



CHILDREN'S EDUCATION SOCIETY (Regd.)

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# THE OXFORD COLLEGE OF ENGINEERING

[Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by A.I.C.T.E., New Delhi, Accredited by NAAC & NBA New Delhi and Recognized by UGC under section 2(f)]

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## List of shortlisted proposal for sanctioning of Institutional Seed Money

The Oxford College of Engineering promotes Research Culture among faculty and students. To facilitate this, Institute encourages faculty / students to submit innovative ideas in their expertise domain for financial assistance under Institutional Seed Money Scheme in line with Research Promotion Policy 2022-23. Interested faculty / students have submitted their Innovative ideas in the form of project proposal in the prescribed format to the R & D Committee which was scrutinized based on novelty, innovativeness and economic viability. The shortlisted proposals are forwarded for final approval. During the academic year 2022-23, 65 research proposals were submitted for financial assistance under Institution Seed money scheme. Out of which 33 Innovative projects were shortlisted for financial assistance. The list is enclosed herewith for your kind consideration.

Name of the faculty investigator(s)	Title of the project	Year of sanction	Amount of Seed Funding awarded (in INR)
MECHATRONICS	ROBOTIC ARM (GESTURE CONTROL)	2022	12500
MECHATRONICS	SMART HELMET	2022	11500
INFORMATION SCIENCE ENGINEERING	ASSISTANT VEHICLE FOR ELDERLY PEOPLE USING ZERO UI TECHNOLOGY	2022	15000
INFORMATION SCIENCE ENGINEERING	LOW COST WIRELESS FOOTWEAR SYSTEM FOR MONITORING DIABETIC FOOT PATIENT	2022	9000

<b>INFORMATION SCIENCE ENGINEERING</b>	<b>DESIGN AND FABRICATION OF MEDICINE DELIVERY ROBOTS</b>	<b>2022</b>	<b>5000</b>
<b>INFORMATION SCIENCE ENGINEERING</b>	<b>INTELLIGENCE SURVEILLANCE PATROLLING DRONE</b>	<b>2022</b>	<b>9000</b>
<b>MECHANICAL ENGINEERING</b>	<b>DESIGN AND DEVELOPMENT OF 3D PRINTED BITE FORCE MONITORING DEVICE FOR DENTAL APPLICATION</b>	<b>2022</b>	<b>10000</b>
<b>MECHANICAL ENGINEERING</b>	<b>DESIGN AND FABRICATION OF PORTABLE MECHANICAL VENTILATOR FOR MEDICAL APPLICATION</b>	<b>2022</b>	<b>12000</b>
<b>MECHANICAL ENGINEERING</b>	<b>DESIGN AND FABRICATION OF CARBONDIOXIDE RECOVERY SYSTEM FOR DOMESTIC AND AUTOMOBILE APPLICATIONS</b>	<b>2022</b>	<b>14000</b>
<b>MECHANICAL ENGINEERING</b>	<b>REAL TIME PRESSURE MONITORING SYSTEM USING FBG SENSOR FOR SPORTS AND REHABILITATION APPLICATIONS</b>	<b>2022</b>	<b>10000</b>
<b>MECHANICAL ENGINEERING</b>	<b>DESIGN AND REALIZATION OF 3D PRINTED PULSE MONITORING PROBE.</b>	<b>2022</b>	<b>10000</b>
<b>ELECTRONICS &amp; COMMUNICATION</b>	<b>INTEGRATION OF MULTIPLE BANK CARDS INTO SINGLE, SMART AND SECURE CARD</b>	<b>2022</b>	<b>5000</b>
<b>ELECTRONICS &amp; COMMUNICATION</b>	<b>HAND BALANCE MONITORING SYSTEM FOR MEASURING AMOUNT OF DISORDERNESS IN STROKE PATIENT</b>	<b>2022</b>	<b>9500</b>
<b>ELECTRONICS &amp; COMMUNICATION</b>	<b>EXPERIMENTAL MEASUREMENT OF LIMB IMPAIRMENT FOR PATIENTS USING SENSORS</b>	<b>2022</b>	<b>8000</b>
<b>ELECTRONICS &amp; COMMUNICATION</b>	<b>FOOD SPOILAGE PREDICTION AND QUALITY MONITORING SYSTEM USING IOT</b>	<b>2022</b>	<b>6750</b>



<b>ELECTRONICS &amp; COMMUNICATION</b>	<b>SMART SECURITY AND HOME ASSISTIVE DEVICE FOR PHYSICALLY CHALLENGED AND AGED PEOPLE</b>	<b>2022</b>	<b>8500</b>
<b>ELECTRONICS &amp; COMMUNICATION</b>	<b>A SMART ASSISTIVE DEVICE FOR QUADRIPLEGIC PATIENTS</b>	<b>2022</b>	<b>20000</b>
<b>ELECTRONICS &amp; COMMUNICATION</b>	<b>HUMAN DETECTION ROBOT FOR DISASTER MANAGEMENT</b>	<b>2022</b>	<b>8800</b>
<b>COMPUTER SCIENCE ENGINEERING</b>	<b>SMART LOCK USING FACIAL DETECTION</b>	<b>2022</b>	<b>27572</b>
<b>COMPUTER SCIENCE ENGINEERING</b>	<b>SMART STICK FOR TRAMMELS</b>	<b>2022</b>	<b>11742</b>
<b>COMPUTER SCIENCE ENGINEERING</b>	<b>IOT BASED ADULTERATION DETECTION AND PESTICIDE SPRAYING USING ROBOT</b>	<b>2022</b>	<b>24500</b>
<b>COMPUTER SCIENCE ENGINEERING</b>	<b>IOT BASED MULTI PARAMETER PATIENT MONITORING SYSTEM</b>	<b>2022</b>	<b>4536</b>
<b>COMPUTER SCIENCE ENGINEERING</b>	<b>LOCATING AND DETECTING TOXIC GASES IN MANHOLES</b>	<b>2022</b>	<b>5500</b>
<b>COMPUTER SCIENCE ENGINEERING</b>	<b>SUPERVISION OF WATER DISTRIBUTION USING ANDROID AND IOT</b>	<b>2022</b>	<b>33390</b>
<b>COMPUTER SCIENCE ENGINEERING</b>	<b>CROP PROTECTION FROM WILD ANIMALS USING EMBEDDED EDGE AI</b>	<b>2022</b>	<b>5536</b>
<b>COMPUTER SCIENCE ENGINEERING</b>	<b>AUTONOMOUS AIR CALIBER DETECTOR USING ANDROID AND IOT</b>	<b>2022</b>	<b>11000</b>
<b>BIOTECHNOLOGY ENGINEERING</b>	<b>IN VITRO AND IN SILICO EVALUATION OF ANTI QUORUM SENSING ACTIVITY OF IPRIFLAVONE ON CLINICAL ISOLATES</b>	<b>2022</b>	<b>12000</b>
<b>BIOTECHNOLOGY ENGINEERING</b>	<b>DESIGNING OF A COST EFFECTIVE, RELIABLE, USER-FRIENDLY AND PORTABLE BIOGAS PLANT FOR THE PRODUCTION OF BIOGAS FROM BIODEGRADABLE WASTE"</b>	<b>2022</b>	<b>30,000</b>

BIOTECHNOLOGY ENGINEERING	INTEGRATED REMEDIATION STRATEGY FOR REPURPOSING OF INDUSTRIAL WASTEWATER	2022	20,000
BIOTECHNOLOGY ENGINEERING	TENDER COCONUT HUSK WASTE-A POTENTIAL SOURCE OF XYLOOLOGOSACCHARIDES FOR PREBIOTIC APPLICATION	2022	11000
CIVIL ENGINEERING	HIGHQUALITY CONCRETE BLOCK USING PHOTOVOLTAIC PANELS	2022	7500
CIVIL ENGINEERING	EXPERIMENTAL STUDY ON MECHANICAL AND DURABILITY PROPERTES OF NATURAL LIGHTWEIGHT SELF-CLEANING CONCRETE	2022	7000
CIVIL ENGINEERING	TREATMENT OF MUNICIPAL WASTEWATER BY COLUMN FILTRATION USING ANTHRACITE BIOCHAR"	2022	6500
<b>TOTAL</b>			<b>402326</b>



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