




ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada)

Accredited by NAAC & An ISO 9001:2015 Certified Institution

ITI Road, ALC Campus, VIJAYAWADA - 520 008 :: Website : www.aliet.ac.in :: Ph : 0866 - 2476161

FACULTY PROFILE

| | | | |
|---|---|--|---|
| Name of the Faculty | MOHAMMAD BAIG MOHAMMAD | |  |
| Designation | Assistant Professor | | |
| Department | ELECTRONICS AND COMMUNICATION ENGINEERING | Date of Birth 10/05/1977 | |
| Date of Joining the Institution | 1.7.2017 | Native place Vijayawada, AP, India | |
| Academic Qualification with Class/Grade | <ul style="list-style-type: none"> • PG : M. Tech (DSCE) First Class with Distinction from JNTUHCE • UG : B.Tech (ECE) First Class from OU. | | |
| Professional Qualification | | | |
| Employee ID | ALIET-17-07 | | |
| E-mail / Mobile | mohammadbaig33@gmail.com +91 9493632971 | | |
| Total Experience in Years | Teaching: 20 | Industry 00 | Research : 00 |
| Papers Published in Journals - | 15 | | |
| Faculty Development Programmes attended: | Guest Lectures Delivered: 01 | | |
| Papers presented in Conferences/ attended | National: - | International: 02 / Workshops: 00 | |
| Are u a PhD Guide? If Yes, Give field & University | Field: --- | No | |
| PhDs / Projects Guided | PhDs : 00 MPhil -00 | Projects at PG Level : 03 | |
| | | Projects at UG Level: 30 | |
| Books Published/IPRs/Patents | NIL | | |
| Professional Memberships | LMISTE, IAENG | | |

| | |
|--|---|
| Editorial Board Membership | - |
| Board of Studies Member: | - |
| Foreign Projects | - |
| National Project | - |
| Grants fetched | - |
| Awards - 00 | - |
| Conferences/ Seminars / Workshops / FDP Organised @ ALIET | <ul style="list-style-type: none"> • Conducted a 7 day workshop on Introduction to MATLAB from 10.6.2020 to 16.6.2020 through online mode • Convener for national conference on Communication, Electronics, Instrumentation, and Computers-2019 held at ALIET on 15.3.2019. • Organized a workshop and acted as key speaker on Introduction to MATLAB at Andhra Loyola Institute of Engineering and Technology from 29th January to 1st February 2018 for II ECE students • Organized a workshop and acted as key speaker on Introduction to MATLAB at Andhra Loyola Institute of Engineering and Technology from 17th to 18th November 2017 for M.Sc. Students of SRR degree college Vijayawada • Organized a workshop and acted as key speaker on Introduction MATLAB at Andhra Loyola Institute of Engineering and Technology from 15th to 16th November for under graduate Students of Maris Stella degree college Vijayawada. • Organized a workshop and acted as key speaker on Introduction MATLAB at Andhra Loyola Institute of Engineering and Technology from 13th and 14th November for under graduate Students of Andhra Loyola college Vijayawada • Delivered a talk on Sensors and their application during a three day workshop on “ Role of transducers & Programmable devices in IoT Applications”, held at Andhra Loyola Institute of Engineering and Technology on 13-12-2017 |
| Any Other Achievements | - |
| Other Responsibilities | Department Library In-charge |
| Whether Ratified by University (Yes/No) | YES |
| Faculty Development Programmes attended: 2019-20 | |
| <ul style="list-style-type: none"> • Completed a E learning program on Machine Learning on 26.4.2020 by TATA STEEL • Attended 20 hour Workshop on Data Science Foundation using R conducted by 360digitmg on April 22, 2020 • Completed an FDP on Digital Image Processing using MATLAB by skilltohire from 24.4.20 to 27.4.2020 • Completed a course on MATLAB ON RAMP by MathWorks on 29.3.2020 • Completed a course on Deep Learning On RAMP by MathWorks on 29.3.2020 | |

- Completed a course on Machine Learning On RAMP by MathWorks on 31.3.2020
- participated in the Scilab training organized at Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology in January 2020 semester
- Participated in a 5 Day Faculty Development Programme on SCILAB from 29.04.2020 to 03.05.2020 organized by Department of ECE, PSCMRCET in association with Spoken Tutorial, IIT Bombay-PMMMNMTT and secured A+ grade.
- Has Participated in 3 day FDP from 30th April to 2nd May 2020 conducted by university of Mumbai in association with North storm Academy on Online content creation tools
- Participated in “A Webinar on Virtual Classroom Management using Microsoft Teams”, an online training program offered remotely on 11/05/2020.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 04-05-2020 to 08-05-2020 at MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD.
- Attended "A Webinar on Artificial Intelligence & Machine Learning-Challenges, Opportunities and Emerging Applications" organized by the Department of Electronics and Computer Engineering, K L University held on 30th April 2020.
- attending "A 4-Day Online FDP on Data Science and Machine Learning using Python" organized by the Department of Electronics and Computer Engineering, K L University held on 20th-23th April 2020.
- "A Webinar on Machine Learning Techniques for detection and classification" organized by the Department of Electronics and Computer Engineering, K L University held on 25th April 2020.
- Attended "A Webinar on Examination reforms to complement OBE requirements" organized by the Department of Electronics and Computer Engineering, K L University held on 24th April 2020.
- Has participated in One Week Faculty Development Program on Online Teaching Etiquette and Best Practices from 10-05-2020 to 15-05-2020, Organized by Santhiram Engineering College, Nandyal in collaboration with Talentio Solutions India Pvt. Ltd., Hyderabad.
- successfully completed "NAAC Awareness Programme for Faculty" organized by Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune - 47 conducted online during the period 08/05/2020 to 14/05/2020.
- participated in live webinar on “Deep learning for Computer Vision” held on 23 May 2020 by St. Joseph’s College of Engineering, Department of ICE
- Participated in the Online AICTE Recognized Faculty Development Programme on Neural Network and CNN from 11/05/2020 to 15/05/2020 (One Week) Organized by Curriculum Development Centre Department NITTTR, Chandigarh.
- participated in the One day webinar on "Enhancing Research Effectiveness using Scopus, Sciencedirect and Mendeley" for the Faculty of Universities/Colleges/Institutes on 01.05.2020. conducted by FACULTY DEVELOPMENT CENTRE KURUKSHETRA UNIVERSITY, KURUKSHETRA IN COLLABORATION WITH ELSEVIER
- for attending 5-day national level online faculty development program on “Artificial Intelligence” organized by Department of CSE, in collaboration with Brain O Vision and National Youth Council of India, from 22-05-2020 to 26-05-2020
- Has Participated in 3 day FDP on Descriptive Statistics through R programming conducted by KPRIET from 26.5.2020 to 28.5.2020
- participated in one week online Faculty Development Programme on “Effective Online Teaching Methods” from June 8 - 14, 2020 organised by the Department of Civil Engineering, Dr.N.G.P IT, Coimbatore.
- has participated in the webinar on “Problem Solving Using Python” Presented by Dr. A Janani, Associate Professor, IT Department, Loyola ICAM College of Engineering & Technology on 17th June 2020, Organized by Department of ECE, Sri Venkateswara College of Engineering and Technology (Autonomous), Chittoor, Andhra Pradesh.
- participated in one week online Faculty Development Program (FDP) on “Deep Learning & it’s Applications” organized by Department of Electronics & Communication Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna District from 15.06.2020 to 20.06.2020.
- Participated in the Online AICTE Recognized Faculty Development Programme on Data Analytics using Python from 18/05/2020 to 22/05/2020 (One Week) Organized by Computer Science and Engineering Department NITTTR, Chandigarh

- Participated in the Online AICTE Recognized Faculty Development Programme on Evaluation & Setting of Question Papers from 25/05/2020 to 29/05/2020 (One Week) Organized by Education and Educational Management Department NITTTR, Chandigarh
- Has successfully completed 60 Contact Hours Faculty Development Program on AI and Deep Learning held from 1st July 2020 to 28th July 2020 conducted by APSSDC Andhra Pradesh

Post-Doctoral Publication / Seminars/Workshops/Guest Lectures: Nil

List of Publications in Journals

- **Md. Baig Mohammad** ; Lakshmi Narayana Thalluri ; Renuka Devireddy ; Priyanka Ch. ; Rajiya Sulthana, “**An Image Processing Approach for Grading of Mangoes based on Maturity**”, 2020 International Conference on Computational Performance Evaluation (ComPE) North-Eastern Hill University, Shillong, Meghalaya, India. Jul 2-4, 2020.
 - **Md. Baig Mohammad**, Eswar Prasad Reddy Venna, Chris Peter Pallepogu, Madhu Babu Redapongala, ”Predictive Modelling of Air Pollution using Machine Learning Models and Neural Networks”, International journal of scientific & technology research volume 9, issue 06, june 2020.
 - Mohammad Fareeda Madeen Gouher , **Md. Baig Mohammad** “A Deep De-noising Neural Network to mitigate noise in Computed Tomography Images”, International Journal of Advance Research and Innovation, ISSN 2347 – 3258, Volume 8 Issue 2 (2020) pp-168-171.
 - S. Mallikharjuna Rao, **Md. Baig Mohammad**, Abdul Azeem “**Design a Frequency reconfigurable Microstrip Patch Antenna for Satellite Communication**”, Internal National Journal of recent technology and engineering (IJRTE), Vol 8, issue 4, Nov 2019, doi: 10.35940/ijrte.d7022.118419 (Scopus Indexed)
 - **Md. Baig Mohammad**, V. Narendra, M.Veera Brahmam, K.Aravind” Automatic Cruise Guidance and Control System for Detection and Identification of Indian Road Signs using Artificial Neural Network”, International journal of research in electronics and computer engineering, ISSN: 2348-2281, Vol 7, Issue- 1,pp-1443-1446, Mar-2019.
 - **Md. Baig Mohammad**, Md. Fareeda Madeen Gouher, P.V.N.D.S Meghana” SEGMENTATION OF INDIAN ROAD SIGNS USING MATLAB”, International journal of research in electronics and computer engineering, ISSN: 2348-2281, Vol 7, Issue-1,pp-1460-1462, Mar-2019.
- Md. Baig Mohammad**, Kolusu naga venakta bhargavi, Naragani Navya sree, Kancarla prasanna kumara,” Automated Identification and Rejection of Defective Ceramic tile using a Machine learning Approach”, International journal of research in electronics and computer engineering, ISSN: 2348-2281, Vol 7, Issue- 1,pp-1451-1455, Mar-2019.
- R.D. Bhavani, **Md. Baig Mohammad** “A Robust Segmentation of cells & Nano Particles with respect to histopathology images”, International Journal of Engineering Science and advanced Technology, ISSN 2250-3676, Vol-8, Issue 2, pp 309-319, April-2018.
 - **Md. Baig Mohammad**, G. Naga Sai Durga Prasad, M. Ravindra babu, P. Dileep Kumar “A Reversible image transformation frame work for data hiding in encrypted images”, International Journal for research trends and Innovation , ISSN 2456-3315, Vol 3, Issue 4, April-2018.
 - S. Priscilla, K. Jaya Sri, H. Sandhya, **Md. Baig Mohammad**, ”A Machine Learning Approach to estimate severity of Diabetic Retinopathy”, International Journal for research and development in Technology, ISSN 249-3585 Vol 3, Issue 4, April 2018.
 - S. Jagan Mohan Rao, T. Rambabu, **Md. Baig Mohammad**, “Performance Comparison of Phase-compensated Constant Modulus Algorithm to CMA in Wireless Communication”, Journal of Innovation in Electronics and Communication Engineering, ISSN: 2455-3514, Vol.5, Issue:1, June ,2017, pp.15-19.
 - **Md. Baig Mohammad**, T. Sravani, P. Rajeswari, V. Mohan, Y. Pavan Kumar” **Smart Security system for Women using Arduino**” International Journal of Applied Sciences, Engineering and Management, ISSN 2320 – 3439, Vol. 06, No. 02, March 2017, pp. 139 – 141.

- **Md. Baig Mohammad, M. Priya Bandhavi, G. Lalitha Sai, K.Sai Divya “Comaprision of Image Segmentation Algorithms for Brain Tumor Detection”** International Journal for Modern Trends in Science & Technology, ISSN 2455 – 3778, Vol. 02, Issue 4 , April 2016, pp. 48 – 53.
- **Md Baig Mohammad, Y. Sumesh Naidu, T. Ravikanth, P. Siva “Identification and Rejection of Defective Ceramic Tile using Image Processing and ARDUINO”** International Journal for Modern Trends in Science & Technology, ISSN 2455 – 3778, Vol. 02, Issue 4 , April 2016, pp.57-60.
- **Md. Baig Mohammad, R. Naga Srujana, A. Jaya Naga Jyothi, P. Bala Tripura Sundari ,” Disease Identification in Plants Using K-means Clustering and Gray Scale Matrices with SVM Classifier”** International Journal of Applied Sciences, Engineering and Management, ISSN 2320 – 3439, Vol. 05, No. 02, March 2016, pp. 84 – 88

Workshops

Nil

Guest Lectures

Nil

Prizes

Nil

Social Activities

Nil

Events Organized