


## FACULTY PROFILE

<b>Name of Teaching Staff / RMK ID</b>	Mr. K.Vijay Anand / T0279		
<b>Designation</b>	Associate Professor		
<b>Department</b>	Electronics and Communication Engineering		
<b>Date of Joining the Institution</b>	25.06.2004		
<b>Qualifications</b>	B.E - Electronics and Communication Engineering	M.S (U.K) - Communication and Signal Processing Engineering	(Ph.D)
<b>Total Experience</b>	Overall: 19 Years 1 Month	Overall: 19 Years 1 Month	
<b>Papers published in Journal</b>	Overall: 10	After Joining RMK: 10	
<b>List of Papers Published</b>	<p><b>1.ACoCo: An Adaptive Congestion Control Approach for Enhancing CoAP Performance in IoT Network</b>  Published in: 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Date of Conference: 04-06 May 2023, Date Added to IEEE Xplore: 08 June 2023, INSPEC Accession Number: 23243478, Publisher: IEEE  DOI: 10.1109/ICAAIC56838.2023.10141283  <a href="https://ieeexplore.ieee.org/document/1014128">https://ieeexplore.ieee.org/document/1014128</a></p> <p><b>2.Wind speed monitoring system using LIDAR system</b>  Published in: 2023 9th International Conference on Electrical Energy Systems (ICEES), Volume , Year 2023, Pages 619-623  Date of Conference: 23-25 March 2023, Date Added to IEEE Xplore: 01 May 2023, INSPEC Accession Number: 23039662, Publisher: IEEE  DOI: 10.1109/ICEES57979.2023.10110261  <a href="https://ieeexplore.ieee.org/document/10110261">https://ieeexplore.ieee.org/document/10110261</a></p> <p><b>3.Smart Monitoring System for Small-scale Wind Turbine Model</b>  Published in: 2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE) Date of Conference: 23-24 April 2022. Date Added to IEEE Xplore: 13 June 2022, Publisher: IEEE  INSPEC Accession Number: 21781992,  DOI: 10.1109/ICDCECE53908.2022.9793080  <a href="https://ieeexplore.ieee.org/document/9793080">https://ieeexplore.ieee.org/document/9793080</a></p> <p><b>4.Wind Turbine Instrumentation System using Labview</b>  Published in: 2022 Third International Conference on Intelligent Computing Instrumentation and Control Technologies (ICICT) Date of Conference: 11-12 August 2022, Date Added to IEEE Xplore: 18, October 2022, INSPEC Accession Number: 22190108, Publisher: IEEE  DOI: 10.1109/ICICT54557.2022.9917754  <a href="https://ieeexplore.ieee.org/document/9917754">https://ieeexplore.ieee.org/document/9917754</a></p> <p><b>5. Automatic Drainage Monitoring and Alert System Using IoT</b>  Springer: Inventive Computation and Information Technologies pp 747-</p>		

758, Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 336), Published 18 January 2022  
 DOI : [https://doi.org/10.1007/978-981-16-6723-7\\_55](https://doi.org/10.1007/978-981-16-6723-7_55),  
 Publisher Name Springer, Singapore , Print ISBN 978-981-16-6722-0,  
 Online ISBN 978-981-16-6723-7  
[https://link.springer.com/chapter/10.1007/978-981-16-6723-7\\_55](https://link.springer.com/chapter/10.1007/978-981-16-6723-7_55)

**6. Smart Mirror Information System Using IoT**  
 Springer: Inventive Computation and Information Technologies pp 631–640  
 Lecture Notes in Networks and Systems, Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 336),  
 DOI [https://doi.org/10.1007/978-981-16-6723-7\\_46](https://doi.org/10.1007/978-981-16-6723-7_46), Published 18 January 2022,  
 Publisher Name Springer, Singapore  
 Print ISBN 978-981-16-6722-0, Online ISBN 978-981-16-6723-7  
[https://link.springer.com/chapter/10.1007/978-981-16-6723-7\\_46](https://link.springer.com/chapter/10.1007/978-981-16-6723-7_46)

**7. Active flow control in Horizontal Axis Wind Turbine using PI-R controllers**  
 Published in: 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS), Pages 1010-1013  
 Date of Conference: 06-07 March 2020, Date Added to IEEE Xplore: 23 April 2020  
 INSPEC Accession Number: 19557191, Publisher: IEEE  
 DOI: 10.1109/ICACCS48705.2020.9074461  
<https://ieeexplore.ieee.org/document/9074461>

**8. Power Transformer Fault Detection and Classification Using SVM Classifier**  
 International Journal of Advanced Science and Technology, Volume 29, Year 2020, Pages 6654—6660 ,  
<http://serisc.org/journals/index.php/IJAST/article/view/17709>

**9. TREMOMARKER-Tremor detection for diagnosis in a non-clinical approach using IoT**  
 Published in: 2018 Fourth International Conference on Biosignals, Images and Instrumentation (ICBSII), Pages 57--62  
 Date of Conference: 22-24 March 2018, Date Added to IEEE Xplore: 08 November 2018, INSPEC Accession Number: 18262679,  
 Publisher: IEEE  
 DOI: 10.1109/ICBSII.2018.8524816  
<https://ieeexplore.ieee.org/document/8524816>

**10. AUTONOMOUS SYSTEM FOR DETECTION OF DEFECTS IN RAILS BY IMAGE PROCESSING**  
 International Journal of Pure and Applied Mathematics, Volume 117, Year 2017, Pages 137-143. Volume 117 No. 16 2017, 137-143 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version) url:  
<http://www.ijpam.eu>  
<https://acadpubl.eu/jsi/2017-117-16/articles/16/17.pdf>

<b>Papers Presented in Conferences (Scopus / WoS indexed only)</b>	Overall: 9	After Joining RMK: 9
<b>Ph.Ds / Projects Guided</b>	Ph.Ds Guided: Nil	Student Projects Guided: 60
<b>Books Published:</b>	Count: Nil	

	List: Nil
<b>Patents</b>	Published Count: 3
	Granted Count: Nil
	<p>1. Catalytic Converter Efficiency Monitoring System , 202041045390 22.04.2022</p> <p>2. AI Based Image Processing System for Tracking and Monitoring the Health and status of Animals,202141059519 , 4.02.2022</p> <p>3. Mini Robot for Medication adherence and monitoring for elderly Covid prevention by detecting mask and maintaining the social distance , 202141059517 ,4.02.2022</p>
<b>Professional Memberships</b>	Count: 5
	<p>ISTE - Indian Society for Technical Education</p> <p>ISOI - Instrument society of India</p> <p>ISSE- Indian Society if Systems for Science and Engineering</p> <p>ISRD – International Society for Research and development</p> <p>IAENG - International Association of Engineers</p>
<b>Consultancy Projects Completed</b>	Count: 3
<b>Awards Received</b>	Count: 3
	<p>1. <b>Smart India Hackathon</b> , 2022 SIH Senior, Software Edition - 2022 Ministry of Education ,Govt.Of India - Winner</p> <p>2. <b>AICTE, Chhatra Vishwakarma Award</b>, Certificate of Excellence - 2020 AICTE, Govt. of India - Winner</p> <p>3. <b>Smart India Hackathon</b> , 2019 SIH Senior, Software Edition - 2019 Ministry of Education ,Govt.Of India - Winner</p>
<b>Research grants Received</b>	Nil
<b>Orchid Link / ID</b>	<a href="https://orcid.org/0000-0001-5033-9975">https://orcid.org/0000-0001-5033-9975</a>
<b>Google Scholar Link / ID</b>	<a href="https://scholar.google.co.in/citations?user=S7BVBtoAAAAJ">https://scholar.google.co.in/citations?user=S7BVBtoAAAAJ</a>
<b>Vidwan Link / ID</b>	<a href="https://vidwan.inflibnet.ac.in//profile/305332">https://vidwan.inflibnet.ac.in//profile/305332</a>
<b>Research Gate Link / ID</b>	<a href="https://www.researchgate.net/profile/Vijayanand-k">https://www.researchgate.net/profile/Vijayanand-k</a>
<b>Scopus Link / ID</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=57216783144">https://www.scopus.com/authid/detail.uri?authorId=57216783144</a>