


FACULTY PROFILE

1	Name of Faculty	AHAMMED MUNEEER K V		
2	Designation	ASSOCIATE PROFESSOR		
3	Department	APPLIED ELECTRONICS AND INSTRUMENTATION		
4	D O J	Govt. Service : 31-03-2008 GEC Kozhikode : 01-07-2014		
5	Contact No	9495923801 9847336487		
6	Email	ahammedcet@gmail.com ahammedmuneerkv@geckkd.ac.in		
7	Academic Qualifications			
	Degree	Year	Branch/Area of specialization	Institution
	PhD	2019	Image Processing	National Institute of Technology Calicut
	M. Tech	2012	Control & Instrumentation Systems	IIT Madras
	B. Tech	2002	Electronics and Communication Engineering	College of Engineering Trivandrum
8	Professional Experience			
	Period Served	Name of Institution		Designation
	01-07-2014 to Till date	Govt. Engineering College Kozhikode		Assistant Professor, Associate professor (w.e.f. 20-06-2018)
	30-07-2012 to 30-06-2014	Govt. College of Engineering Kannur		Assistant Professor
	31-03-2008 to 30-06-2010	Govt. Engineering College Wayanad		Lecturer
	01-09-2006 to 25-03-2008	Cooperative Institute of Technology, Vadakara, (Cochin University)		Lecturer
	14-01-2004 to 30-08-2006	Calicut University Institute of Engineering and Technology		Lecturer

9	Publications (List is attached)		
	Journal	5 Nos	
	International Conference	7 Nos	
	National Conference	1 No	
10	No. of STTPs attended from 2014	17 (List is attached)	
11	Membership in professional Bodies	ISTE	
12	No. of M.Tech. projects guiding/guided from 2014 till date	Guided	Guiding
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13	Field of Interest	Biomedical Signal & Image Processing, Electronic systems, Machine learning/deep learning	
14	Additional Responsibilities/Achievements	Listed	
15	Awards/Recognition	Winner of Best M.Tech project award from IIT Madras for the year 2012.	

PUBLICATION DETAILS

1. Ahammed Muneer K.V., “No-contact ECG Recording Instrument for Continuous Cardiovascular Monitoring”, IEEE EMBS international conference- Biomedical Health Informatics (BHI 2014), Valencia, Spain, pp. 269-272, 2014.
2. Ahammed Muneer K V, “A Reliable Non-Contact ECG Measurement System with Minimal Power Line Disturbance” in International Journal of Pharma Medicine and Biological Sciences Vol. 4, No. 2, April 2015.
3. Lubaib P, Ahammed Muneer K.V, Abdurahiman V, “Phonocardiogram based Diagnostic System” in International Journal of Biomedical Engineering and Science (IJBES), Vol. 2, No. 3, July 2015.
4. M. Rejisha, K. Sneha, B. Priya, K.V. Ahammed Muneer, M. Manuel, “Energy Harvesting System Using Foot Step Power Generation” in Proceedings of International Conference on Renewable Energy and Sustainable Environment (RESE 15), Pollachi, August 2015.
5. Lubaib P, Ahammed Muneer K V “The Heart Defect Analysis based on PCG signals using Pattern Recognition Techniques”, Procedia Technology 24 (2016), 1024-1031, Elsevier.
6. Neha Surendran, Ahammed Muneer K V, “Multistage classification of Alzheimer’s disease” International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume VI, Issue XII, 199-204, 2017.

7. Anitta Antony, Ahammed Muneer K V, “Feature optimization and Classification of Tumor grades using MR Images”, International CET Conference on Control, Communication, and Computing (IC4), Trivandrum, IEEE, 176-180. July 05 – 07, 2018.
8. Ahammed Muneer. K. V, Paul Joseph K, “Performance Analysis of Combined k-mean and Fuzzy-c-mean Segmentation of MR Brain Images”, *Lecture notes in Computational Vision and Biomechanics*, 28 (2018), 830-836. (Springer).
9. Ahammed Muneer K. V, Paul Joseph K, “Automation of MR Brain Image Classification for Malignancy Detection”, *Journal of Mechanics in Medicine and Biology*, Vol. 19, No. 1 (2019) 1940002. (World Scientific).
10. Ahammed Muneer K V., V. R Rajendran, Paul Joseph. K., “Glioma Tumor Grade Identification Using Artificial Intelligent Techniques”, *Journal of Medical Systems*. 2019, DOI: 10.1007/s10916-019-1228-2. (Springer).
11. Pranav S, Ahammed Muneer K V, “Quantitative Volume Measurement of Brain Tumor for Treatment and Planning” in 9th International conference on Advances in Computing and communications (ICACC 2019) at Rajagiri School of Engineering & Technology, Cochi , IEEE, November 2019.
12. Rahmathunneesa A P, Ahammed Muneer K V, “Performance Analysis of Pre-trained Deep Learning Networks for Brain Tumor Categorization” in 9th International conference on Advances in Computing and Communications (ICACC 2019) at Rajagiri School of Engineering & Technology, Cochi, IEEE, November 2019.
13. Ahammed Muneer K V, Anitta Antony, V R Rajendran, Paul Joseph K., “Automatic Classification of Glioma Tumor Grades using Transfer Learning in Deep Learning Networks”., *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization*, (Under Revision --Taylor & Francis).
14. Ahammed Muneer K.V, Sabeeh Ahammed M.T, Aswathy P., Paul Joseph K., “Automation of Brain Tumor Classification using Modified Fuzzy c-means Hybrid Segmentation”, *Journal of Intelligent & Fuzzy Systems (Under Revision-IOS Press)*.

LIST OF STTP'S ATTENDED (from 2014 onwards)

Sl No.	Course Name	Organized By	Sponsoring Agency	Duration	No of days
1	Foundations for Research in Biomedical Instrumentation	IIT Madras	AICTE	6 th to 10 th January 2014.	5
2	System design using Programmable Logics and embedded Processors	Govt. College of Engineering, Kannur	TEQIP-II	27 th January to 1 st February 2014.	6
3	Formulations of Research and Development initiatives for Scientists and Technologists	ESCI Hyderabad	TEQIP II	24 th to 27 th November 2014.	4
4	Pedagogical Training	IIT Madras	TEQIP II	2 nd to 4 th September 2015	3
5	Recent Trends in Bio-signal Processing	NIT Calicut	MHRD-AICTE	13 th to 18 th December 2015.	6
6	Tools in Electronics and Digital systems	IIT Bombay	TEQIP II	4 th to 8 th January 2016	5
7	Signal Processing and Pattern Analysis	Govt. Engineering College, Kozhikode	DTE Kerala	22 nd to 27 th February 2016.	6

Sl No.	Course Name	Organized By	Sponsoring Agency	Duration	No of days
8	Technologies for 5G wireless communication network	IIT Kanpur	IITK & BSNL_IITK Telecom centre	25 th to 27 th July 2016	3
9	ISO 9001:2015 Internal Audit - training course	ZANDIG TQM Solutions PVT Ltd., and GEC Kozhikode	TEQIP-II	28 th September 2016	1
10	Communication Presentation and Report Writing Skills	IIM Indore	TEQIP II	9 th to 11 th January 2017.	3
11	Deep learning and applications	College of Engineering Trivandrum.	AICTE	16 th to 20 th April 2018	5
12	Pedagogy to Synergistic Andragogy-A New Paradigm in Engineering Education	Govt. College of Engineering Kannur, Kerala.	FSDTC (training centre Kannur), DTE Kerala.	16 th to 20 th July 2018.	5
13	Deep Learning	NIT Calicut	IIC NITC	18 th to 22 nd December 2018	5
14	Mathematical Methods in Engineering	Govt. Engineering College, Kozhikode	TEQIP-II	11 th to 16 th February 2019	6
15	Induction programme	Govt. Womens Poly technic college, Thrissur	AICTE	July 11 to 13 2019	3

Sl No.	Course Name	Organized By	Sponsoring Agency	Duration	No of days
16	Mechatronics & Industrial Automation	Govt. Engineering College Wayanad	DTE Kerala	6 th to 9 th January 2020	4
17	Deep learning using Python	Govt. Engineering College Kozhikode	DTE Kerala	13 th to 18 th January 2020	6

LIST of STTP'S COORDINATED

Sl No	Name of Course	Period	Number of days	Name of Institution
1	Technical Documentation and Data analysis Tools	3 rd to 8 th February 2014	6	Govt. College of Engineering Kannur
2	Computer Assembling and Operating System Installation (for school students)	12 th may to 30 th may 2014	16	Govt. College of Engineering Kannur
3	Signal Processing and Pattern Analysis	22 nd to 27 th February 2016	6	Govt. Engineering College Kozhikode
4	Statistical Models for Pattern Analysis	20 th to 25 th January 2020	6	Govt. Engineering College Kozhikode

LIST OF STUDENT PROJECTS GUIDED

B. Tech Projects recently guided/guiding

Sl No	Name of Project/research work	Period	Name of Student Leader
1	Smart Water monitoring and Distribution system.	2017-18	Athira Mohandas
2	IOT based Smart Farming.	2018-19	Arun Benny
3	Fire fighting Robot.	2018-19	Varsha
4	Smart Driving Assistant.	2018-19	Abhilash K
5	Google Mirror	2019-20	Azhar Yaseen N. J
6	Pesticida Detector	2019-20	Athira P V
7	Fire Rescue Robot	2019-20	Aba Jabin A

M Tech Projects guided

Sl No	Name of Project/research work	Period	Name of Student
1	Estimation of Significant Parameters from ECG Signal	2014-15	Bhasi K C
2	Phonocardiogram based diagnostic system.	2014-15	Lubaib P
3	Classification and identification of tumor from MRI	2015-16	Amrutha M
4	Identification of brain tumor type from MRI	2015-16	Aswathy S
5	Brain tumor volume calculation and analysis from MRI.	2016-17	Pranav S
6	Multistage classification of Alzheimer's Disease	2016-17	Neha Surendran
7	Brain tumor grade categorization from MRI images using pattern recognition techniques	2017-18	Anitta Antony
8	Brain tumor grade categorization from MR Images using Pattern recognition Techniques.	2018-19	Rahmathunneesa A P

Reviewer of Conference/Journals:

1. Reviewer of *International Conference* on Systems, Energy and Environment organized by Govt. College of Engineering Kannur and sponsored by TEQIP-II, Kerala, 2013.
2. Reviewer of 2nd *National conference* on Systems and Signal Processing (NET 2014) organized by Govt. Engineering College Kozhikode and sponsored by TEQIP-II, Kerala.
3. Reviewer of 4th *National conference* on Systems and Signal Processing (NET 2016) organized by Govt. Engineering College Kozhikode and sponsored by TEQIP-II, Kerala.
4. Reviewer of *Journal* “Medical and Biological Engineering and Computing”, (Springer)
5. Reviewer of *Journal* “Journal of Intelligent and Fuzzy Systems”, (IOS press)

Responsibility/Positions Handled:

- Worked as Industry Institute Interaction Cell cum Visiting Faculty Coordinator in Govt. Engineering. College Wayanad (August 2008 to June 2010) and in Govt. College of Engineering Kannur (November 2012 to June 2013).
- Worked as College Hostel warden in Govt. College of Engineering, Kannur from 03-07-2013 to 30-06-2014.
- Worked as Assistant Returning Officer for the College Election, GEC Kozhikode in the year 2015.
- Worked as department coordinator of Entrepreneurship Development Club during 2016.
- Worked as Internal exam coordinator of Govt. Engineering College Kozhikode during July 2017 to June 2019.
- Working as ISTE faculty convener in Govt. Engineering College, Kozhikode w.e.f July 2016.
- Working as Technology Incubation Cell coordinator of Govt. Engineering College Kozhikode w.e.f July 2019.
- Working as Induction Program Coordinator for the first year students for the year 2019-2020.
- Working as Electronics and Communication Engineering Association Secretary (Faculty Advisor) of Govt. Engineering College, Kozhikode w.e.f July 2017.
- Working as ISO internal auditor in Govt. Engineering College Kozhikode w. e. f. July 2017.

Expert talks delivered

- Presented motivational talk on “*Self Excellence and Uniqueness for Success*” at Govt. Engineering College Kozhikode and Calicut University Institute of Engineering and Technology, Kerala. in 2015.
- Presented an expert talk on “*Machine learning tools and techniques*” at National Institute of Technology Calicut for the FDP on “School on Systems and Control” organized by the department of Electrical Engineering in 2018.
- Delivered a talk on “*Self Awareness and Value Based Education*” for first year students of GEC Kozhikode for student induction program on 5th August 2019.
- Presented a talk on “*Deep Learning Techniques & Interdisciplinary Research Trends*” for IEEE expert lecture program conducted in NIT Calicut on 27th December 2019.
- Presented a paper “*New peer group mechanism based pedagogical strategies for effective class room learning*” in 30th annual state faculty convention of ISTE Kerala section on 7th December 2019.
- Handled a session “*Deep Learning Techniques & Architectures*” for the FDP –“Deep learning using Python” organized in the Department of Applied Electronics & Instrumentation Engineering during 13th 18th January 2020.

ACHIEVEMENTS:

- **Organization/Participation**

- Worked as Accreditation convener and actively participated and coordinated in the accreditation process for getting NBA accreditation for the Department of Applied Electronics & Instrumentation Engineering. (Accreditation period: June 2017-2020).
- Organized and set university question papers for Calicut University, MG University, Cochin University, Kerala University, Kannur University and APJ Abdul Kalam Technological University.
- Guided and coordinated two funded B.Tech Projects under the sponsorship of Centre for Engineering Research and Development (CERD), Kerala in 2013-2014
- Participated and presented papers in International conferences in Malaysia and Spain in 2014 under TEQIP-II Kerala.
- Successfully participated in the seminar on *Intellectual Property Rights* jointly organized by Patent Information centre Kerala & IPR cell of Govt. College of Engineering Kannur on April 24th 2014.

- Chaired Technical Session in 2nd *National conference* on Systems and Signal Processing (NET 2014), organized by Govt. Engineering College Kozhikode and sponsored by TEQIP-II, Kerala.
- Successfully participated in the one day workshop on Research Writing: Technical and Language Aspects organized by the department of Mechanical engineering & School of management studies, National Institute of Technology Calicut on 28th February 2016.
- Worked as Programme committee member in the 4th *National conference* on Systems and Signal Processing (NET 2016), organized by Govt. Engineering College Kozhikode and sponsored by TEQIP-II, Kerala.
- Participated and presented paper in International conference on Computer Vision and Bio-inspired Computing organized by Inventive research Organization and RVS technical campus in Coimbatore, September 2017.
- Participated and Presented Papers in 9th International conference on Advances in Computing and Communications (ICACC 2019) at Rajagiri School of Engineering & Technology, Cochi during 6th & 7th November 2019.
- Participated in 30th annual state faculty convention of ISTE Kerala section and national seminar held at JDT Islam Poly technic college Kozhikode on 7th December 2019

Non-Academic achievements.

- **Chess**

- Secured 7th position in Kerala state open chess tournament in 2001.
- Obtained 1st position in Chess tournament conducted by ISTE college of Engineering Trivandrum in 2002.
- Participated and secured 3rd position in inter collegiate Chess championship of Kerala University during 2001.
- Secured 1st position for Hostel inmate's championship from IIT Madras in 2011.
- Successfully organized Open chess tournament in Govt. College of Engineering Kannur during National level Multi-fest *X-plore* in 2013.
- Got selection and participated in State civil service employees' chess tournament in 2016.
- Obtained 3rd position for Open students and faculty chess championship in Govt. Engineering College Kozhikode organized by ISTE GEC Kozhikode chapter in 2016.

- **Shuttle Badminton**

- Obtained 1st position (both for singles & doubles) organized for IIT madras Hostel inmate's championship in 2011.
- Obtained 1st position for inter department faculty tournament conducted in Govt. College of Engineering Kannur in 2013.
- Participated in Kerala State level Civil Service employees tournaments for shuttle badminton in 2016.
- Member of *Calicut University A - zone winner* team conducted for University College teachers in 2018.
- Winner of Shuttle badminton doubles team of the open championship for faculty & students organized by the department of physical education and college union of GEC Kozhikode in November 2019.

- **Poem published:** Published a poem regarding Kerala flood (deluge) on September 2018.

You tube link : <https://youtu.be/8Nu3hb2C2WE>

Social responsibility and Service

- Secretary of rural area club : **ACCESSS** (Amicable Centre for Culture, Education, Sports & Social Service)
- Active member of Anti ragging squad of GEC Kozhikode.
- Organized various cleaning activities in the college premises under *Swatch Bharat Mission*.
- Successfully organized a short term programme *for school students* on “Computer Assembling and Operating System Installation” for 16 days during vacation period (12-05-2014 to 30-05-2014) under *Continuing Education Centre* of Govt. College of Engineering Kannur., 2014.
- Performed duty as *Presiding Officer* in various elections such as Kerala State Legislative Assembly, Parliament (Lok-Sabha) etc. in Wayanad, Kannur and Kozhikode districts of Kerala.
- Performed as one of the *experts* for condemnation of unserviceable electrical/biomedical items located in Govt. medical college hospital Kozhikode, Govt. District hospital Tirur, Govt. Homeopathic medical college Kozhikode, etc.
- Conducted and organizing various workshops/seminars/training for students inside and outside of the college under Indian Society for Technical Education (ISTE) scheme.
