


FACULTY PROFILE

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| Name of Teaching Staff / RMK ID | Dr. A. NIYAS AHAMED/T1165 | |  |
| Designation | Associate Professor Professor | | |
| Department | Electronics Engineering (VLSI Design and Technology) | | |
| Date of Joining the Institution | 20.01.2025 | | |
| Qualifications | B.E.-ECE | M.E.-APPLIED ELECTRONICS | Ph.D. - I&C |
| Total Experience | Overall: 10 Years | in RMK: 1 Week | |
| Papers Published in Journal | Overall: 16 | After Joining RMK: 0 | |
| List of Papers Published | <p>1. Published a paper titled "Hybrid Brent Kung Adder with Modified Sum Generator for Energy Efficient Applications" in "Journal of Circuits, Systems and Computers", Impact Factor: 1.278.</p> <p>2. Published a paper titled "Design of an Area Efficient and High-Performance Adder with a Novel Sum Generator" in "Journal of Circuits, Systems, and Signal Processing Springer Nature", Impact Factor: 2.3.</p> <p>3. Published a paper titled "Solar-fed Electric Vehicle for Environmental Protection and Sustainable Development" in "Journal of Environmental Protection and Ecology", ISSN: 1311-5065, Impact factor: 0.692.</p> <p>4. Published a paper titled "Plasmonic Biosensor Field-Effect Devices for Virus Detection by Carbon Nanomaterials" in "Journal of Environmental Nanotechnology".</p> <p>5. Published a paper titled "Voice Controlled Smart Wheel Chair for Physically Challenged People" in the journal "International Journal of Innovative Research".</p> <p>6. Published a paper titled "Automatic Solar Tracker" Journal of "International Journal of Innovative Research in Science, Engineering and Technology", ISSN: 2319-8753, Impact</p> | | |

factor: 8.4.

7. Presented a paper titled "Collision Detection Based Neighbor Discovery For Wireless Networks Using Maximum Weighted Spanning Tree Algorithm" in 2024 International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS) -IEEE Conference.

8. Presented a paper titled "IoT Wearable Medical Device for Heart Disease Recognition Based MI and DI: A Bow Based MDCNN Classification Approach" in 2024 International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS) -IEEE Conference.

9. Presented a paper titled "CNN Shines in Brain Tumor Detection: Insights from Deep Learning" in 2023 International Conference on Integrated Intelligence and Communication Systems -IEEE Conference.

10. Presented a paper titled "A Novel Approach of DC-DC Converter for Electric Vehicle Battery Charging", in 3rd International Conference on Signals Machines and Automation, SIGMA 2024 (Acceptance Received)-Springer Conference.

11. Submitted a paper titled "Intelligent Edge-Based System for Driver Drowsiness Monitoring in Mobile Crowd-sourcing Environments", in 2nd International Conference on recent trends in Microelectronics, Automation, Computing, and Communication Systems (Acceptance Received)-IEEE Conference.

12. Presented a paper titled "Intelligent Edge-Based System for Driver Drowsiness Monitoring in Mobile Crowd-sourcing Environments", in 2nd International Conference on recent trends in Microelectronics, Automation, Computing, and Communication Systems (Acceptance Received)-IEEE Conference.

13. Presented a paper titled "Analysis of Machine Learning Performance for Detection of Network Intrusions" in 2023

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| | <p>National Conference on Communication Technologies.</p> <p>14. Presented a paper titled “Smart Garbage Monitoring System Using GPS, GSM and IoT” in 2023 International Conference on Recent Trends in Science Technology Engineering and Mathematics.</p> <p>15. Presented a paper titled “Smart Garbage Waste Management” in 2023 International Conference on Recent Trends in Science Technology Engineering and Mathematics.</p> <p>16. Presented a paper titled “Artificial Intelligence in Autonomous Vehicle- a Review” in 2022 International Conference On Communication, Cyber Security, Robotics, AI and IoT.</p> | |
| Papers Presented in Conferences (Scopus / WoS indexed only) | Overall : 5 | After Joining RMK : 0 |
| Ph.Ds. / Projects Guided | Ph.Ds. Guided:Nil | Student Projects Guided: 20 |
| Books Published: | <p>Count: 3</p> <p>List:</p> <p>1)Published a book title “Renewable Energy Technologies” having ISBN: 978-81-976480-2-1 in Aasan Publications, (2024).</p> <p>2)Published a book title “Sensors and Actuators” having ISBN: 978-81-967142-6-0 in Aasan International Publications, (2024)</p> <p>3)Published a book title “Electric Vehicle Architecture” having ISBN: 978-93-5570-843-4 in AkiNik Publications, (2023).</p> | |
| Patents | Published Count :8 | Granted Count : 4 |
| | <p>List:1. AI Based Network Intrusion Detection Device</p> <p>Inventor(S): Dr. K. Ramanan Dr. D. David Neels Ponkumar, Mrs. G. Shunmugapriya, Mr. S. Arul Kirubaharan Dr. T. Joel, Mr. A. Niyas Ahamed, Mr. Ansho P M, Dr. Ramesh S, Dr. Ls. Hephzi</p> | |

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| | <p>Punithavathi, Dr. A. Narendra Kumar.</p> <p>2. Designing A Micro Jammer To Avoid Explosion in Petrol Stations Due to Mobile Usage</p> <p>Inventor(S): Mr. S. Nazrin Salma Dr. D. David Neels Ponkumar, Dr. A. Annalakshmi, Mr. V. Arunachalam, Mr. A. Niyas Ahamed.</p> <p>3. IoT Enabled Energy Efficient Advanced 6g communication Network System</p> <p>Inventor(S): Dr. I.S. Hephzi Punithavathi Dr. David Neels Ponkumar, Dr. M. Supriya, Dr. P.J. Beslin Pajila, Mr. Arul Kirubaharan, Dr. S P Valan Arasu, Mrs. G. Shanmugapriya, Mr. A. Niyas Ahamed, Mr. Rimlon Shibi, Dr. K. Ramanan,</p> <p>4. IoT Based Smart Robot for HVAC Duct Cleaning</p> <p>Inventor(S): Mrs. G. Shunmugapriya Dr. D. David Neels Ponkumar, Dr. A. Benham, Mr. S. Arul Kirubaharan, Dr. S. P. Valan Arasu, Dr. A. Narendra Kumar, Dr. P. Duraisamy, Dr. M. Supriya, Mr. Vinodh Kumaresan, Mr. A. Niyas Ahamed.</p> <p>5. A Lora WAN Infrastructure Based Smart Trash Bin Level And Hazardous Gas Management System</p> <p>Inventor(S): Dr. E A Mohamed Ali Dr. K.Murugan, Dr. M. Leeban Moses, Mr. S. Mohammed Malik Mubeen, Dr. S. Thangapandi, Dr. K. Anand, Ms. S. Nazrin Salma, Mr. A. Niyas Ahamed,</p> <p>6. Solar Water Distillation System</p> <p>Inventor(S): Dr. Joe Patrick Ganaraj, A. Niyas Ahamed, M. Suganthi, M.A. Raja,</p> <p>7.Wireless Network Intrusion Detection Device Inventor(S):</p> <p>Dr. D. David Neels Ponkumar, Mr. Parthiban, Dr. Arunkumar, Mr. Sam Kingsley, Mr. Niyas Ahamed , Mrs. Nazrin Salma.</p> <p>8.AI Based Network Security Hub</p> <p>Inventor(S): Dr. D. David Neels Ponkumar, Mrs. Preena Prasad, Dr. Manohar, Mr. Niyas Ahamed , Dr. Revathy, Mrs. Nazrin Salma Dr. Anand, Mr. Arul Kirubaharan</p> |
| <p>Professional Memberships</p> | <p>Count :3</p> <p>List:</p> <ol style="list-style-type: none"> 1. ISTE- Life Time Member 2. I2OR- Life Time Member 3. IAENG-Life Time Member |

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| Consultancy Projects Completed | Count :0 |
| Awards Received | Count : 2 List: 1. Received Outstanding Teacher Award from International Institute of Organized Research in the year 2023. 2. Recognized as Top 50 Eminent Teachers of the Year 2023 from International Institute of Organized Research in the year 2024. |
| Research grants Received | Nil |
| Orchid Link / ID | ID: 0009-0004-7271-1781 |
| Google Scholar Link / ID | ID: CbyBu5QAAAAJ |
| Vidwan Link / ID | ID: https://vidwan.inflibnet.ac.in/profile/588694 |
| Research Gate Link / ID | ID: - |
| Scopus Link / ID | ID: 58483852800 |