

List of proposals under TDAP shortlisted to the second phase of evaluation

| Sl No. | Title of the Project | Name and designation of the PI |
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| 1. | Design and prototype development of pi bed - patient proner, positioner with torso turner and patient transfer system | Dr. Smita V., Additional Professor, Division of Neuroanaesthesia, Department of Anaesthesiology, SCTIMST |
| 2. | Development of low-cost wearable automatic cardio pulmonary resuscitation (CPR) device for cardiac arrest management | Rahul G. Nath, Senior research fellow, Division of Clinical Engineering, SCTIMST |
| 3. | Studies on the distortion and residual stresses in dissimilar weld joint between ferritic-martensitic and austenitic steels, incorporating the effects of solid state phase transformation | Jayadeep U. B., Assistant Professor, Department of Mechanical Engineering, NIT Calicut |
| 4. | Design and cost optimization self-operated manual backrest | Arun S. Chandran, Technical Manager, Creativiti Council, Kariattukara |
| 5. | Development of Smart Textiles by Dual finishing of Bioactive metabolites from endophytic actinobacteria and Green Synthesized Metal-Nanoparticles with Multi-functional properties | Dr. A. Reshma, Assistant Professor, Department of Biotechnology, Mercy College, Palakkad |
| 6. | Recycled Ultra Fuel Efficient Vehicle with Unique Battery Cooling and Drowsiness Detection System | Dr. Anish K. John, Assistant Professor, Department of Mechanical Engineering, Government Engineering College Barton Hill |
| 7. | Development and bulk production optimization of waste cooking oil based bio-lubricant for industrial application | Ananthan D. Thampi Technical head, Thejas Research and Sustainable Solutions, TBI-CET |

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| 8. | A Cost Effective Smart Braille Printer | Dr. Beena A. O., Associate Professor, Department of Electronics, Saintgits College of Engineering (Autonomous), Kottayam |
| 9. | Magnetic field assisted additive manufacturing technology for the development of EMI shielding materials | Dr. Subodh G., Assistant Professor, Department of Physics, University of Kerala, Kariavattom |
| 10. | Development of bio-safe mosquito repellent formulation by the exploitation of a repellent plant species against the most deleterious mosquitoes | Dr. Radha R. K., Senior Scientist, KSCSTE-Jawaharlal Nehru Tropical Botanic Garden & Research Institute , Palode |