEARCH PUBLICATION
DETAILS

1. Abrar Ul Haq, G. M. Sreerama Reddy, and P. Cyril Prasanna Raj, "Reconfigurable Antenna Control Unit for Accurate Positioning in Mobile Earth Station Systems", ICICI 2018, **Springer Lecture Notes on Data Engineering and Communications Technologies 26**, pp. 516-524, 2019. https://doi.org/10.1007/978-3-030-03146-6_57.
2. Abrar Ul Haq, Jayanna Kanchikere, "Proposed 200KWp Grid Connected Rooftop Solar Power Plant At Presidency University Bangalore using PV Watts India", **Journal of Applied Science and Computations (JASC)**, ISSN 1076-5131, Volume VI, Issue I, P.P. 2981-2983, Impact Factor 5.8, UGC approved Sl. No. 41238, Jan 2019. <http://www.j-asc.com/VOLUME-6-ISSUE-1-JANUARY-2019-1/>
3. Abrar Ul Haq, Jayanna Kanchikere, "Energy Performance of 30KWp Open Rack PV System with Crystalline Silicon Solar Modules", **International Journal of Research (IJR)**, ISSN 2236-6124, Volume VIII, Issue I,P.P. 1131-1137, Impact Factor 5.7, UGC approved Sl. No. 63072, Jan 2019. <http://ijrpublisher.com/CURRENT-ISSUE>
4. Abrar Ul Haq, Sreerama Reddy G. M., Cyril Prasanna Raj P., "Systolic Array Based Motion Detection Architecture using Modified Reichardt Model", **Research Journal of Engineering and Technology (RJET)**, Volume 09, Issue 03, July-September 2018, ISSN (Print):0976-2973, ISSN (Online):2321-581X.
5. Abrar Ul Haq, Sreerama Reddy G. M., Cyril Prasanna Raj P., "Mathematical Modelling and Performance Evaluation of L1 Adaptive Controller for MAV", accepted for the publication in **International Journal of Engineering and Technology (UAE) - Scopus Indexed Journal**, Date of acceptance: 11-06-2018.
6. Abrar Ul Haq, Sreerama Reddy G. M., "Efficient PID Controller Architecture for Auto Pilot based MAV Applications", **International Journal of Scientific & Engineering Research (IJSER)**, Volume 7, Issue 7, July 2016, ISSN 2229-5518.
7. Abrar Ul Haq, Dr. Sreerama Reddy G. M., "Low Power VLSI Architectures for Digital PID Controller Applications", **International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)**, Volume 5, Issue 3, March 2016, ISSN (Print):2320-3765, ISSN (Online):2278-8875
8. Abrar Ul Haq, Sreerama Reddy G. M., Cyril Prasanna Raj P., "Design, modeling and tuning of modified PID controller for autopilot in MAVs", **International Journal of Scientific & Engineering Research (IJSER)**, Volume 5, Issue 12, December-2014, ISSN 2229-5518
9. Shreya Dhawan, Riya Sinha, Shambhavi Chaturvedi, Yusuf Parvez and Abrar Ul Haq, Development and performance analysis of an automated solar-powered thermoelectric refrigeration system, **Applied Solar Energy** (Accepted/ Under Publication), 2023. (**Springer**)

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

1. Abrar Ul Haq, Sreerama Reddy G. M., Cyril Prasanna Raj P., “Reconfigurable Antenna Control Unit for Accurate Positioning in Mobile Earth Station Systems”, **International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI 2018)** organized by Confyy on 07-08, August 2018 at Coimbatore, Tamil Nadu, India.

2. Abrar Ul Haq, Sreerama Reddy G. M., Cyril Prasanna Raj P., “Mathematical Modelling and Performance Evaluation of L1 Adaptive Controller for MAV”, **International Conference on Materials, Applied Physics and Engineering (ICMAE) – 2018**, Indore, Madhya Pradesh, India during 3rd & 4th June 2018.

3. M.S. Hassan, M. Ehtesham, A. Haq, M. Jamil, “Enhanced AI Based FLC MPPT Algorithm and its comparative Analysis with P&O”, **International IEEE conference on Recent Advances in Electrical, Electronics and Digital Healthcare Technologies 2023 (REEDCON-2023)**, 1-3 May, 2023 Jamia Millia Islamia, New Delhi (Under Publication)

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

Keynote Speaker in Student Induction Programs held at MANUU Cuttack Campus in 2020, 2021 and 2022.
Keynote Speaker in Azad Day Celebrations held at MANUU Cuttack Campus in 2020, 2021 and 2022.

ACHIVEMENTS

1. Patent Publication
“Neural Network Architecture with Reversible Structure for MRAC Controller”, Application No. 201841022578, Date of filing: 16/06/2018, Publication Date: 20/12/2019.

DETAILS OF SUPERVISION
(M.PHIL/M.TECH/P.HD.)

Nil

PROFESSIONAL
MEMBERSHIPS

- **MEMBER OF THE INSTITUTION OF ENGINEERS (MIE)**
- **Member of The Indian Society for Technical Education (MISTE)**
- **Chartered Engineer (C Eng.)**

PERSONAL DETAILS

Father's Name : Sardar Pasha
Date of Birth : 20-07-1976
Gender : Male
Marital Status : Married
Nationality : Indian
Language : Urdu, English, Kannada
Known
Etc..

Date: 07-06-2023

Place: Cuttack, Odisha

(Dr. Abrar Ul Haq)

[Last update on: 07th June 2023]