

**HINDUSTHAN INSTITUTE OF TECHNOLOGY, COIMBATORE-32****RESEARCH PROPOSAL****SEED MONEY SCHEME-2023-24****Selected list**

S NO	DEPT	NAME OF THE PI & CO-PI	TITLE OF THE PROPOSAL	AMOUNT In Rs
1.	AERO	Mr.M.Moses Devaprasanna Mr.V.Ganesan	Design and Development of Demonstrative Prototype for Thermoacoustic Energy Conversion	130000
2.	MECH	Mr. J. Dixon Jim Joseph Mr.M.Viswanath	Experimental analysis and Training on Various materials in 3D Printer	150000
3.		Mr.R. Selvendran Mr.K V Ganesh Kumar	Design, Development and Analysis of Emission Control Chamber Towards CO2 Recovery	150000
4.	CSE	Dr.D.Jayasutha	Monitoring the Progress of Labour from Remote area using Medical IoT	190000
5.		Dr.R.Senthilkumar Mr.M.Devendran	Robotic Companies in Healthcare: Investigate the role of Humanoid Robots in Augmenting Patient Well being	175000
6.	S & H	Dr.V. Anbumannan	ZnO nanoparticles-based tubular reactor for dye wastewater degraation under sunlight	150000
7.		Dr.P.Saraswathi	Preparation and Characterization of a Chitosan Modified Composite for Photocatalytic Degradation of Industrial Wastewater	150000

8.		Mrs.J.Shoba Dr.K.Sakthivel	A Facile Approach to Synthesize Metal Decorated Multi Walled Carbon Nano Tubes	150000
9.	ECE	Dr.S.Kavitha Mr.K R Kannan	Solar Powered Napkin Dispensor for Rural Government Girls School	150000
10.		Mr.A.Abdul Hayum Mr.A.Vidhyasekar Mr.R.Karuppusamy	ACL Injury Smart Indicator Using IoT for Athletes	160000
11.		Mrs. S.Kowsalya	Low Cost Novel Solar Chargers	150000
12.		Mrs.K.Kalpana	Low Cost hand held Reading and Writing Device for Visually Impaired People	170000
13.		Mr.R.Karuppusamy Mr.A.Vidhyasekar Mr.A.Abdul Hayum	Multifunctional Smart Robot for Military Applications	150000
14.		Dr.K.Mahendran Dr.A.Purushothaman	Improvement of Monitoring and Regulatory system for Cardiorespiratory signals using sensors and IoT based Technique	150000
<b>Total</b> ( Twenty One Lakhs Seventy Five Thousand Only)				2175000

*B. Paulchamy 22.09.2023*  
**RESEARCH COORDINATOR**  
**Dr. B. PAULCHAMY, M.E., Ph.D.,**  
 Professor & Head  
 Department of ECE  
 Hindusthan Institute of Technology  
 Coimbatore - 641 032.

*C. Natarajan 22.09.23*  
**PRINCIPAL**  
**Dr. C. Natarajan, ME.Ph.D.,**  
**PRINCIPAL**  
 Hindusthan Institute of Technology  
 Coimbatore - 641 032.