

<b>FACULTY PROFILE FORMAT (Format 3)</b>		
<b>Staff Name</b>	:	Dr.K.Ramachandra Reddy
<b>Faculty ID</b>	:	TEC33
<b>Designation</b>	:	Assistant Professor
<b>Qualification</b>	:	M.E, Ph.D
<b>Teaching Experience</b>	:	15 years and 4 months
<b>Area of Specialization</b>	:	Optical Signal Processing Optical Networks
<b>Subjects Handled</b>	:	Signals and Systems Circuit Analysis Digital Signal Processing Digital Electronics Digital System Design Digital Principles and system Design Digital Logic Circuits Communication Engineering Electron Devices and Circuits Electronic Circuits
<b>Books Published</b>	:	-
<b>Journals Published</b>	:	<p>1."Performance analysis of coherent free-space optics transmission link using in-phase quadrature modulator-based polarization multiplexed-256-quadrature amplitude modulation". Transactions on Emerging Telecommunications Technologies, 2021-09. DOI: 10.1002/ett.4262</p> <p>2. "Performance study of randomly coupled erbium-doped fiber amplifier using machine learning". Optical Engineering, 2021-07-07. DOI: 10.1117/1.oe.60.7.076101</p> <p>3. "Green channel DWDM design using optimized CFBG" OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, May-jun 2022.</p>
<b>Conference /Workshop Attended</b>	:	1.One day workshop on ORCAD-PSPICE at B.S.Abdur Rahman University in July 2015.

		<p>2.Three-day Pedagogy Workshop on Building an Online Signals and Systems Course Part I' 28 th NOV to 30th NOV conducted by IIT Bombay.</p> <p>3.Two day workshop "CYBER SECURITY" organised by School of Information Technology, JNTUH under TEQIP - III on 29th &amp; 30th January, 2021.</p> <p>4.Two day workshop on Advances in Optical Communication organised by IIT Madras under the aegis of the Department of Telecommunications from July 22nd–23rd, 2023.</p>
<b>Patent Details</b>	:	<ol style="list-style-type: none"> <li>1. “CHRONO-SEMANTIC WEAVING A SYSTEM FOR DYNAMIC NARRATIVE GENERATION WITH SELF-ADJUSTING TIMELINES”</li> <li>2. “IDENTIFYING THE LANGUAGE PRESENT IN TEXT OR IMAGE USING VISUAL FEATURES TRAINING MODEL”</li> </ol>
<b>Funded Project Details</b>		-