



## FACULTY FULL NAME Dr Mohammed Imran Basheer Ahmed

POSITION Assistant Professor

### Personal Data

Nationality | Indian

Date of Birth | 16<sup>th</sup> April 1978

Department | Computer Engineering

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### Language Proficiency

Language	Read	Write	Speak
Arabic	Basic	Basic	Basic
English	Fluent	Fluent	Fluent
Others			

### Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
12/5/2012	Ph.D (CE)	New Delhi, India	Jamia Millia Islamia – New Delhi - 25
30/6/2005	M.Engg (CSE)	Chennai, India	Sathyabama University, Chennai-108
30/6/2000	B.Engg (ECE)	Madurai, India	Madurai University, Madurai

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	
Master	
Fellowship	

### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Professor	CE dept, CCSIT, IAU Dammam	22/03/2021 – till date
Assistant Professor	CS dept, CCSIT, IAU Dammam	18/11/2013 – 21/03/2021
Professor & Chair	ECE Dept, ICET, Muvattupuzha Kerala, India	27/5/2012 – 30/9/2013
Assistant Professor	CSE Dept, CAHCET TN, India	1/7/2006 – 30/5/2008



### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Professor & Chair	ECE Dept, ICET, Muvattupuzha, Kerala, India	27/5/2012 – 30/9/2013

### Scientific Achievements

#### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1.	<b>Mohammed Imran Basheer Ahmed</b> , Rim Zaghdoud, Mohammed Salih Ahmed, Razan Sendi, Sarah Alsharif, Jomana Alabdulkarim, Bashayr Adnan Albin Saad, Reema Alsabt, Atta Rahman, Gomathi Krishnasamy	A Real-Time Computer Vision Based Approach to Detection and Classification of Traffic Incidents	Big Data and Cognitive Computing Vol 7(1), (2023). <a href="#">Q1 Journal - WOS Indexed</a>
2.	Sunday O. Olatunji, Aisha Alansari, Heba Alkhorasani, Meelaf Alsubaii, Rasha Sakloua, Reem Alzahrani, Yasmeen Alsaleem, Mona Almutairi, Nada Alhamad, Albandari Alyami, Zainab Alshobbar, Reem Alassaf, Mehwash Farooqui, <b>Mohammed Imran Basheer Ahmed</b> , Jamal	Preemptive Diagnosis of Alzheimer’s Disease in the Eastern Province of Saudi Arabia Using Computational Intelligence Techniques	Computational Intelligence and Neuroscience, Vol: 22, Hindawi (2022) <a href="#">Q1 Journal - WOS Indexed</a>
3.	Sunday O. Olatunji, Aisha Alansari, Heba Alkhorasani, Meelaf Alsubaii, Rasha Sakloua, Reem Alzahrani, Yasmeen Alsaleem, Mona Almutairi, Nada Alhamad, Albandari Alyami, Zainab Alshobbar, Reem Alassaf, Mehwash Farooqui, and <b>Mohammed Imran Basheer Ahmed</b>	A Novel Ensemble-Based Technique for the Preemptive Diagnosis of Rheumatoid Arthritis Disease in the Eastern Province of Saudi Arabia Using Clinical Data	Computational and Mathematical Methods in Medicine, Hindawi (2022) Vol: 22, <a href="#">Q1 Journal - WOS Indexed</a>
4.	<b>Mohammed Imran Basheer Ahmed</b> , Shamsah Alotaibi, Sujata Dash, Majed Nabil, AlTurki, Abdullah Omar	A Review on Machine Learning Approaches in Identification of Pediatric Epilepsy,	Springer Nature, Computer Science, Pg 1 – 15, 3 (6) (2022) <a href="#">Q2 Journal – SCOPUS Indexed</a>
5.	Atta-ur-Rahman, Munir Ahmed, Gohar Zaman, Tahir Iqbal, Muhammed Aftab Alam Khan, Mehwash Farooqui, <b>Mohammed Imran Basheer Ahmed</b> , Mohammed Salih Ahmed, Majd Nabeel and Abdullah Omar	“Geo-Spatial Disease Clustering for Public Health Decision Making	Informatica, August 2022. DOI: 10.31449/inf.v46i6.3827



6.	Atta-ur Rahman, Dhiaa Musleh, Majed Nabil, Haya Alubaidan, Mohammed Gollapalli, Gomathi Krishnasamy, Dakheel Almoqbil, Mohammad Aftab Alam Khan, Mehwash Farooqui, <b>Mohammed Imran Basheer Ahmed</b> , Mohammed Salih Ahmed, Maqsood Mahmud	Assessment of Information Extraction Techniques, Models and Systems	Mathematical Modelling of Engineering Problems (MMEP), July 2022, <a href="https://doi.org/10.18280/mmep.090315">https://doi.org/10.18280/mmep.090315</a> <b>Q2 Journal – SCOPUS Indexed</b>
7.	M Gollapalli, Atta Rahman, Musleh Dhiaa, Nehad Ibrahim, M.A Khan, Sagheer Abbas, Ayesha Atta, M.A. Khan, Mehwash Farooqui, Tahir Iqbal, M.S. Ahmed, <b>Mohammed Imran Basheer Ahmed</b> , Dakheel Almoqbil, Majd Nabil, Abdullah Omer	A Neuro-Fuzzy Approach to Road Traffic Congestion Prediction	CMC-Computers, Materials & Continua, 73 (1), 295 – 310, May 2022 <a href="https://doi.org/10.32604/cmc.2022.027925">https:// DOI: 10.32604/cmc.2022.027925</a> <b>Q1 Journal - WOS Indexed</b>
8.	Atta-ur Rahman, Maqsood Mahmud, Tahir Iqbal, Linah Saraireh, Hisham Kholidy, Mohammed Gollapalli, Dhiaa Musleh, Fahd Alhaidari, Dakheel Almoqbil, <b>Mohammed Imran Basheer Ahmed</b>	Network Anomaly Detection in 5G Networks	Mathematical Modelling of Engineering Problems Vol. 9, No. 2, April, 2022, pp. 805-812, <b>Q2 Journal - Scopus Indexed</b>
9.	<b>Mohammed Imran Basheer Ahmed</b> , Atta-ur Rahman, Mehwash Farooqui, Fatimah Alamoudi, Raghad Baageel, Amjad Alqarni	Early Identification of COVID-19 Using Dynamic Fuzzy Rule Based System	Mathematical Modelling of Engineering Problems - Vol. 8, No. 5, October 2021, pp. 805-812 <a href="https://doi.org/10.18280/mmep.080517">https://doi.org/10.18280/mmep.080517</a> <b>Q2 Journal – SCOPUS Indexed</b>
10.	Sunday O. Olatunji, Sarah Alotaibi, Ebtisam Almutairi, Zainab Arabae, Yasmeen Almajid, Rahaf Altabee, Mona Altassan, <b>Mohammed Imran Basheer Ahmed</b> , Mehwash Farooqui, Jamal Alhiyafi	Early diagnosis of thyroid cancer diseases using computational intelligence techniques: A case study of a Saudi Arabian dataset	Computers in Biology and Medicine - Volume 131, April 2021, 104267 <a href="https://doi.org/10.1016/j.compbiomed.2021.104267">https://doi.org/10.1016/j.compbiomed.2021.104267</a> <b>Q1 Journal - WOS Indexed</b>
11.	Shamsah Majed Alotaibi, Atta ur Rahman, <b>Mohammed Imran Basheer Ahmed</b> , Mohammad Adnan	Ensemble Machine Learning based Identification of Pediatric Epilepsy	CMC-Computers, Materials & Continua, 68 (1), 149 – 168, March 2021 <a href="https://doi.org/10.32604/cmc.2021.015976">https://doi:10.32604/cmc.2021.015976</a> <b>Q1 Journal - WOS Indexed</b>
12.	Fahd A. Alhaidari, Saleh A. Al-Dossary, Ilyas A. Salih, Abdlrhman M. Salem, Ahmed S. Bokir, Mahmoud O. Fares, <b>Mohammed Imran Basheer Ahmed</b> , Mohammed Salih Ahmed	Automatic Channel Detection Using DNN on 2D Seismic Data	Journal of Computer Systems Science and Engineering, Vol (36), Issue 1, Pages 57 – 67, Publisher CSSE, January 2021 <a href="https://doi.org/10.32604/csse.2021.013843">doi:10.32604/csse.2021.013843</a> <b>Q3 Journal - WOS Indexed</b>



13.	Farmanullah Jan, <b>Mohammed Imran Basheer Ahmed</b> & Nasro Min-Allah	Databases for Iris Biometric Systems: A Survey	<b>Springer Nature</b> , Computer Science volume 1, Article number: 324, <b>2020</b> <a href="#">Journal NOT INDEXED YET</a>
14.	Atta ur Rahman, <b>Mohammed Imran</b>	A CDSS Assisted Telemedicine Framework	Telemedicine Technologies - Big Data, Deep Learning, Robotics, Mobile and Remote Applications for Global Healthcare, Elsevier, June <b>2019</b> <a href="https://doi.org/10.1016/B978-0-12-816948-3.00015-5">https://doi.org/10.1016/B978-0-12-816948-3.00015-5</a> <b>Book chapter - SCOPUS INDEXED</b>
15.	<b>Mohammed Imran</b> , Sarah A. Alsuhaibani	Intelligent Data Analysis for Biomedical Applications / A Neuro - Fuzzy Inference Model for Diabetic Retinopathy Classification	Intelligent Data Analysis for Biomedical Applications, Elsevier, March <b>2019</b> <a href="https://doi.org/10.1016/B978-0-12-815553-0.00007-0">https://doi.org/10.1016/B978-0-12-815553-0.00007-0</a> <b>Book chapter - SCOPUS INDEXED</b>
16.	Arwa AlKhunine, B.Mohammed Imran	Improving Public Safety in Everyday's Life Using Mobile Computing Applications	International Journal of Computer Engineering and Recent Trends (IJCERT) 2017
17.	Mohammed Imran Basheer Ahmed,, Alhanouf M. Al-Abdullatif, Bushra S. Al-Awwad, Mzoon M. Alwalmani, Sarah A. Al-Suhaibani, and Shahad A. Al-Sayah	Towards Early Detection of Diabetic Retinopathy Using Extended Fuzzy Logic	International Journal of Pharma Medicine and Biological Sciences, April 2016
18.			

#### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

#### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Sunday O. Olatunji, Aisha Alansari, Heba Alkhorasani, Meelaf Alsubaii, Rasha Sakloua, Reem Alzahrani, Yasmeen Alsaleem, Reem Alassaf, Mehwash Farooqui, <b>Mohammed Imran Basheer Ahmed</b>	Machine Learning Based Preemptive Diagnosis of Lung Cancer Using Clinical Data	7th International Conference on Data Science, Riyadh, Saudi Arabia, held 1 <sup>st</sup> March 2022  DOI: 10.1109/CDMA54072.2022.00024  Conference - SCOPUS INDEXED



2	Reem Abdulaziz Alassaf, Khawla A. Alsulaim Noura Y. Alroomi Nouf S. Alsharif Mishael F. Aljubeir Sunday Olusanya Olatunji, Alaa Alahmadi, <b>Mohammed Imran</b> , Rahma Ahmed Alzahrani, Nora Alturayeif	Preemptive Diagnosis of Chronic Kidney Disease Using Machine Learning Techniques	International Conference on Innovations in Information Technology (IIT), 2018
3	Reem Abdulaziz Alassaf, Khawla A. Alsulaim Noura Y. Alroomi Nouf S. Alsharif Mishael F. Aljubeir Sunday Olusanya Olatunji, Alaa Alahmadi, <b>Mohammed Imran</b> , Rahma Ahmed Alzahrani, Nora Alturayeif	Preemptive Diagnosis of Diabetes Mellitus Using Machine Learning	21st Saudi Computer Society National Computer Conference (NCC), 2018
4	B.M.Imran, M.M.Sufyan Beg	Elements of Sketching with Words	International Conference on Granular Computing Aug. 14, 2010 to Aug. 16, 2010, California, USA.
5	T.M.Benazir, B.M.Imran	Removal of High and Low Density Impulse Noise from Digital Images Using Non- Linear Filter	International Conference on Signal Processing, Image Processing and Pattern Recognition (ICSIPR 2013), on 7 & 8 Feb 2013, Coimbatore, INDIA
6	Nadiya.P.V, B.M.Imran	Image Steganography in DWT Domain using Double- stegging with RSA Encryption	International Conference on Signal Processing, Image Processing and Pattern Recognition (ICSIPR 2013), on 7 & 8 Feb 2013, Coimbatore, INDIA
7	Najeena K.S, B.M.Imran	An Efficient Steganographic Technique Based on Chaotic Maps and Adaptive PPM Embedding	International Conference on Signal Processing, Image Processing and Pattern Recognition (ICSIPR 2013), on 7 & 8 Feb 2013, Coimbatore, INDIA
8	B.M.Imran, M.M.Sufyan Beg	Fuzzy Identification of Geometric Shapes	International Conference on Computer Science and Information Technology, ICCSIT, 2nd-4th Jan 2012
9	B.M.Imran, M.M.Sufyan Beg	Towards Perception based Image Retrieval	International Conference on Computer Science and Information Technology, ICCSIT, 2nd-4th Jan 2012
10	B.M.Imran, M.M.Sufyan Beg	Estimation of f-Similarity in f-Triangles using FIS	International Conference on Computer Science and



			Information Technology, ICCSIT, 2nd-4th Jan 2012
11	B.M.Imran, M.M.Sufyan Beg	Towards Computational Forensics with f-geometry	World Conference on Soft Computing, WCoSC 2011, California, USA. Feb 22-24, 2011
12	B.Garg, M.M.Sufyan Beg, A. Q. Ansari, B.M.Imran	Inferential Historical Survey of Time Series Prediction using Artificial Neural Network	International Conference on Data Management, Ghaziabad, March 11-12, 2010, INDIA.
13	B.Garg, M.M.Sufyan Beg, A.Q. Ansari, B.M.Imran	Soft Computing Model to Predict Average Length of Stay of Patient,	International Conference on Information Systems, Technology and Management, ICISTM, March 10-12, 2011, MDI, Gurgaon, INDIA.
14	B.Garg, M.M. Sufyan Beg, A.Q. Ansari, B.M.Imran	Fuzzy Time Series Prediction Model	International Conference on Information Systems, Technology and Management, ICISTM, March 10-12, 2011, MDI, Gurgaon, INDIA.
15	B.M.Imran, S.J.Wagh	University-Industry Collaboration	International Conference on Technology, Education and Development INTED'2009, Pg: 4050-4054, Valencia, SPAIN.

#### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date

#### Current Researches

#	Research Title	Name of Investigator(s)
1		

#### Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution

#### Membership of Scientific and Professional Societies and Organizations



- International Association of Engineers, Hong Kong
- International Association of Computer Science and Information Technology, Singapore
- International Association of Hydrological Sciences (IAHS), UK
- Computer Science Teachers Association (CSTA), USA.

## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Electronics	CS 222	42 + 16
2	Mobile Computing	CS 513	42
3	Introduction to Computing	CS 211	32 + 16
4	Project Proposal	CS 511	32
5	Project Implementation	CS 521	32
6	Digital Hardware	CS 314	52
7	Physics	PHYS 212	42

### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Early Detection of Diabetic Retinopathy Using Extended Fuzzy Logic – CS 511, CS 521
2	Smart Campus CS 511, CS 521
3	Memory Shadow - Alzheimer patient tracking system CS 511, CS 521

### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Project	ME 426	32

### Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	Project, ME 426, Final year project for the master students
2	

### Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	Electronics CS 222	✓	✓	✓		1/2015	Till date
2	Mobile Computing CS 513	✓	✓	✓		1/2014	5/2018
3	Introduction to Computing CS 211	--	✓	✓		9/2016	12/2016
4	Project Proposal CS 511	✓	✓	✓		8/2015	Till date



5	Project Implementation CS 521	✓	✓	✓		1/2016	Till date
6	Physics	--	✓	✓		8/2018	Till date
7	Project Proposal ARTI 511	✓	✓	✓		8/2021	Till date
8	Project Implementation ARTI 521	✓	✓	✓		1/2022	Till date
9	Digital Hardware	--	✓	✓		9/2016	12/2016

#### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

#### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Level 7	12	8/2015	Till date

#### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	M.S (CS)	Applying Data Mining Classification Techniques and Ensemble Learning To Identify Epileptic Pediatric	CCSIT, IAU	2018-19
2	M.Engg (Applied Electronics)	An Efficient secret key based on Stegenographic algorithm using Chaotic Map and APPM Embedding (2012)	Ilahia College of Engineering & Technology, Muvattupuzha, Kerala, India	2012-13
3	M.Engg (Applied Electronics)	Removal of High and Low Density Impulse noise from Digital Images using Non-linear filter (2012).	Ilahia College of Engineering & Technology, Muvattupuzha, Kerala, India	2012-13
4	M.Engg (Applied Electronics)	Image Stegenography in DWT domain using Double Stegging with RSA encryption (2012).	Ilahia College of Engineering & Technology, Muvattupuzha, Kerala, India	2012-13

#### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
1	Under graduate	Memory shadow - Alzheimer tracking system	CCSIT, IAU	2019-20





Administrative Responsibilities, Committee and Community Service  
(Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	March 2016	November 2016	ABET Committee member	Computer Science Dept, CCSIT, IAU
2	May 2012	September 2013	Chair of the department	ICET, Muvattupuzha, Kerala, India
3	March 2016	June 2022	GPU	CS, CE Dept, CCSIT, IAU
4	December 2022	Till date	GPU	Computer Engineering Dept, CCSIT, IAU
5	August 2018	July 2019	CS- PQU committee	Computer Science Dept, CCSIT, IAU
6	August 2020	Till date	AI- Curriculum committee	Computer Engineering Dept, CCSIT, IAU
7	August 2021	Till date	AI- PQU committee	Computer Engineering Dept, CCSIT, IAU

Committee Membership

#	From	To	Position	Organization
1	May 2012	September 2013	Disciplinary committee head	Ilahia College of Engineering & Technology, Muvattupuzha, Kerala, India

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	
2	

Last Update

...20/11/2022