

# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science campus, Bengaluru – 560 012

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## 43<sup>rd</sup> Series of Student Project Programme: 2019-20

### LIST OF STUDENT PROJECT PROPOSALS APPROVED FOR SPONSORSHIP

#### 105) P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA

596.	43S_BE_0565	BIONIC PROSTHETIC ARM CONTROLLED BY MUSCLE SENSOR	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	STREAM A	Mr. MANJUNATH PRABHU	Ms. APOORVA H S Ms. CHAITHRA G M	4500.00
597.	43S_BE_0576	IDENTIFICATION OF DISEASE IN ARECA PALMS USING AN IMAGE AND DEVELOPING A MOBILE APPLICATION FOR THE SAME	INFORMATION SCIENCE AND ENGINEERING	B.E.	STREAM A	Mr. ARJUN U	Ms. AMULYA B P Ms. A S SINCHANA Ms. MEGHA C M	3000.00
598.	43S_BE_0580	DESIGN AND FABRICATION OF HAND OPERATED RICE PLANT CULTIVATOR	MECHANICAL ENGINEERING	B.E.	STREAM A	Mr. ASHOK R BANAGAR	Mr. RACHAN B V Mr. RAVI KIRAN V Mr. RAMESHA K Mr. VIKAS H S	4000.00
599.	43S_BE_0581	ENERGY HARVESTING BY RAIN WATER USING PIEZOELECTRIC MATERIALS	MECHANICAL ENGINEERING	B.E.	STREAM A	Mr. VINOD V RAMPUR	Mr. NANDISH S Ms. NAYANA H Mr. NAVEEN KUMAR T C Mr. ARJUN K V	4000.00
600.	43S_BE_0582	EFFECT OF ZrO <sub>2</sub> /TiO <sub>2</sub> HYBRID NANO REINFORCEMENT ON MECHANICAL PROPERTIES OF PMMA BASED DENTURE MATERIALS	MECHANICAL ENGINEERING	B.E.	STREAM A	Dr. GIRISHA L	Ms. CHANDANA R Mr. MAHADEVAYYA M K Mr. MAHESH D R Mr. MANOJ M D	4000.00
601.	43S_BE_2220	EXPERIMENTAL INVESTIGATION ON SUITABILITY OF BRICK USING RED MUD (ALUMINIUM INDUSTRY WASTE) AS A MASONRY UNIT	CIVIL ENGINEERING	B.E.	STREAM A	Prof. SUJITH K. Prof. SANJAY S. J.	Mr. BHARATH H. V. Mr. DARSHAN S. P. Mr. HRUTHIKESH K. Ms. BHAVANA N.	5000.00
602.	43S_BE_2221	OPTIMIZATION OF EMISSION AND PERFORMANCE TEST ON A CI ENGINE USING THE BIODIESEL EXTRACTED FROM THE TERMINALIA CATAPPA SEEDS	MECHANICAL ENGINEERING	B.E.	STREAM B	Mr. GANESH U L	Mr. MANOJ S Mr. MANOJ S Mr. AJAY CHANDRAPPA GUTTUR Mr. GIRISHA G N	5000.00
603.	43S_BE_2230	LORA TECHNOLOGY BASED LONG RANGE WEATHER MONITORING STATION FOR AGRICULTURE	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	STREAM A	Mr. MAHENDRA S NAIK	Ms. PRIYANKA U Ms. RANJITHA R Ms. SUSHMITHA S M Ms. SYEDA FARHATHUNNISA	4500.00

KSCST : 43<sup>rd</sup> Series of Student Project Programme : Sanctioned Projects

*Principal*  
PES Institute of Technology & Management  
NH-206, Sagar Road, SHIVAMOGGA-577 204.

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Sr. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	PROJECT STREAM	NAME OF THE GUIDE(S)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (in Rs.)
604.	43S_BE_3144	SMART HEALTH MONITORING AND BULLET DETECTION JACKET	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	STREAM A	Mr. NITHIN H V Mr. MAHENDRA S NAIK	Mr. RAVINANDAN SANJEEV RAYABAGI Ms. RANJITHA S Mr. UDAY D J Ms. VARSHA H G	4000.00
605.	43S_BE_3794	VOICE CONTROLLED BLIND READER BASED ON IOT	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	STREAM A	Mrs. SHYAMALA S C	Mr. GANESH PRASAD D M Mr. MEGHARAJACHARI B Mr. CHETHAN B C Mr. ABHISHEK GOWDA N R	4000.00

**Note:**

- The sanctioned amount will be sent by account payee cheque to the Principal of the institution.
- The evaluation of above projects will be conducted at the nodal centres in the month of May / June 2020. Participation in the evaluation process at the nodal centres is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- Further projects will be shortlisted for state level seminar & exhibition which will be conducted during July / August 2020.
- After completion of the projects, the hard copy and soft copy (PDF format only) of the report needs to be sent to KSCST without fail.
- Any corrections with respect to the names of the guide and students should be requested at [scpd@kscst.lisc.ernet.in](mailto:scpd@kscst.lisc.ernet.in)

*[Handwritten Signature]*  
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**Principal**  
PES Institute of Technology & Management

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