





## Research Group

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|    | <p><b>Mr. Ramaswamy Pandian</b> (Part Time External)<br/>Scientist, NPOL Kochi<br/>Area of interest: Embedded systems for naval applications<br/>e-mail: <a href="mailto:pandiansr67@gmail.com">pandiansr67@gmail.com</a></p> |
|    | <p><b>Mr. Aabel P</b><br/>Area of interest: Compound semiconductor materials for solar cell application<br/>e-mail: <a href="mailto:aabelsuraj@gmail.com">aabelsuraj@gmail.com</a></p>  |
|   | <p><b>Mr. John Paul</b><br/>Area of interest: Metal oxide nanostructures for solar energy harnessing.<br/>e-mail: <a href="mailto:johnpky@gmail.com">johnpky@gmail.com</a></p>  |
|  | <p><b>Mr. Neju Mathew Philip</b><br/>Area of interest: TMDC thin films for energy applications<br/>e-mail: <a href="mailto:nejumathew@gmail.com">nejumathew@gmail.com</a></p>   |



**Mr. Aravind N**

Area of interest: Earth Abundant Solar cell Materials

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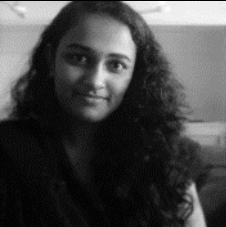
**Mr. Nidheesh Kumar B** (Part-time External)

VSSC Thiruvananthapuram

Area of interest: Terahertz NDT

## Alumni

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|   | <p><b>Dr. T. Prasad Rao</b><br/>Post Doctoral Researcher, Wayne State University USA<br/>Thesis: <i>Preparation and Characterization of n-type and p-type ZnO Thin Films for Optoelectronic Applications</i> (2011)</p>   |
|   | <p><b>Dr. Swapna Ramella</b><br/>Associate Professor, Avanthi Institute of Engineering &amp; Technology Vizag<br/>Thesis: <i>Investigations on preparation and properties of various n-type and p-type ZnO thin films and fabrication of p-n homojunctions</i> (2014)</p> |
|   | <p><b>Dr. R. Amiruddin</b><br/>Assistant Professor, Crescent University Chennai<br/>Thesis: <i>Aqueous chemical growth of ZnO nanowires and fabrication of high speed ultraviolet photodiodes</i> (2017)</p>  |
|  | <p><b>Dr. T. Srinivasa Reddy</b><br/>Assistant Professor, PBS College of Arts and Science Vijayawada<br/>Thesis: <i>Deposition and characterization of tin sulfide and copper tin sulfide thin films-prospective absorber layers for solar cells</i> (2018)</p>           |

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|    | <p><b>Dr. Saheer Cheemadan</b><br/> MAMO College Manassery, Calicut, Kerala<br/> Thesis: <i>Deposition and Characterization of NiO thin films by RF magnetron sputtering and fabrication of p-NiO/p-CuO/n-CdO: ZnO heterojunctions</i> (2019)</p>                          |
|    | <p><b>Dr. B. Hemanth Kumar</b><br/> Post-doctoral fellow, National Taiwan University of Science and Technology<br/> Thesis: <i>Deposition and Characterization of Indium Sulfide and and Copper Antimony Sulfide Thin Films for Optoelectronic Applications</i> (2020)</p> |
|    | <p><b>Dr. Edwin Jose</b><br/> Assistant Professor, Christ College Irinjalakuda, Kerala<br/> Thesis: <i>A STUDY ON THE SILAR DEPOSITION OF Cu-Zn-S THIN FILMS AND ITS APPLICATION AS HOLE TRANSPORT LAYER IN ORGANIC SOLAR CELLS</i> (2021)</p>                             |
|  | <p><b>Dr. Devika Mahesh</b><br/> Thesis: <i>An investigation on the effect of doping and seed layer morphology on the growth, properties and photocatalytic activity of 1D ZnO nanorods</i> (2022)<br/> e-mail: <i>devikamahesh72@gmail.com</i></p>                        |



**Girish N. Namboothiri (Part Time)**

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Thesis: Investigations on the Detection of Sealed Low-density Materials using Thermal Neutron Radiography and 3D X-ray Computed Tomography (2022)

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**Sai Guru Srinivasan S**

Thesis: Deposition of  $\text{Cu}_2\text{O}$  and  $\text{CuO}$  thin films by reactive sputtering for heterojunction devices, resistive random access memory and photocatalysis (2022)

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