


FACULTY PROFILE

Name of Teaching Staff / RMK ID	T.BLESSLIN SHEEBA/ T0014			
Designation	PROFESSOR			
Department	ECE			
Date of Joining the Institution	12.05.1997			
Qualifications	B.E (ECE)	M.E	PH.D	
Total Experience	Overall : 30 YEARS		in RMK : 26 YEARS	
Papers Published in Journal	Overall : -25		After Joining RMK :25	
List of Papers Published	<ol style="list-style-type: none"> 1. Blesslin Sheeba T. and Rangarajan P. (2013), “Area Efficient Cryptographic Ciphers For Resource Constrained Devices”, Life science Journal, ISSN: 1097-8135, Vol. 10, No.3, pp. 1107-1114. 2. E.R.Tintu and T. Blesslin Sheeba (2013), “Improved video steganography using inter pixel value coding” International Journal of Research in Engineering & Advanced technology, ISSN: 2320-8791 Volume 1, Issue 1. 3. Blesslin Sheeba T. and Rangarajan P. (2014), “A Novel S-Box Design For Hb-2 Against Side Channel Attack”, Journal of Computer Science”, ISSN: 1549-3636, Vol. 10, No. 9, pp. 1752-1757. 4. Y. Susan Florence and T. Blesslin Sheeba (2014), “Energy Harvesting Capability of Air for Measurements Using Self Powered Wireless Sensor Network,” International Journal of Engineering Research and Applications (IJERA), ISSN: 2248-9622, pp. 30-34. 5. Blesslin Sheeba T. and Rangarajan P. (2014), “SOC Implementation of Hybrid Cryptography Techniques using HIGHT and RC4 Algorithm” Research Journal 			

Of Recent Sciences, ISSN 2277-2502, Volume 3, Issue (5), Pages : 65-70.

6. **Blesslin Sheeba T.** and Rangarajan P. (2014), “A Novel NOC Architecture for SoC based Ultra Lightweight Crypto- Processor Using PRESENT and KATAN Algorithm” Research Journal Of Engineering Sciences, ISSN 2278 – 9472, Volume 3, Issue (2), Pages: 6-11.
7. A.Chitra, **T. Blesslin Sheeba**, K.Sangeethalakshmi S.Seshavidya (2014), “FPGA Implementation of Hybrid Reconfigurable Cryptographic Processor” International Journal of Advanced Computer Communications and Control, Vol. 02 , Issue No. 01.
8. B.Muthuvigneshwar, **Blesslin Sheeba T.**(2015), “Implementation of Tiny encryption algorithm for resource constrained environments using labview” International Journal of Applied Engineering Research (IJAER), ISSN 0973-9769, Volume 10, Number 22 (2015), pp.20597-20600.
9. P.Felsis Raja Sofia, **T.Blesslin Sheeba** (2016), “Efficient Hardware Implementation of Led Block Cipher,” International Journal Of Advanced Research In Management, Architecture, Technology & Engineering, ISSN 2454-9762, Volume 2, Special Issue 2, pp 106-109
10. D.S.Bhargava, **T.Blesslin Sheeba**, T.V.Padmavathy, S.Jagadeesh Babu (2019), “Extending Lifespan of the Network using Shortest Path Low Latency Routing Protocol (SPLLR) for Wireless Sensor Networks” International Journal of Innovative Technology and Exploring Engineering, ISSN:2278-3075(Online), volume-9-issue-1s.
11. **T.Blesslin Sheeba**, T.V.Padmavathy, D.S.Bhargava, S.Jagadeesh Babu(2019), “Design of Feeding Techniques for Slotted Rectangular Microstrip Patch Antenna (RSMA)” International Journal of Innovative Technology and Exploring Engineering, ISSN:2278-3075(Online), volume-9-issue-1s.

12. S.Jagadeesh Babu, D.S.Bhargava ,T.V.Padmavathy, **T.Blesslin Sheeba**(2019), “Impeccable Way of Administering Anesthesia Using Brain Wave Sensor” International Journal of Innovative Technology and Exploring Engineering, ISSN:2278-3075(Online), volume-9-issue-1s.
13. T.V.Padmavathy, **T.Blesslin Sheeba**, S.Jagadeesh Babu, D.S.Bhargava(2019), “Identification of an Optimized Network Topology for WSN Based on Reliability and Power Efficiency” International Journal of Innovative Technology and Exploring Engineering, ISSN:2278-3075(Online), volume-9-issue-1s.
14. **T.Blesslin Sheeba**, Vishwa Mohan, Seenu Subramaniyan, Yuvaraj Narasimman, J.Yogapriya (2020) “Conversion of RF waves into Electrical Energy” European Journal of Molecular & Clinical Medicine, Volume 7, Issue 4, Pages 2503-2508.
15. **T. Blesslin Sheeba**, A. Albert Raj,D. Ravikumar,S. Sheeba Rani(2020), “Analysis of Silica based Prosthetic Human Teeth using 3D Printing Machine for Dental Assistance” Materials today proceedings, <https://doi.org/10.1016/j.matpr.2020.11.016>.
16. **Dr.Blesslin Sheeba.T**, Dr.V.Nandagopal, Dr.P.Rajalakshmy, T.Kesavan, Aneesh Kumar.A.G. (2021), “Mercury Detection in Marine Environment using Electrospun Nanofibers as Colorimetric Sensor” IoP conference series: Material Science Engineering, 1084 (2021) 012074IOP Publishingdoi:10.1088/1757-899X/1084/1/012074
17. **Blesslin Sheeba.T** G. Jims John Wesley,V. Kanagaraj,S. Kamatchi,A. Radhika,D.A. Janeera (2021) “Microgrid Optimization and Integration of Renewable Energy Resources: Innovation, Challenges and Prospects” Wiley- Scrivenerbook chapter.
18. **Blesslin Sheeba. T**; T. Sujatha; S.P. Premnath; V. Devi; A. Beno; S. Suma Christal Mary (2021)

“Design of an efficient user interface for Ubiquitous soft Computing environment”, ISBN:978-1-6654-4604-4

19. T. Suresh,Z. Brijet,**T. Blesslin Sheeba** (2021)
“CMVHHO-DKMLC: A Chaotic Multi Verse Harris Hawks optimization(CMV-HHO) algorithm based deep kernel optimized machine learning classifier for medical diagnosis” Elsevier- Biomedical Signal Processing and Control, Volume 70, September 2021, 103034
20. Swetha J, **Dr.T.Blesslin Sheeba**, Swathi S, Swathi Jothinathan, Shravanthi S(2021) “Candidate Recruitment Interface” International Journal of Mechanical Engineering, ISSN: 0974-5823 Vol. 6 No. 3.
21. **T. Blesslin Sheeba**, C. Sharanya, C. Nayanatara, S. K. Indumathi, K. Kalins and G. Ignisha Rajathi (2022) “:Deep learning enabled Smart Charging technology for Electric Vehicles* AIP conference proceedings, Volume 2527, Issue 1 , 10.1063/5.0109161
22. **Blesslin Sheeba T**; T. Manimegalai; S. Ananthi; S. Kamatchi; Anitha G; U. Muthuraman (2022)
“ASVM: Adaboost with SVM-based classifier implementation for Aspect-based opinion mining to appraise products” IEEE Explore,
<https://ieeexplore.ieee.org/document/9850655>.
23. **T. Blesslin Sheeba**, L. D. Vijay Anand, Gunaselvi Manohar, Saravana Selvan,C. Bazil Wilfred,K. Muthukumar,S. Padmavathy,P. Ramesh Kumar,and Belete Tessema Asfa (2022) “Machine Learning Algorithm for Soil Analysis and Classification of Micronutrients in IoT- enabled Automated Farms” Hindawi: Journal of Nanomaterials, Volume 2022 | Article ID 5343965 | <https://doi.org/10.1155/2022/5343965>
24. M. Sujatha,N. Priya,A. Beno,**T. Blesslin Sheeba**,M.

	<p>Manikandan,I. Monica Tresa,P. Subha Hency Jose,Vijayakumar Peroumal, Sojan Palukaran Timothy (2022) “IoT based smart automation system for Industry 4.0 using Robotics and Sensors” Journal of Nano Materials, Hindawi Special Issue, Volume 2022 Article ID 6807585 https://doi.org/10.1155/2022/6807585</p> <p>25. T. Blesslin Sheeba , S.V. Hemanth , V. Devaraj , A. N. Arularasan , M. Gopianand (2023) “Digital Hash Data Encryption for IoT Financial Transactions using Blockchain Security in the Cloud” Journal on Recent and Innovation Trends in Computing and Communication , Volume: 11 Issue: 4s. https://doi.org/10.17762/ijritcc.v11i4s.6316</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : - 4	After Joining RMK :4
Ph.Ds / Projects Guided	Ph.Ds Guided : -	Student Projects Guided : 60
Books Published :	<p>Count : 5</p> <p>1.Microwave Engineering, Charulatha Publication, 2007.</p> <p>2.RF and Microwave Engineering, ISBN:9788193371060, Sruthi Publishers,2017.</p> <p>3. Integration of Renewable Energy Sources with Smart Grid (Book Chapter 11), ISBN : 9781119751908.2021,Scriver Publishing LLC.</p> <p>4. Automotive Embedded Systems (Book Chapter 10), ISBN: 9783030598976, 2021, Springer.</p> <p>5. Electronic Devices and Circuit Theory, ISBN:9789357570022, 2023, Scientific International Publishing House.</p>	
	Published Count :2	Granted Count :-
Patents	<p>List :</p> <p>1. Multisensor Automated Recognition for Remote Sensing Applications</p> <p>2. Internet of Things, Embedded based Cloud- Agent device for Infant mortality Syndrome Observing and Investigation using ML</p>	

Professional Memberships	Count : 4
	List : ISTE IEI IETE ISSE
Consultancy Projects Completed	Count :2
Awards Received	Count :4
	List : ❖ Received “Distinguished Faculty Award” by Alumni of R.M.K Engineering College – 2016. ❖ Received “Appreciation for fostering an ecosystem bridging Government, Industry and Academia” award by Texas Instruments – 2018. ❖ Won First Prize and cash award of Rs. 50,000/- in Smart India Hackathon 2019 – Software Edition. ❖ Received “Best Faculty Award” from Institution of Engineers (India) -2022 ❖ Received “Academic Excellence Award” from Institution of Engineers (India) -2023
Research grants Received	-
Orchid Link / ID	LINK: https://orcid.org/0000-0001-6709-840X ID: 0000-0001-6709-840X
Google Scholar Link / ID	https://scholar.google.com/citations?user=4ajRe-QAAAAJ&hl=en
Vidwan Link / ID	ID : 305293
Research Gate Link / ID	https://www.researchgate.net/profile/Blesslin-Thompson

Scopus Link / ID

[http://www.scopus.com/inward/
authorDetails.url?authorID=56157726800&partnerID=MN8TOARS](http://www.scopus.com/inward/authorDetails.url?authorID=56157726800&partnerID=MN8TOARS)

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