



## **K.S. INSTITUTE OF TECHNOLOGY DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING PRODUCT DEVELOPMENT**

The ECE department has an R & D Centre affiliated by Visveswaraya Technological University (VTU). The department constantly encourages the products/prototypes developed by the students as part of their mini projects and main projects. Following are the details of the products development activities:

1. The project "Smart Wireless Emergency Pendant" under the guidance of Dr. Dinesh Kumar D S has been provided with financial support of Rs. 34,000 for development by Karnataka State Council for Science and Technology in association with ART-Park( AI & Robotics Park), IISc during the year 2023-24
- 2 The project "Bionic Arm "under the guidance of Mr. Praveen A has been selected for State level Poster presentation & Exhibition to be held at Sharnbasva University,Kalburgi on 9<sup>th</sup> and 10<sup>th</sup> August 2024 under 47<sup>th</sup> series of Student Project Programme (SPP):2023-24



## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012  
 Website: [www.kscst.org.in](http://www.kscst.org.in), <https://kscst.karnataka.gov.in> || Email: [spp@kscst.org.in](mailto:spp@kscst.org.in) || Tel: 080-2334 1652,2334 8848/49/40

### 47<sup>th</sup> series of Student Project Programme (SPP): 2023-24

#### List of Student Project Proposals Approved for Sponsorship

788.	47S_BE_4605	SMART REAL TIME DRAINAGE MONITORING SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. P. N. SUDHA	Mr. SUMUKHA S. Mr. RAHUL KRISHNAN V. Mr. TARUN PRASANNA Mr. TEJAS N. REDDY	5,000.00
789.	47S_BE_4703	SMART WIRELESS EMERGENCY PENDANT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. DINESH KUMAR D. S.	Ms. AFEEFA SHARIEFF Ms. ERAM FATHIMA Ms. MADIHA	5,500.00
790.	47S_BE_5175	DESIGN & FABRICATION OF ADAPTIVE DRIVING ATTACHEMENT TO AN EXISTING FOUR-WHEELER VEHICLE TO HELP DIFFERENTLY ABLED PERSON	B.E.	MECHANICAL ENGINEERING	Dr. NIRMALA L.	Mr. SHREYAS S. K. Mr. HARYANK V. KASHYAP	7,000.00

**Note:** The project highlighted in grey is funded by AI & Robotics Technology Park (ART-Park), IISc. The fund for these projects has been released separately to the institution. Please ensure that the utilization certificate for these funds is submitted separately and acknowledged in the Project Completion Report.

*Transaction Details:*

	NAME OF THE ACCOUNT HODLER	DATE OF TRANSACTION	TRANCTION DETAILS	AMOUNT
KSCST Sponsorship	K.S. INSTITUTE OF TECHNOLOGY, BENGALURU	28-05-2024	NEFT Dr-P149240325299394-K S INSTITUTE OF TECHNOLOGY-UTIB0001513	28,500
ART PARK sponsorship		05-06-2024	AMT TRFD TO ACTS WITH REFERENCE NIMBER 36522273421DC	5,500



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## 47<sup>th</sup> series of Student Project Programme (SPP): 2023-24

List of Projects Selected for State Level Poster Presentation and Exhibition to be held at Sharnbasva University, Kalaburagi on  
9<sup>th</sup> and 10<sup>th</sup> August 2024

### 73. K.S. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SELECTED FOR
178.	47S_BE_2235	BIONIC ARM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. PRAVEEN A. Mr. B. SUDARSHAN	Ms. HIMA SWETHA Ms. B. S. HEMASHREE Ms. BHUNVESHWARI K. Ms. CHAITHRA K.	EXHIBITION
179.	47S_BE_5175	DESIGN & FABRICATION OF ADAPTIVE DRIVING ATTACHEMENT TO AN EXISTING FOUR-WHEELER VEHICLE TO HELP DIFFERENTLY ABLED PERSON	B.E.	MECHANICAL ENGINEERING	Dr. NIRMALA L.	Mr. SHREYAS S. K. Mr. HARYANK V. KASHYAP	EXHIBITION





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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**PRODUCT DEVELOPMENT**

The ECE department has an R & D Centre affiliated by Visveswaraya Technological University (VTU). Apart from the products/prototypes developed by the students as part of their mini projects and main projects, the faculty members of the department are collaborating with organizations like IIIT Hyderabad, IIIT Bangalore, Mitara consulting services, Acsia Technologies (P) Ltd. and many more for product development. Following are the details of the products developed by the department faculty:

<b>Sl.No.</b>	<b>Faculty Name</b>	<b>Product Name</b>
1	Dr Joy Prabhakaran	Enhanced Processing of field images for tele-screening of ROP (Retinopathy of Prematurity)
2	Dr Joy Prabhakaran	Analysis of internet video quality (software)
3	Dr Joy Prabhakaran	CCIngest- Method and System for Content and Consumption Aware, Adaptive Bitrate Streaming of Videos Patent Application No.: 201841001030