


FACULTY PROFILE

Name of Teaching Staff / RMK ID	K R CHAIRMA LAKSHMI / T0767			
Designation	ASSISTANT PROFESSOR			
Department	ELECTRONICS AND INSTRUMENTATION ENGINEERING			
Date of Joining the Institution	23.05.2013			
Qualifications	M.E.			
Total Experience	Overall : 9 YEARS 9 MONTHS		in RMK : 9 YEARS 9 MONTHS	
Papers Published in Journal	Overall : 12		After Joining RMK : 12	
List of Papers Published	<ol style="list-style-type: none"> 1) Paper titled "<i>Dust Deposition's Effect on Solar Photovoltaic Module Performance: An Experimental Study in India's Tropical Region</i>" is published in Journal of Renewable Materials, Vol.10, No.8, pp. 2133-2153, 2022, DOI: 10.32604/jrm.2022.019649. (Annexure 1 journal, Impact Factor: 1.67) 2) Paper titled "<i>Smart Mirror Information System Using IoT</i>" is published in the Journal of Inventive Computation and Information Technologies, Springer Singapore, 2022, DOI: https://doi.org/10.1007/978-981-16-6723-7_46. 3) Paper titled "<i>Automatic Drainage monitoring and Alert System using IoT</i>" is published in the Journal of Inventive Computation and Information Technologies, Springer Singapore, 2022, DOI: https://doi.org/10.1007/978-981-16-6723-7_55 4) Paper titled "<i>Smart Waste Management Using Internet of Things</i>" is published in Solid State Technology, Vol. 63 No. 5 (2020). 5) Paper titled "<i>Monitoring of Transformer and Generator using IoT</i>" is published in the International Journal of Advanced Science and Technology, Volume 29 No. 9s,2020 Special Issue, http://sersc.org/journals/index.php/IJAST/article/view/16331 6) Paper titled "<i>Border Alert and Life Protection System for Fishermen</i>" is published in Journal of Advanced Engineering Research, Volume 6, Issue 1, 2019, pp.10- 			

	<p>15, 2019.</p> <p>7) Paper titled “<i>Autonomous System for Detection of Defects in Rails by Image</i>” is published in the International Journal of Pure and Applied Mathematics, Volume 117 No. 16, 137-143, 2017.</p> <p>8) Paper titled “<i>Automatic Vehicle Loan Sentry using GSM</i>” is published in the International Journal of Applied Engineering Research (IJAER) , Volume 10, Number 2, 2015.</p> <p>9) Paper titled “<i>Books Detriment Detector Using Digital Image Processing</i>” is published in the International Journal of Applied Engineering Research (IJAER), Volume 10, Number 2, 2015.</p> <p>10) Paper titled “<i>Performance Analysis of Efficiency enhancement Technique for SPVPGS: A Simulation Study</i>” is published in the International Journal of Applied Engineering Research (IJAER), Volume 10, Number 2, 2015.</p> <p>11) Paper titled “<i>Performance Analysis of Efficiency Enrichment Technique for SPVPGS: an Experimental Assessment</i>” is published in Lecture Notes in Electrical Engineering, Springer, volume 326,20 November 2014. https://doi.org/10.1007/978-81-322-2119-7_54.</p> <p>12) Paper titled “<i>Performance analysis of MPPT algorithms for Enhancing Efficiency of SPV Power Generation System</i>” is published in IEEE, on 11 April 2013. DOI: 10.1109/ICEVENT.2013.6496530</p>	
Papers Presented in Conferences (Scopus / WoS indexed only)	Overall : 10	After Joining RMK : 10
Ph.Ds / Projects Guided	Ph.Ds Guided : NIL	Student Projects Guided : 20
Books Published :	Count : NIL	
	List :	
Patents	Published Count : 01	Granted Count : 01

	<p>List :</p> <p><u>Patent Granted:</u></p> <ul style="list-style-type: none"> ❖ Patent granted for the invention titled “<i>Border Alert and Life Protection System for Fishermen</i>”. <i>Application No.: 201741022591; Patent No: 389281</i> <p><u>Patent applied:</u></p> <ul style="list-style-type: none"> ❖ Patent applied in patent office intellectual property building; Chennai titled “<i>Smart Waste Management Using Credit Fetcher</i>”. <i>Application No.: 201941049420</i>
<p>Professional Memberships</p>	<p>Count : 03</p>
	<p>List :</p> <ul style="list-style-type: none"> ❖ Lifetime membership holder in Instrument Society of India-<i>Membership No.:2236</i> ❖ Lifetime membership holder in The Indian Society for Technical Education-<i>Membership No.:105522</i> ❖ Lifetime membership holder in International Society for research and Development-<i>Membership No.:M4150903445</i>
<p>Consultancy Projects Completed</p>	<p>Count : 05</p>
<p>Awards Received</p>	<p>Count : 03</p>
	<p>List :</p> <ul style="list-style-type: none"> ❖ Won the third position in AICTE-ECI-ISTE Chhatra Vishwakarma Awards-2018 by presenting an innovative solution and prototype “<i>Smart waste management system using IoT</i>” under the theme of Empowerment of Villages through Technologies organized by All India Council for Technical Education (AICTE), in association with the Ministry of Human Resource Development, Govt. of India, Engineering Council of India (ECI), and the Indian Society for Technical Education (ISTE) from 20 – 21 January 2019. ❖ Awarded “<i>OUTSTANDING CONTRIBUTION IN REVIEWING</i>” by SOLAR ENERGY in cooperation with ISES (INTERNATIONAL SOLAR ENERGY SOCIETY) in June 2017. ❖ Certified as “<i>CERTIFICATE OF REVIEWING</i>” by SOLAR ENERGY in cooperation with ISES (INTERNATIONAL SOLAR ENERGY SOCIETY) on May 2016.

Research grants Received	01
Orchid Link / ID	ID : 0000-0002-1221-8432
Google Scholar Link / ID	ID : z9X8FdMAAAAJ
Vidwan Link / ID	ID : 305230
Research Gate Link / ID	https://www.researchgate.net/profile/Chairma-Lakshmi
Scopus Link / ID	ID : 55662363000