



**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana-500076. www.cbit.ac.in



### Information related to the Research activities taken up by the Research Co-ordinators

#### ECE Department

S.No.	Name of the Faculty	Period		Research activities taken up during the tenure	Proposed Targets
		From	To		
1.	Dr.A.Supraja Reddy Assoc.Prof., ECE	Jan 2020	Till date	<ul style="list-style-type: none"> <li>Created Research Domains for department, Research Profiles of the faculty, Departmental research database for publications, proposals, patents, NCRC Lab brochures.</li> <li>Information sharing and aid to faculty in project proposal submissions.</li> <li>Selection of Best student projects, institute funded projects in coordination with project coordinators.</li> <li>Policy making and selection of best student researcher for Dr.V.M.Rao Research Award.</li> </ul> <p><b>Personal Contributions:</b></p> <ul style="list-style-type: none"> <li>PI of project sponsored by SAC, ISRO under NavIC-GAGAN Utilization Program during Apr2017-Oct2020. (Funding 19.27 lacs)</li> <li>Published One Journal Paper (CBIT listed Publisher) and Five IEEE Conference</li> </ul>	<p>--</p> <ul style="list-style-type: none"> <li>Encourage faculty to publish in CBIT listed publisher Journals.</li> <li>Strive for creation of additional research facilities.</li> <li>Facilitate effective usage of research facilities by our students and staff for research purposes.</li> <li>Create awareness and encourage faculty to submit research proposals to various funding agencies</li> </ul>

				<p>papers.</p> <ul style="list-style-type: none"> <li>• In-charge of Navigation and Communication Research Laboratory, an Industry supported lab in the department.</li> <li>• Focal Person for establishment of Automatic Weather Station in CBIT Campus by NARL, Gadanki, Tirupati.</li> <li>• Summary of proposals submitted to various funding agencies <ul style="list-style-type: none"> <li>• 2020: 04</li> <li>• 2021: 03</li> <li>• 2022: 04</li> </ul> </li> <li>• Elected as <b>Fellow Life member of IETE</b></li> </ul>	
2	Dr.Vinodh Kumar Minchula Assoc.Prof., ECE	July 2021	Till Date	<ul style="list-style-type: none"> <li>• Created Research Domains for department, Research Profiles of the faculty, Departmental research database for publications, proposals, patents, NCRC Lab brochures.</li> <li>• Weekly Faculty contributions data updates.</li> <li>• Talk and Knowledge sharing on creation and updating the various research domains – Orcid, Publon, Scopus, Research Gate, etc.</li> <li>• Know-how/Demonstration on the various Q1-Q4 journal lists and search methodologies.</li> <li>• Information sharing and aid to faculty in project proposal submissions.</li> <li>• Discussions with students on various possible research domains, openings, fellowships/ funding/ grants.</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage faculty to publish in CBIT listed publisher Journals.</li> <li>• Strive for creation of additional research facilities.</li> <li>• Facilitate effective usage of research facilities by our students and staff for research purposes.</li> <li>• Create awareness and encourage faculty to submit research proposals to various funding agencies</li> </ul>

				<ul style="list-style-type: none"> <li>• NAAC Criteria 3.5 (Consultancy services) Core committee.</li> <li>• Selection of Best student projects in coordination with project coordinators.</li> <li>• Policy making and selection of best student researcher for Dr.V.M.Rao Research Award.</li> </ul> <p><b><u>Personal Contributions:</u></b></p> <ul style="list-style-type: none"> <li>• Elevated as <b>Sr. Member IEEE</b></li> <li>• Elected as <b>Fellow Life member of IETE</b></li> <li>• Received International Scholarship Award Japan-East Asia Network of Exchange for Students and Youths (<b>JENESYS</b>) - 2021 program from <b>Ministry of Foreign Affairs Japan</b> in year 2022.</li> <li>• Received <b>Best Paper Award</b> for my research paper titled " Analysis of Spatial Antenna Correlated Channel Effects for MIMO system capacity " presented in AICTE sponsored International Conference ICAESCT 2022 Nov 2022.</li> <li>• Presented a paper in 5<sup>th</sup> International Springer conference VCAS 2022 by MNIT Allahabad, in Oct 2022.</li> <li>• Participated virtually in three flagship conferences as a young professional member of IEEE COMSOC</li> <li>• IEEE Global Communications Conference (<b>GLOBECOM-2021</b>)</li> <li>• IEEE International Conference on Communications (<b>ICC-2021 &amp; ICC 2022</b>)</li> </ul>	
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				<ul style="list-style-type: none"> <li>• Published <b>Two book chapter</b> titled</li> <li>• "<b>Performance analysis of Multiple Antenna Systems with New Capacity Improvement Algorithm for MIMO based 4G/5G Systems</b>" in Book title- "<b>Antenna Systems</b>"</li> <li>• "<b>Investigation of SAC Channel Effects on MIMO System Capacity and Optimal coherence distance estimation under different Angular Dispersions for Next-Gen Networks</b>", Book title- "<b>5G and 6G Enhanced Broadband Communications</b>", Book will be sent for evaluation and coverage in the BKCI WoS Core Collection.</li> <li>• Published 5 Journal papers one in Q1 SCIE MDPI, Q2 SCI Springer Q4 Scopus Journal, another one is Thomson Reuters Indexed (ISI) Journal and other one in UGC care Journal.</li> <li>• Three papers are in review with Q1/Q2 SCI/Scopus CBIT Listed journal.</li> <li>• Nominated as <b>Vice President (2<sup>nd</sup> Time)</b> for Toyama Sakura Club of Andhra University jointly formed by <b>Toyama prefecture, Japan &amp; Andhra University</b>, Andhra Pradesh, INDIA in 2022</li> <li>• Attended <b>30</b> webinars, <b>4</b> workshops, <b>3</b> FDPs, <b>2</b> AICTE-STTPS, <b>1</b> IEEE SPS Seasonal School, <b>1</b> IEEE Sparklers Summit 2021, <b>1</b> Asia Tech x Singapore (ATxSG) flagship Tech event, <b>1</b> Keysight virtual 5G Innovations Industrial event, <b>1</b> AWS Village at Mobile World Congress event, <b>Alumnus meet</b> by Sakura Science</li> </ul>	
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				<p>Club of Japan Science &amp; Technology, Japan &amp; AFS Alumnus Team.</p> <ul style="list-style-type: none"> <li>• Summary of proposals submitted to various funding agencies</li> <li>• 2021: 02(CRG &amp; RCI-DRDO)</li> <li>• 2022: 07 (SRG, SERB FIRE, SERB SURE, ISRO NAVIC Phase II)</li> </ul>	
1	Dr. M. Bhanu Chandra Asst.Prof., ECE	March, 2022	Nov. 2022	<ul style="list-style-type: none"> <li>• Research Domains for department and meets to discuss the current areas of research of each domains, so that new proposal ideations may be formulated.</li> <li>• Research Profiles of the faculty in specific formats to facilitate showcase and exhibit to potential consultancy sources and govt. agencies.</li> <li>• Departmental research database for publications, proposals, patents.</li> <li>• R&amp;D and Research Lab brochures.</li> <li>• Weekly Faculty contributions data updates.</li> <li>• Talk and Knowledge sharing on creation and updating the various research domains – Orcid, Publon, Scopus, Research Gate, etc.</li> <li>• Know-how/Demonstration on the various Q1-Q4 journal lists and search methodologies.</li> <li>• Aid to faculty in project proposal submissions to first timers.</li> <li>• Discussions with students on various possible research domains, openings, fellowships/ funding/ grants.</li> <li>• Information sharing on the various proposal funding agencies - DST, SERB, DBT, DRDO, ISRO, CSIR, UGC, AICTE, ICMR, BIRAC, MNRE, MEITY, MoEFCC, Start-Up India, TSIC, Erasmus, Marie-</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage faculty to publish in CBIT listed publisher Journals.</li> <li>• Strive for creation of additional research facilities.</li> <li>• Facilitate effective usage of research facilities by our students and staff for research purposes.</li> <li>• Create awareness and encourage faculty to submit research proposals to various funding agencies</li> <li>• Conduct central level meets to create inter/cross-disciplinary research discussions, proposal writings, research works and products. This would slowly create a research environment and interest.</li> <li>• 2 High-Impact SCI publications.</li> </ul>

				<p>Curie, Banting, DAAD, NSF, etc.</p> <ul style="list-style-type: none"> <li>• NAAC Criteria Extension activities 3.6.1-3.6.4 Core committee.</li> <li>• Selection of Best student projects in coordination with project coordinators.</li> <li>• Policy making and selection of best student researcher for Dr.V.M.Rao Research Award.</li> </ul> <p>• <b><u>Personal Contributions:</u></b></p> <ul style="list-style-type: none"> <li>• DST SERB CRG project worth Rs. 56.3 Lakhs.</li> <li>• Established Green Opto Nano energy Lab.</li> <li>• 1 Article, 1 Book Chapter, 1 Patent filed (Outcomes of Project work).</li> <li>• Collaborative Works under review – 2</li> <li>• 1 Start-Up idea pre-incubation awarded with TSIC and Make-Room India.</li> </ul> <p>8 Proposals submissions: 3 ideation proposals and 5 Sponsored project proposals.</p>	<ul style="list-style-type: none"> <li>• 1 Patent</li> <li>• Student inclusion in research project works.</li> </ul>
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