

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

LIST OF PROJECT PROPOSALS RECOMMENDED FOR FUNDING SUPPORT AFTER ONE-TO-ONE INTERTACTION HELD ON 3RD FEBRUARY 2023 WITH PI'S, Co-PI's and INSTITUTION HEAD - PROPOSALS RECEIVED UNDER SCIENCE, TECHNOLOGY AND INNOVATION (STI) INTERVENTIONS IN THE STATE: 2022 – 23

Sl. No	PROPOSAL REFERENCE No.	PROJECT PROPOSAL TITLE	NAME OF THE COLLEGE / INSTITUTION	DEPARTMENT / BRANCH	NAME OF THE INVESTIGATOR (S)	DURATION OF THE PROJECT (in months)	TOTAL BUDGET RECOMMENDED
1.	STI_110	BIOPLASTICS WITH NANOFILLERS FOR SUSTAINABLE FOOD PACKAGING	CAMBRIDGE INSTITUTE OF TECHNOLOGY, BENGALURU	MECHANICAL ENGINEERING	DR. SUDHA JOSEPH Dr. RAVISHANKAR	12	4,24,500
2.	STI_261	ELICITATION OF NATURAL OILS IN PLANTS WITH LARVICIDAL AND MOSQUITO REPELLENT PROPERTIES AND FORMULATION AND EVALUATION OF NOVEL MOSQUITO REPELLENT PRODUCTS.	KRISTU JAYANTI COLLEGE AUTONOMOUS, BENGALURU	LIFE SCIENCES	DR. SHINOMOL GEORGE K DR. INDIRA M N DR. MALATHI R	12	5,00,000
3.	STI_274	STUDY OF SUPERSONIC JETS USING PASSIVE CONTROL METHODS	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODUBIDIRE	AERONAUTICAL ENGINEERING	EZHILMARAN G DR. ANAND S N	12	4,97,000
4.	STI_226	AUTONOMOUS ELECTRIC – KART	J.S.S. ACADEMY OF TECHNICAL EDUCATION, BENGALURU	ELECTRONICS AND COMMUNICATION ENGINEERING	MANOHAR B S DR. DAYANANDA P MR. KOUSIK S	12	4,74,000
5.	STI_048	LAPKIT – DESIGN OF A LOW-COST RASPBERRY PI BASED LAPTOP AND ELECTRONICS KIT FOR RURAL STUDENTS	B.M.S. COLLEGE OF ENGINEERING, BENGALURU	COMPUTER SCIENCE AND ENGINEERING	DR. KAYARVIZHY N DR. NIRANJAN K R	12	4,95,000
6.	STI_411	IOT BASED SMART SYSTEM FOR MONITORING AND CONTROL OF IV (INRAVENOUS) FLUIDS FOR PATIENTS	REVA UNIVERSITY, BENGALURU	COMPUTER SCIENCE AND ENGINEERING	DR. N. P. NETHRAVATHI DR. ASHWINKUMAR U MOTAGI DR. NAGASHREE N	12	2,90,000

7.	STI_368	DEVELOPING INTERACTIVE DIGITAL GAMES FOR IMPROVING THE FOUNDATIONAL NUMERICAL SKILLS AMONG PRIMARY SCHOOL CHILDREN IN KARNATAKA	RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU	INFORMATION SCIENCE AND ENGINEERING	DR KRISHNA RAJ P M JAGADEESH SAI D	12	4,61,000
8.	STI_012	DESIGN AND DEVELOPMENT OF MOBILE APP CONTROLLED INTERCHANGEABLE AXIS (HORIZONTALVERTICAL) CENTRIFUGAL CASTING MACHINE TO PRODUCE FUNCTIONAL GRADED COMPOSITES	ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU	MECHATRONICS ENGINEERING	DR. DEVARAJIAH R M MR. NAVEEN KUMAR S N	12	3,84,000
9.	STI_208	INNOVATIVE SCIENCE-BASED STANDARDIZATION OF TRIBAL FOOD AND BEVERAGE PRODUCTS TO DEVELOP THE TRIBAL TOURISM ENTREPRENEURSHIP MODEL AND COSTEFFECTIVE TECHNOLOGY-BASED INFORMATION REPOSITORY.	GARDEN CITY UNIVERSITY, BENGALURU	HOSPITALITY AND CATERING TECHNOLOGY	DR. SUDHAGAR D P DR KIRANKUMAR SHIVASHARANAPPA	6	1,26,500
10.	STI_442	DESIGN AND DEVELOPMENT OF LOW-COST HANDY MECHANICAL VENTILATOR FOR RESPIRATORY RELATED AILMENTS	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	ELECTRONICS AND COMMUNICATION ENGINEERING	DR. P SUDIR DR. MALLARADHYA H. M.	12	2,75,000
11.	STI_443	HIGH PERFORMANCE BATTERIES FROM REUTILIZED TRASH METAL JUNK FOR PORATBLE ELECTRONIC APPLICATIONS: DESIGN, SURFACE ENGINEERING AND FABRICATION	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	ELECTRONICS AND COMMUNICATION ENGINEERING	DR. PRANJALA TIWARI DR. B.N. SHOBHA	10	4,19,000
						Total	43,46,000