

Curriculum Vitae



Dr K A MOHAMED JUNAID

Principal

Professor – Department of ECE

R.M.K ENGINEERING COLLEGE

R.S.M.Nagar, KavaraiPettai– 601 206.

Gummidipoondi Taluk Thiruvallur District.TAMILNADU

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PERSONAL DETAILS:

Date of Birth & Age : 30/ 06/1967 & 54 Years

Designation : **Principal, R.M.K. Engineering College**
&
Professor, Electronics and Communication Engineering
Department

Qualification :

Institution / University	Degree	Year	%	Field of Specialization
Kongu Engineering College/ Bharathiar University, Coimbatore	B.E.,	1988	70	Electronics and Communication Engineering
College of Engineering / Anna University, Chennai	M.E.,	1991	64	Power Electronics
College of Engineering/ Anna University, Chennai	Ph.D.,	2011	-	Information and Communication Engineering (Image Processing and Networks)
Title of PhD thesis: Medical Image Transmission through web using secured Network Supervisor: Dr. G Ravindran, Former Chairman – Information and Communication Engg. Former Director – Center for Medical Electronics, College of Engineering, ANNA UNIVERSITY, CHENNAI				

RECOGNITIONS

- **Academic Council Member** – Anna University
- **Standing Committee Member** – Anna University
- Peer team Member and Evaluator – NAAC
- National Executive Council Member – ISTE, New Delhi
- Governing Council Member – R.M.D. Engineering College & R.M.K. Engineering College
- Organising Secretary – Smart India Hackathon 2018, R.M.K. Engineering College Nodal Centre

MEMBERSHIP

- Fellow member - IE(I)
- Life Member -ISTE
- Life Member -BMES
- Life Member -ISOI
- IACSIT
- IEEE
- IAENG INTERNATIONAL ASSOCIATION OF ENGINEERS

Employment record (starting from present position) –Total 34 Years Experience

Institution	Designation	Period
R.M.K. Engineering College	Principal & Professor /ECE	September 2016 to till date
R.M.K. Engineering College	Vice Principal, Professor & HOD	June 2005 to September 2016
Kongu Engineering College	Assistant Professor & HOD I/C	July 2000 to May 2005
Kongu Engineering College	Senior Lecturer	June 1997 to June 2000
Kongu Engineering College	Lecturer	June 1991 to May 1997
K.S.R.Institute of Tech	Lecturer	June 1988 to June 1989

Research Paper Presentations & Publications:

INTERNATIONAL JOURNAL PUBLICATIONS:

1. **K.A. Mohamed Junaid**, Y. Sukhi, Y. Jeyashree, A. Jenifer, A. Fayaz Ahamed, 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, November 2020
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.Mohamed Junaid**, 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.Mohamed Junaid**, T.Janani, R.Maheswar, P.YupapinI, 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)
7. Frederick Swartz Daniel D, **Mohamed Junaid K.A**,Jaison B,Anita Rose J.T (2018) 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)
8. **Mohamed Junaid K.A., Afrin Zulaiha** – (2018) Auto result Analyser & Sender – International Journal of Engineering & Technology 2227-524-Page 73-76.
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
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, Issue 4, pp 2325–2330. (Sl.No in Annexure:11503)
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.
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
13. Pongiannan . R.K **Mohamed Junaid K.A.** (2013) “ FPGA Realization of Digital PWM Controller Using Q – Format Based 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**
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**
15. G. Raghuraman, **Mohamed Junaid K.A** (2013) “Image Retrieval using Krawtchouk Moments” Jokull Journal Vol 63 No: 5 May 2013 pp: 382-387
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.
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

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
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

INTERNATIONAL CONFERENCE PAPER PRESENTATION:

1. Presented a paper on “Design and Analysis of Novel Face Shaped Microstrip Array Antenna of UWB for Early Breast Tumor Detection” at the 6th International Conference on IoT in Social, Mobile, Analytics and Cloud during 10-12 November 2022
2. Participated and presented a paper titled **Automatic Evaluation System** for Attainment of course outcomes in **OBE-A** case study in the **4th WORLD SUMMIT ON ACCREDITATION (WOSA – 2018)** during **7th – 9th September 2018**.
3. Presented a paper on “Performance Analysis Of Positive Output Elementary Super Lift Luo Converter (Poesllc) With Pi And Fuzzy Logic Controller”, at 2016 International Conference on Innovations in Information Embedded and Communication Systems on 17th & 18th March 2016.
4. Presented a paper on “Role of Accreditation to Enhance the Engineering Education by Analysis the Effectiveness of its Programs “at 45th ISTE Annual National Convention & International Conference on Challenges & Opportunities in Technical Education in the Era of Sustainable Development on 9th to 11th January 2016.
5. Presented a paper on “An Optimal Feature Extraction Technique For Illuminant, Rotation Variant Images” at 2013 IEEE international Conference on Computing, Electronics and Electrical Technologies Organized by Dept of EEE, NI University on 21 & 22 March 2013.
6. Presented a paper on “Adaptive Neuro – Fuzzy Inference System for Classification of ECG Signal” at 2013 IEEE international Conference on Computing, Electronics and Electrical Technologies Organized by Dept of EEE, NI University on 21 & 22 March 2013.
7. Presented a paper on “Optimized Design of ZUZCS Switched Non – Isolated DC – DC Boost Converter with High Voltage Gain” at 2013 IEEE International Conference on Circuit, Power and Computing Electronics and Electrical Technologies Organized by Dept of EEE, NI University on 21 & 22 March 2013.
8. Presented a paper on “Dermoscopic Image and classification using Machine learning Algorithms” at 2012 IEEE international Conference on Computing, Electronics and Electrical Technologies Organized by Department of EEE, NI University on 21 & 22 March 2012.
9. Presented a paper on “Optimised Flight control system with fault tolerance for an Unmanned aerial vehicle” at 2012 IEEE international Conference on Computing, Electronics and Electrical Technologies Organized by Dept of EEE, NI University on 21 & 22 March 2012.
10. Presented a Paper titled “ Radiological Image Transmission using Web” at XVth International Conference on Mechanic in Medicine and Biology, 6th to 8th December 2006, Nanyang Technological University Singapore.
11. Presented a Paper titled “FPGA Accelerator for DSP Image Compression System” at XVth International Conference on Mechanic in Medicine and Biology, 6th to 8th December 2006, Nanyang Technological University, Singapore.

12. A paper on „FPGA Accelerator for Medical Image Compression System“has been accepted for presentation at BIOMED 2006 – Kuala Lumpur International Conference – 2006, Malaysia.
13. A paper on Web Based Medical Image Transmission“ was presented in International Conference „Emerging Technologies in Intelligent System & Control“ EISCO 2005 at Kumaraguru College of Technology, Coimbatore in collaboration with CIPMAS, National university of Singapore and Product Devepoment and Manufacturing centre, Oakland University, USA during 5th to 7th January 2005.
14. A paper on „Automatic Monitoring in Telemedicine using Telecommunication Networks“ has been accepted for presentation at ANNIE 2003, International conference on Artificial Neural networks at University Missouri Rolla, USA during November 2003.
15. A paper on „Low cost Telemedicine using Cable TV network and TV Set“ has been accepted for presentation at Mednet2003, World Congress on Medicine & Internet, GENEWA
16. A Paper on 'Design of firing Scheme for a variable frequency three phase AC power Controller using Microprocessor' was accepted for presentation at IEEE TENCON „91,New Delhi during June 1991.

NATIONAL CONFERENCE PAPER PRESENTATION:

1. A paper on „Medical Image Analysis and Visualization „, was presented in National Conference on „Intelligent Computing in Communication and Automation“ organized by Dept. of ICE, Arulmigu Kalasalingam College of Engineering, Krishnan Koil during 1st-2nd April 2005.
2. A paper on „Remote ECG monitoring through Internet „, was presented in National Conference on Recent Trends in Advanced Computing, BIHAR, Dept. of CSE, BIHAR, Chennai -73 during 27th – 29th 2005
3. A paper on CCD Camera based Object identifier was presented in National Conference on Recent Trends in Advanced Computing, Dept. of CSE, BIHAR, Chennai -73 during 27th – 29th 2005.
4. Presented a paper on „Modern Multi-purpose syringe pump“ in the National conference on Recent Trends in Flow Measuring Techniques“ organized by Shri Angalaamman College of Engg. & Technology, Tiruchy on July 05, 2003.
5. Presented a paper on „Automatic Evaluation System for Attainment of course outcomes in Outcome Based Education – A Case Study organized by 4th World Summit on Accreditation 2018.

Research Projects guided

- 5 Numbers of Ph.D. Projects – acted as Reviewer & Examiner
- 12 Numbers of M.E. / M.Tech./ MS (By Research) Projects guided.
- 30 Number of B.E., (ECE,CSE,EIE and EEE) Projects guided.

Theory Subjects Handled

UNDER GRADUATE ENGINEERING COURSE:

- Biomedical Instrumentation
- Electrical Technology
- *Electric Circuits
- *Digital Electronics

- Measurements & Instruments
 - Electrical Engineering
 - Principles of Management
 - Microprocessors & Microcontrollers
- *Circuit Theory
 - *Transducer Engineering
 - *Sensors & Transducers
 - *Total Quality Management

POST GRADUATE ENGINEERING COURSE:

- Digital Instrumentation
- *Advanced DSP
- *Biomedical Engineering

Laboratory I/C

- Engineering Practices Lab
- Biomedical Instrumentation Lab
- Measurements & Instrumentation Lab
- *Computer Centre
- *Process Control Lab
- *Electron Devices Lab
- *Digital Electronics Lab
- *Electrical Machines Lab
- *Virtual Instrumentation Lab.

Honours and Awards

- Secretary & Treasurer - Indian Society for Technical Education - KEC Chapter (from 1996 -1998)
- Faculty advisor -Indian Society for Technical Education - KEC Students Chapter (from 1996 - I 998)
- 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 Celebrations on 19th May 2018.
- Received “Green9 Energy Excellence Award” from All India National Development Conference & Sister Nivedita 150 Years Birthday Celebrations on 20th May 2018.

Conferences , Short term courses organised / Attended

1. Attended Faculty Development Program on “5G Technologies Workshop” conducted by Mr.Ratnakar Rao, Director R&D Samsung India, organized by Telecom – Centre of Excellence.
2. Participated and presented an Elevator speech session in the “National Seminar on Digitisation of Higher Education for Quality Enhancement of Teaching-Learning and Research: Challenges and Opportunities” held at VIT during October 22nd & 23rd, 2018 organized by Internal Quality Assurance Cell.
3. Attended Faculty Development Program on Internet of Things organized by Infosys Ltd on 09.06.2017.
4. Attended Faculty Development Program on SMAC (Social, Mobile, Analytics & Cloud) organized by Cognizant on 08.06.2017.
5. Attended the 2 day Academic Leaders Programme at VIT University, Vellore on 25th and 26th February 2017.

6. Participated in 46th Annual Convention of ISTE on 10 to 12th February 2017 at Gulzar Institutions, Ludhiana and received the BEST CHAPTER OF ISTE TAMIL NADU AND PONDICHERRY SECTION Award on the basis of Creativities carried out during 2016-17.
7. Participated in FICCI's Education Conference "REFORMING AND REJUVENATING THE HIGHER EDUCATION" on 29th November 2016 at Chennai.
8. Attended a FDP on "Leading your Students to Success" on 30.06.2016 at RMK Engineering College by Cognizant.
9. Attended Faculty Development Programme on "Internet of Things" (IoT) at R.M.K. Engineering College on 05.05.2016.
10. Attended Faculty Development Programme on "Enabling Students on Future Technological Trends" at Kochi Cognizant Facility on 29.04.2016.
11. Attended Academic Interface Meeting at Johnson Controls, Pune on 08.01.2016.
12. Participated and presented a paper on "Role of Accreditation to enhance the Engineering Education by Analysis the Effectiveness of its Programs" in the International Conference on challenges and opportunities in Technical Education in the era of Sustainable Development organized by 45th ISTE Annual Convention during 9 to 11th January 2016 at Amaravati (M.S) India.
13. Participated in the First Indian Engineering Dean's Council Global Summit on "Engineering Education – Current Scenario & Future Prospects" on 31st July & 1st August 2015 " Organized by ISTE New Delhi.
14. Attended Faculty Development Programme on "Changing Technology Trends and Enabling the Students" at Infosys Ltd., Mysore on 21.05.2015 to 22.05.2015 by Infosys Ltd.,
15. Participated in the Innovate India 2015 Conference on "Make in India : Opportunities through Innovation" Organised by NRDC in association with PSG College of Technology on 25th & 26th February 2015.
16. Acted as Technical Reviewer of the IEEE International Conference on Circuit, Power and Computing Technologies – 2013, organized by the Department of Electrical and Electronics Engineering held on 21st and 22nd March 2013 at Noorul Islam University.
17. Participated in the first edition of National Higher Education conclave organized by CII Coimbatore on 29th & 30 November 2013 at Coimbatore.
18. Participated in the "NBA – New Outcome Based Accreditation" workshop on 13.9.13 & from 26.9.13 to 28.09.13 organized by National Board of Accreditation, New Delhi.
19. Technical Reviewer and Session Chair for the 1st Electrical and Electronics Engineering International Conference on Circuits, Power and Computing Technologies 2013 organized by Department of Electrical and Electronic Engineering, Noorul Islam Centre for Higher Education, Noorul Islam University, Kumarakoil.
20. Participated in the Continuing Professional Development Programme on "Quality Initiatives in technical and higher Educational institutions conducted by Engineering Staff college of India at Hyderabad during 23rd to 25th January 2012.
21. Attended a three days training program on "HoD Competency Development" on 1st to 3rd December 2011.
22. Participated in the International Conference of Accreditation (Washington Accord and ABET imperatives) ICA 2011 held in Chennai, during May 18 – 19, 2011.
23. Attended a one day workshop on "How to Write Research Proposals and Overview of Prospective Funding Agencies" 7th August 2010 at R. M. K Engineering College.
24. Attended one day international SYMPOSIUM ON "ICT in Education Challenges and Innovation" organized by Colombo Plan Staff for Technical Education and National Institute of Technical Teachers Training & Research on march 12, 2009.
25. Attended one day program on "Learnbility – Insights.19th February 2009, Wipro Technologies Ltd.
26. Attended 6th International Conference on " Trends in Industrial Measurements & Automation " 4th – 6th January 2009 at MIT, Anna University Chennai.
27. Attended One Day FDP by Prof. C.R. Muthkrishnan, TCS 29th February 2008 at RMK Engg. College.
28. Attended MHRD AICTE sponsored summer school on " Biomedical Electronics from 4th to 9th August 2008 at National Institute of Technical Teachers Training & Research, Chennai.
29. Co-ordinator for ISTE –NSTEDB Sponsored Entrepreneurship Awareness Camp for Students

- (EACS) during 21 – 23 Aug‘08 at R.M.K. Engineering College.
30. Organized Two day International Workshop on „Modern image Processing“ during Sep 2,3 2007 at RMK Engineering College.
 31. Attended AICTE `ISTE sponsored STTP on “Wireless Networks, Security & Programming” form 26th – 30th March 2007 at RMK Engineering College.
 32. Delivered Key Note Address on Embedded Biomedical Telemedicine Applications in UGC Sponsored National Conference on „Emerging Trends in Embedded Systems during 14th & 15th October 2005 at PG & Research Department of Electronics at Erode Arts College, Erode.
 33. Attended 15 days TELEHEALTH TECHNOLOGY course at Anna University & Apollo Hospital during Dec 2005.
 34. Participated in TECHNOVISION 2003, a two day Technical Seminar organized by M/S. Computer India, Coimbatore during 11th & 12th July 2003.
 35. Attended Anna University Faculty Development programme on Industrial Instrumentation II at Kongu Engineering College, ERODE – 638 052. during 24th & 29th November 2003.
 36. Attended a National Seminar on „ Remote Sensing & Processing of Satellite Images – RSIP 2003 conducted by Dept. of CSE, Kongu Engineering College, ERODE – 638 052. during 6th & 7th November 2003.
 37. Attended Anna University Faculty Development programme on Process Control at Kongu Engineering College, ERODE – 638 052. during 30th June & 5th July 2003.
 38. Attended Medical equipments training Programme at I.R.T. Perundurai Medical College Hospital on 27.02.2003.
 39. Conducted Biomedical Instrumentation Course (2 Weeks – Non- Formal Course) – Department of EIE, Kongu Engineering College, ERODE – 638 052.
 40. Participated in the 1st National Conference on 'Energy Monitoring - NCEM 200r at Kongu Engineering College, Perundurai, Erode.
 41. Attended 3 Day workshop on ' Mobile Networking with W AP' Conducted by the School of Computer Science & Engg., Anna University, Chennai during 7- 9, Feb, 2002.
 42. Completed Special Training Course on ISO -' Internal Quality Auditor Organised by Zandig TQM Solutions (P) Ltd., Bangalore during Nov.2001.
 43. Completed 5 Days Training Programme on MIPOWER Software package jointly conducted by Power Research & developmenttants (P) Ltd., Bangalore, & MACMET India Ltd., Simulation Systems Division. Bangalore during March 10,2001.
 44. Participated in the International Conference on Biomedical Engineering - 2001 organised by Centre for Medical Electronics, Anna University, Chennai during 24- 26 Jan.2001.
 45. Attended 5 Days Course on 'Process Control' under continuing Education Programme, organized by Regional Engineering College, Tiruchirapalli during 04 - 08, Dee 2000.
 46. Organised & Attended AICTE - ISTE sponsored winter school on ' Unified Approach on Industrial & Medical Instrumentation' by Department of Electrical & Electronics Engg., Kongu Engineering College, Perundurai, Erode from 09.11.2000 to 22.11.2000.
 47. A paper on Technology Enhanced Technical Education' was presented during XXIX Annual convention of Indian Society for Technical Education, New Delhi & National Seminar on . Management of Technical Education in 21st Century' at Kongu Engineering College, Perundurai, Erode. During 10 - 12 Dec. 1999.
 48. A paper on ' Role of IT in Technical Education - Micro Teaching Technique" was presented during National conference on ' Technical Education in the new millennium at Osmania University, Hyderabad. During 12 - 13, March 2000.
 49. A paper on Role of IT in Technical Education' was presented during National conference on "Recent advances in Information Technology" at Thiagarajar College of Engineering, Madurai on 25.2.2000.
 50. A Paper on Microprocessor based firing scheme for Thyristors working under variable frequency supply' was submitted in National Conference EDCOTS '97 at Samrat Ashok Technological Institute Vidisha, Mathya Pradesh, during 1996.
 51. Participated & contributed a paper in the One day Seminar on 'Need based curriculum Development' organized by Association of Principals of Bharathiar University on 2nd April

2000 at Bharathiar University. Coimbatore.

52. Attended UGC Sponsored State level work shop on Recent Trends in Biomedical Instrumentation' conducted by P.S.G. College of Arts & Science, Coimbatore during 27 to 29 March 2000.
53. Completed successfully the 2 weeks ZEAL LEADERSHIP course conducted by ZEAL - Institute of Personality Development, Bangalore during Feb, 2000.
54. Attended One Day annual convention of Indian Society for Technical Education- Tamil Nadu & Pondicherry Section on 1st August 1998 at Kongu Engineering College, Perundurai, Erode.
55. Attended 3 Days Programme on ' Induction Training for Teachers' Sponsored by Indian Society for Technical Education, New Delhi at Kongu Engineering College, Perundurai, Erode. During 24 - 26 Jan. 1997.
56. Attended 3 Days Workshop on ' Helping students to develop Better Learning Skills' Sponsored by Indian Society for Technical Education, New Delhi at Technical Teachers Training Institute, Chennai during Dec. 1996.

FUNDED PROJECTS CONFERENCES / SDP ORGANISED / CONSULTANCY ACTIVITIES

1. Organized ISTE Sponsored (Rs. 10,000) National Conference On ““ADVANCEMENTS IN AUTOMATION AND ENERGY EFFICIENT SYSTEMS” (AAEES)” During 02nd May 2016.
2. Organized ISTE Sponsored (Rs. 10,000) Short Term Training Programme on “LabVIEW ” (Core I and Core II) during 01.06.2015 to 05.06.2015.
3. Organized ISOI Sponsored National Conference On “Advancements In Embedded Systems, Control & Industrial Instrumentation” During 23rd March 2015.
4. Organized ISOI Sponsored National Conference on “Recent Trends in Industrial Instrumentation & Control for Industrial Applications” during 21 & 22 April 2014.
5. Organized National Conference AICTE and NI sponsored (Rs. 40,000) on Research & Developments in Healthcare and Process Automation on 3rd March 2012.
6. Organized CSIR sponsored (Rs. 30,000) National Conference on Recent Trends in Industrial and Medical Instrumentation during 26 & 27 March 2011.
7. Organized AICTE sponsored (Rs. 6,70,211) SDP on “Recent Trends in Industrial and Medical Instrumentation during 27.05.2011 to 10.06.2011.
8. Two Numbers of UG projects have been funded by Industry with a worth of 3 Lakhs.
9. Member of Advisory Committee of Global Techno Solutions to provide consultancy activities including Guest Lecture and project guidance.

PATENTS APPLIED

- 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.

❖ COORDINATION AND PARTICIPATION OF QUALITY ASSURANCE INITIATIVES

1. Participated and presented a paper titled **Automatic Evaluation System** for Attainment of course outcomes in **OBE-A** case study in the **4th WORLD SUMMIT ON ACCREDITATION (WOSA – 2018)** during **7th – 9th September 2018**.
2. Development and implementation of Smart Pick System for evaluation system for Outcome based education (OBE) with Course Objectives and Bloom’s Taxonomy K-

Level.

3. Coordination of ISO 9001 activities of the institution as the Principal since 2017 including the transition to ISO 9001 : 2015 standards in July 2018 as certified by the Certifying Agency DNV - GL. Coordination with the Dean and HODs in revising the Vision and Mission of the Institution and with the Governing Council in presenting and getting the approval. Coordination of the preparation of the Document on Organizational Context, Expectations of Internal and External Stakeholders, Risks and Opportunities and the processes as per ISO 9001 : 2015 standards.
4. Coordination of Smart India Hackathon 2018 Grand Finale at RMK Engineering College as Nodal Center in March 2018. It was successfully conducted and a certificate of appreciation was received from Chairman, AICTE.
5. Coordination of AQAR Report for 2017 – 2018 preparation and submission to NAAC as the Principal in December 2018.
6. Coordination of review of SAR Reports, NBA Expert Team visit and NBA Accreditation Process for 3 departments (ECE, CSE and EIE) as the Principal in the year 2018. All the 3 Departments got accredited for 3 years.
7. Coordination of review of SAR Reports, NBA Expert Team visit and NBA Accreditation Process for 3 departments (Civil, Mechanical and EEE) as the Principal in the year 2018. All the 3 Departments got accredited for 3 years.
8. Coordination of preparation of SSR Report , NAAC Expert Team visit and NAAC Accreditation Process for the institution as the Principal in the year 2017. The institution was accredited with a rating of A+ by NAAC.
9. Coordination of Internal Quality Assurance Cell (IQAC) activities as the Principal and Convener since June 2016 including conducting of 9 IQAC meetings till February 2019.
10. Participation in the training in Outcome Based Accreditation conducted by NBA in RMK Engineering College NBA Nodal Center in 2013.
11. Coordination of preparation of SAR Report, NBA Expert Team visit and the NBA Accreditation Process for the Department of Electronics and Instrumentation (EIE) as the HOD and Vice Principal in the year 2012 ; The EIE Department got accredited for 3 years.