




JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Electronics and Communication Engineering.



FACULTY PROFILE

1. Personal Details

NAME	DR. KAZI JABED AKRAM	
DEPARTMENT	ELECTRONICS AND COMMUNICATION ENGINEERING	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	9474811027	
EMAIL ID	kazi.akram@jssaten.ac.in	
Date of Joining (JSSATEN)	22/05/2024	

2. Experience

Total Experience in Years:- 9.5	Teaching:- 0.5	Industry:-0	Research:- 9
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Tech.	Instrumentation and Control Engineering	2011	Haldia Institute of Technology, Haldia, WB, India	West Bengal University of Technology (WBUT), Kolkata, India
M.Tech.	Applied Electronics and Instrumentation Engineering	2013	Heritage Institute of Technology, Kolkata, WB, India	West Bengal University of Technology (WBUT), Kolkata, India
Ph.D.	Electrical Engineering (Sensor & Instrumentation)	July 2020	Jamia Millia Islamia, New Delhi, India	Jamia Millia Islamia, New Delhi
Post Doc.	Sensor, Measurement & Instrumentation	March 2021 to August 2023	IIT Madras, Chennai, India	IIT Madras, Chennai, India
Visiting Post Doc.	Electrical Impedance Tomography for Biomedical Application	September 2023 to February 2024	RWTH Aachen University, Aachen, Germany	RWTH Aachen University, Aachen, Germany

4. Research & Publications

Papers Published in SCI and SCI(E) Indexed Journals	International: 06	National: 00
Papers Published in SCOPUS indexed Journals	International: 00	National: 00
Papers Published in other Journals	International: 00	National: 00
Papers Presented in Conferences / Symposium	International: 08	National: 01
Books / Book chapters Published	1. T. Islam, K. J. Akram, “Printable flexible sensors for hydration monitoring and moisture measurement in concrete structures”, In <i>Systems for Printed Flexible Sensors</i> , pp: 3-1-3-28, Published by IOP Publishing, 2022, doi:10.1088/978- 0-7503-3935-3ch3.	

5. Research Guidance

PhD Guide? Give field & University	NO	-
PhDs / Projects Guided	-	-

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration in Years	Grant issuing authority/ Body / Organization
-	-	-	-	-

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	B. George, Saikumar. V, and K. J. Akram, “Capacitive sensor-based device”, <i>Indian patent.</i> patent application no. 202341009362 A, 2023	Granted
2	G.R Biswal, T. Islam S. D Das and K. J Akram, “Ultrasonic sensor-based gas density monitoring of sf6 gas insulated switchgear”, <i>Indian patent.</i> patent application no. 202111011524 A, 2021	Granted
3	B. George, and K. J. Akram,, “A Non-Contact Inductive Temperature Sensing System for Static/Moving Conductive Target and Method	Filed

	Thereof”, <i>Indian patent</i> . patent application no. 202341053777 A, 2023	
4	S. A Haque, K. J Akram, Y. Abdoune , “In situ gel formation of rust remover”, <i>Indian patent</i> . patent application no. 201911009899 A, 2019	Filed
5	K. J Akram, S. A Haque , “Three in one: rust remover-rust protector-paint primer”, <i>Indian patent</i> . patent application no. 201811046323 A	Filed

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

7. Awards Received

“Best Paper Award”	<ul style="list-style-type: none"> Received Best Paper Award for “simple minimally invasive technique for the hydration monitoring of cement-based concrete sample”, In <i>2nd National Conference on Recent Developments in Electronics</i> (NCRDE 2017). Delhi University, New Delhi, India.
“Student and Young Professional Award”	<ul style="list-style-type: none"> Received travel grant of 1500 \$ from IEEE Industrial Electronics Society at <i>32nd International Symposium on Industrial Electronics 2023</i> in Helsinki, Finland.
“Advance Research Opportunity Program scholarship”	<ul style="list-style-type: none"> Received scholarship from RWTH Aachen University, Aachen, Germany to conduct post-doctoral research for 6 months in Electrical Impedance Tomography.
“Institute Post Doctoral Fellowship”	<ul style="list-style-type: none"> Recipient of <i>Institute Post Doctoral Fellowship</i> from IIT Madras, Chennai, India. March 2021 to August 2024.

8. Publications

i. International Journals

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Journal	Vol.No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Non-contact Inductive Temperature Sensing Scheme Suitable for Fixed and Moving	K. J. Akram and B. George	<i>IEEE Transactions on Instrumentation and Measurement</i>	73, 2024	Both	5.6	IEEE

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	A Simple Capacitive Sensor for Stress Measurement in Concrete	U. Gazi, K. J. Akram, and T. Islam	3rd International conference on emerging electronics and automation, NIT Silchar, Silchar, India	2023	-	-	-
2	Electrical Impedance Mapping for Precision Pedestrian Navigation	S. Sharma, K. J. Akram, and B. George	23rd International Conference on Biomedical Applications of Electrical Tomography. RWTH Aachen University, Aachen, Germany	2023	-	-	RWTH Aachen University
3	Capacitive Sensor-based Smart Water Tap: A feasibility study	Saikumar. V, K. J. Akram, and B. George	32nd International Symposium on Industrial Electronics (IEEE ISIE). Alto University, Helsinki, Finland	2023	Both	-	IEEE Xplore
4	A High Precision Cost-effective Ultrasonic Sensor for Detection of Gas Leakage in Gas-Insulated Switchgear	S. D. Das, K. J. Akram, G.R. Biswal, and T. Islam	IEEE International Conference on Sustainable Energy and Future Electric Transportation, (SEFET). Hyderabad, India	2021	Both	-	IEEE Xplore
5	Cross-Conductive Sensor	U. Singh, K. J. Akram, T. Islam, G.R. Biswal, and P. K. Parida	IEEE Second International Conference on Control,	2021	-	-	IEEE Xplore

	for Humidity Measurement in Gas for Gas Insulated Switchgears Application		<i>Measurement and Instrumentation (CMI).</i> University of Calcutta, Kolkata, India				
6	Structural health monitoring using impedance sensor	K. J. Akram , T. Islam, Z. H. Zargar and A. Ahmed	<i>International Conference on Power Electronics, Control and Automation.</i> Jami Millia Islamia, New Delhi, India	2019	Both	-	IEEE Xplore
7	Design and Development of a Non-Contact Cross Capacitive Micro Droplet Detector	Z. H. Zargar, T. Islam, and K. J. Akram ,	<i>EEE Sensors 2018.</i> New Delhi, India	2018	Both	-	IEEE Xplore
8	A simple minimally invasive technique for the hydration monitoring of cement-based concrete sample	K. J. Akram , A. Ahmed, and T. Islam	<i>2nd National Conference on Recent Developments in Electronics.</i> Delhi University, New Delhi, India	2017	-	-	-
9	A simple non-invasive technique for structural health monitoring	K. J. Akram , T. Islam, and A. Ahmed,	<i>Annual IEEE India Conference.</i> Jami Millia Islamia, New Delhi, India	2015	Both	-	IEEE Xplore

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	GIAN Course on “Smart Sensor and Internet of Things (IOTs)”	Jamia Millia Islamia, New Delhi	March 21- 31, 2016
2	Workshop on “Introduction to Lab-View”	NSIT, Delhi	March 2015
3	Short-term course on “Data Analysis for Instrumentation System”	IIT KGP, India	Feb 15-21, 2019
4	National Seminar on “Seismic Hazards & Mitigation of Structures”	Jamia Millia Islamia, New Delhi	Nov 20-21, 2017

5	Workshop on “Fractional Order System”	IIT KGP, India	Feb 16-20, 2018
6	Workshop on “Flexible Electronics Technology”	CSIR-CEERI, Pilani, India	March 23, 2018

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	National Conference ETEEE-2015	Jamia Millia Islamia, New Delhi	04/02/2015 to 05/02/2015	Organizing Committee Member
2	IEEE International Conference Indicon-2015	Jamia Millia Islamia, New Delhi	December 17-19, 2015	Volunteer
3	GIAN Course on “Smart Sensor and Internet of Things (IOTs)”	Jamia Millia Islamia, New Delhi	21/03/2016-31/03/2016	Organizing Committee Member

vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	AICTE Sponsored Short-term course on “Data Analysis for Instrumentation System”	IIT KGP, India	Feb 15-21, 2019

9. Details of NPTEL / COURSERA/Other courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
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10. Membership of Professional Bodies:

1. IEEE Member (Membership No.: 95774394).
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11. Any other information you will like to share about your professional experience

- Active reviewer of IEEE Transactions on Instrumentation and Measurement, IEEE Sensors Journal, IEEE Transactions on Industrial Electronics.
- Session chair at IEEE ISIE 2023, Alto University, Helsinki, Finland.
- Expert talk on “Electromagnetic Acoustic Transducer: A new sensing Technology” at ABES Engineering College, Ghaziabad, India.