

FACULTY PROFILE

Name of Teaching Staff / RMK ID	Dr. K.A.Mohamed Junaid / T0308			
Designation	Professor and Principal			
Department	Electronics and Communication Engineering			
Date of Joining the Institution	01.06.2005			
Qualifications	B.E (ECE)	M.E (Power Electronics)	Ph.D (Image Processing and Networks)	
Total Experience	Overall : 34 Years 6 Months		in RMK : 17 Years 6 Months	
Papers Published in Journal	Overall : 19		After Joining RMK : 19	
List of Papers Published	<ol style="list-style-type: none"> 1. K.A. Mohamed Junaid, Y. Sukhi, Y. Jeyashree, A. Jenifer, A. FayazAhamed, PV based electric vehicle battery charger using resonant converter, Renewable Energy Focus, Volume 42, 2022, pp. 24-32, September 2022. 2. K.A. Mohamed Junaid, Y Sukhi ,Y Jeyashree(2020), Half Bridge Resonant Converter for Electronic Ballast, Solid State Technology Volume: 63 Issue: 6, ISBN: 0038-111X pp.: 5018-5028, November2020 3. M. Somasundaram, K. A. Mohamed Junaid, and Srinivasan Mangadu, (2020) Artificial Intelligence (AI) Enabled Intelligent Quality Management System (IQMS) For Personalized Learning Path:, Elsevier Procedia Computer Science, Volume 172, Pages 438-442 4. K.A.MohamedJunaid, D Sudha, SL Umamaheswari,(2020) Analysis of Peril and Mitigation in Engineering Education for Viable Augmentation, Procedia Computer Science 172, 523-527 5. K.A. Mohamed Junaid, E.Kesavan, B.Jaison,(2019) Novel Approaches towards Identification of Optimal Path and Efficient Network Deployment in Disaster Region using Unmanned Mobile Rovers, International Journal of Control Systems and Robotics, vol.4 , Scopus Indexed 6. R.Udaiyakumar, K.A.MohamedJunaid, T.Janani, R.Maheswar, 			

	<p>P.Yupapinl, S.Amiri, (2018), „Optical properties study of nano-composite filled D shape photonic crystal fibre“ Results in Physics, Elsevier Publications, Science Direct Volume 9, June 2018, Pages 1040- 1043. (Serial No in Annexure:10110)</p> <p>7. Frederick Swartz Daniel D, Mohamed Junaid K.A, Jaison B, Anita Rose J.T Dynamic association and participant based adaptive streaming in small base station for live video conference on 5G networks“ Transactions on Emerging telecommunications Technologies, Wiley Publications, Vol.29, issue.5, SCI indexed web of science (Sl.no in Annexure:11187)</p> <p>8. Mohamed Junaid K.A., Afrin Zulaiha – (2018) Auto result Analyser & Sender – International Journal of Engineering & Technology 2227-524-Page 73-76.</p> <p>9. Dr. K.A Mohamed Junaid, Dr. V Srinivasan, Dr. Geetha Ramadas and Dr. Pavai Madheswari, (2018) “Automatic Evaluation System for attainment of course outcomes in Outcome Based Education: A case study, 4th World summit on Accreditation, 7th to 9th September 2018</p> <p>10. Jesline, Mohamed Junaid K.A. (2017), „A Peer to Peer Architecture for Optimized Energy Efficient Routing in Visual Sensor Networks“ Wireless Personal Communications, Springer Publications Volume 94, <u>Issue 4</u>, pp 2325–2330. (Sl.No in Annexure:11503)</p> <p>11. Mohamed Junaid K.A. (2016), „Classification Using Two Layer Neural Network Back Propagation Algorithm, Circuits and Systems, 2016, Scientific Research Publishing (in Annexure I (Anna University Chennai) – Published on 6th June 2016. PP – 1207 -1212 – Google Scholar.</p> <p>12. Jaison B, Chilambuchelvan A, Mohamed Junaid K.A. (2015), Hybrid Classification Techniques for Microarray Data“, National Academy Science Letters (With Impact Factor 0.240 and in Annexure I (Anna University Chennai. Sl.no.6238) Scopus SCI indexed</p> <p>13. Pongiannan . R.K Mohamed Junaid K.A. (2013)“ FPGA Realization of Digital PWM Controller Using Q – Format Based</p>
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	<p>Signal Processing” Journal of Vibration and Control Manuscript ID – JVC-12-0328.R2 Impact Factor: 1.000, Vol. 21 – Issue 5 – SAGE Journals. Serial No. in Annexure :7734</p> <p>14. G. Raghuraman, Mohamed Junaid K.A (2013) “ Image retrieval using krawtchouk Moments” Archive of sciences Journal, Switzerland, Geneva” Vol:66 No:4 April 2013 ISSN 1661 – 464x PP: 240-244 Impact factor :0.474</p> <p>15. G. Raghuraman, Mohamed Junaid K.A (2013) “Image Retrieval using Krawtchouk Moments” Jokull Journal Vol 63 No: 5 May 2013 pp: 382-387</p> <p>16. K.A. Mohamed Junaid, (2013) GA based Network Security System for Medical Image Transmission Through Web, IJCSNS International Journal of Computer Science and Network Security, VOL.13 No.9, September 2013.</p> <p>17. Mohamed Junaid K.A. Dr.G. Ravindran(2012) “ Modified DWT based Medical Image Transmission using reduced storage space: Asian Journal of “ Biomedical & Pharmaceutical Sciences” Vol:2:2012 ISSN:2249 – 622X PP 24-32.Mohamed Junaid K.A. and Ravindran G. (2007), „FPGA Accelerator For DSP Image Compression System“, IFMBE Proceedings Springer Berlin Heidelberg Publisher, Vol. 15, pp. 396-399. ISSN 1680-0737</p> <p>18. Mohamed Junaid K.A. and Ravindran G. (2006), „Radiological Image Transmission using Web“, Proceedings of XV International Conference on Mechanics in Medicine and Biology (ICMMB), pp. 94-97. ISBN No: 1-930746-05-9</p> <p>19. Mohamed Junaid K.A. and Ravindran G. (2006), „FPGA Accelerator DSP Image Compression System“, Proceedings of International Conference on Medicine and Biology (ICMMB), pp. 98-101. ISBN No: 1-930746-05-9</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 21	After Joining RMK: 17
Ph.Ds / Projects Guided	Ph.Ds Guided : 5	Students Projects Guided: 42
Books Published :	Count:	

	List:	
Patents	Published Count: 4	Granted Count:
	List: <ul style="list-style-type: none"> ➤ Remote Health Monitoring System with wireless sensors - 2019 ➤ Efficacious Cooling System Centered Upon Establishing Humidity Control By Encompassing 25.03.2015. ➤ Enhanced wireless alphabetic keyboard for the visually challenged 08.05.2015 ➤ Efficient Solar Photovoltaic Power Generation Using Robust Wet Wipes System With Concentrator 08.05.2015. 	
Professional Memberships	Count : 7	
	<ul style="list-style-type: none"> ➤ Fellow member - IE(I) ➤ Life Member -ISTE ➤ Life Member -BMES ➤ Life Member -ISOI ➤ IACSIT ➤ IEEE ➤ IAENG INTERNATIONAL ASSOCIATION OF ENGINEERS 	
Consultancy Projects Completed	Count : 8	
Awards Received	Count : 8	
	<ul style="list-style-type: none"> ● Secretary & Treasurer - Indian Society for Technical Education - KEC Chapter (from 1996 -1998) ● Faculty advisor -Indian Society for Technical Education - KEC Students Chapter (From 1996 -1998) ● Treasurer - Alumni Association - KEC, Erode - 638 052. ● 'BEST STAFF' - ECE Dept., 1997 & 1998 -Kongu Engineering College, Perundurai, Erode - 638052. ● Received Mitsubishi Electric India Private Limited sponsored Centre of Excellence in Factory Automation “Partners in Excellence” Award at Automotive Forum held at Radisson Blu Hotel on 9th October, 2015. ● Received from the Institute of Engineers, TISLA Ambition & Achievement Award of “Dr.Abdul Kalam Eminent Leadership Award” on 28th October 2018. ● Received “Kalam Vision 2020 Award” from All India National Development Conference & Sister Nivedita 150 Years Birthday 	

	<p>Celebrations on 19th May 2018.</p> <ul style="list-style-type: none"> Received “Green9 Energy Excellence Award” from All India National Development Conference & Sister Nivedita 150 Years Birthday Celebrations on 20th May 2018.
Research grants Received	<ol style="list-style-type: none"> Design of Smart Breast Carcinoma Detecting System using Microwave Sensors
Orchid Link / ID	ID :
Google Scholar Link / ID	ID : https://scholar.google.co.in/citations?user=yUfWCHsAAAAJ&hl=en
Vidwan Link / ID	ID : https://vidwan.inflibnet.ac.in/profile/305166
Research Gate Link / ID	https://www.researchgate.net/profile/Mohamed-Junaid-K-A
Scopus Link / ID	ID: https://www.scopus.com/authid/detail.uri?authorId=56623170000