

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: www.kscst.org.in || Email: spp@kscst.org.in || Tel: 080-2334 1652, 2334 8848/49/40

45th series of Student Project Programme (SPP): 2021-22

List of Student Project Proposals Approved for Sponsorship

2. A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN RS.)
6.	45S_BE_2677	EVALUATION OF PHYSICOCHEMICAL CHARACTERISTICS AND METAL CONTAMINATION RISK IN NETHRAVATHI AND GURUPURA RIVER BASIN: OVERVIEW OF POLLUTION INDICES WITH RISK ASSESSMENT AND APPLICATION OF LOW-COST WATER FILTER	B.E.	CIVIL ENGINEERING	Mr. NITESH	Ms. DEEKSHA Ms. SRIDEVI R. Mr. SUJIT SHEKAR POOJARI Ms. PRAJNA	7,000.00
7.	45S_BE_2696	LOW COST SENSOR BASED KIT TO DETECT THE GHG GAS EMISSIONS FROM SEWAGE AND INDUSTRIAL EFFLUENTS IN MANGALORE AND PUBLIC AWARENESS SURVEY OF THE SAME	B.E.	CIVIL ENGINEERING	Dr. SUMAN KUNDAPURA	Mr. NIKESH KUMAR SIWAN Mr. A PREM KUMAR Mr. DILEEP M Ms. SUNAINA GHARTI	7,000.00
8.	45S_BE_2754	STRENGTH EVALUATION OF STEEL PLATE GIRDER USING STAAD PRO SOFTWARE	B.E.	CIVIL ENGINEERING	Dr. SANGEETHA D.M	Ms. COSTA JANAVI Ms. A. MANJIMA Ms. ANANYA KUDYADI Ms. CHAITANYA CHANDRASHEKAR HOSAMANE	4,000.00
9.	45S_BE_1418	ESPERANZA - IOT BUDDY AT HOME	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. SIJU V SOMAN	Mr. BHAVNA SHARMA Ma. SHRADDHA Ms. ARPITHA M J	6,000.00
10.	45S_BE_0749	OBJECT DETECTION BASED GARBAGE COLLECTION ROBOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. PRAKASH K SHETTY Mr. MANJUKIRAN B	Mr. DHANUSH Mr. DHANUSH AMIN Ms. K PALLAVI Mr. NITESH KUMAR	6,000.00
11.	45S_BE_1518	IMAGE REGENERATION FOR OLD DAMAGED REEL PICTURE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. JOHN PRAKASH VEIGAS	Ms. YASHASWINI Ms. MEGHASHREE Ms. PAVITHRA Ms. ZUBAIDA SHAIMA	4,500.00
12.	45S_BE_1967	CHRONIC DISEASE PREDICTION AFTER COVID-19 USING MACHINE LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. SURESHA D	Ms. SWAPNA Ms. PRATHEEKSHA H Ms. SAAMIYA Ms. TANYA MENDON	3,000.00
13.	45S_BE_1992	BREAST CANCER HISTOPATHOLOGY IMAGE CLASSIFICATION USING MACHINE LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mrs. ARUNA KUMARI G. K.	Ms. MEGHA JOSE Mr. ABHIJITH P.P Ms. KRITHI T Ms. NIKITA	5,000.00
14.	45S_BE_1684	A NOVEL PLASTIC WASTE MANAGEMENT SYSTEM TO CONTROL AIR POLLUTION	B.E.	MECHANICAL ENGINEERING	Dr. SUNIL KUMAR S	Ms. YOJITH K Mr. RAKSHITH ACHARYA Mr. SHARAVANRAJ KAMBLI Mr. VASANTH KUMAR T S	7,000.00

Principal

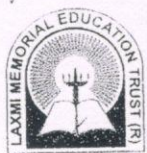
A.J. Institute of Engineering & Technology
Mangaluru - 575 006

15.	45S_BE_2110	DEVELOPMENT OF 360° ROTATING SOUNDWAVE FIRE EXTINGUISHER	B.E.	MECHANICAL ENGINEERING	Mr. SREEJITH B.K	Mr. SARANG C M Mr. ABHISHEK SASIDHARAN Mr. PRANAV A.P Mr. PRANAV T.V	7,500.00
16.	45S_BE_2333	INJECTION MOULDING MACHINE AND PRODUCTION OF FUEL FROM WASTE PLASTIC	B.E.	MECHANICAL ENGINEERING	Mr. PRASHANTH D A	Mr. AKHILRAJ E S Mr. AKHIL K S Mr. ABRAHAM MATHEW Mr. ANIRUDH K	10,000.00

Note:

- The sanctioned amount will be credited to the college bank account by NEFT.
- The evaluation of the above projects will be conducted via online mode during May / June 2022.
- Participation in the online evaluation process is mandatory, failing which the project will be considered incomplete and will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- After completion of the projects, a softcopy of the report prepared as per the format prescribed by RESPECTIVE UNIVERSITIES shall be uploaded (PDF format in a single file only) in the GOOGLE FORMS provided on the website.
- Any corrections with respect to the names of the guide and students shall be requested at spp@kscst.org.in

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A. J. Institute of Engineering and Technology Mangaluru



Approved by AICTE New Delhi, Affiliated to VTU Belagavi & Recognised by Govt. of Karnataka
(A unit of Laxmi Memorial Education Trust (R))

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FORM GFR 19-A

UTILIZATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 45th SERIES

(To be printed on college letterhead)

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that KSCST has provided partial financial support of Rs. 67,000.00 towards Student Project Programme - 45 th Series
1.	Ref: 7.1.01/SPP/91 11, May 2022	67,000.00	A sum of Rs 67,000.00 has been utilized for the purpose of Student Project Programme for which it was sanctioned.

Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly / are being fulfilled and that I have exercised the following check to see that the money was actually utilized for the purpose for which it was sanctioned.


Kinds of Checks exercised.

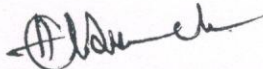
01. Cash Book
02. Vouchers

Sl No	Project Proposal Ref. No.	Title of the Project	Department/ Guide	Amount Sanctioned by KSCST	Amount Utilized by the College	Balance if an to be refunded to KSCST
1.	45S_BE_0749	OBJECT DETECTION BASED GARBAGE COLLECTION ROBOT	Mr. PRAKASH K SHETTY & Mr. MANJUKIRAN B	6000.00	6000.00	NIL
2.	45S_BE_1967	CHRONIC DISEASE PREDICTION AFTER COVID-19 USING MACHINE LEARNING	Dr. SURESHA D	3000.00	3000.00	NIL
3.	45S_BE_1418	ESPERANZA - IOT BUDDY AT HOME	Mr. SIJU V SOMAN	6000.00	6000.00	NIL
4.	45S_BE_1684	A NOVEL PLASTIC WASTE MANAGEMENT SYSTEM TO CONTROL AIR POLLUTION	Dr. SUNIL KUMAR S	7000.00	7000.00	NIL
5.	45S_BE_1518	IMAGE REGENERATION FOR OLD DAMAGED REEL PICTURE	Mr. JOHN PRAKASH VEIGAS	4500.00	4500.00	NIL
6.	45S_BE_1992	BREAST CANCER HISTOPATHOLOGY IMAGE CLASSIFICATION USIN	Mrs. ARUNA	5000.00	5000.00	NIL

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		MACHINE LEARNING	KUMARI G K			
7.	45S_BE_2110	DEVELOPMENT OF 360° ROTATING SOUNDWAVE FIRE EXTINGUISHER	Mr. SREEJITH B.K	7500.00	7500.00	NIL
8.	45S_BE_2333	INJECTION MOULDING MACHINE AND PRODUCTION OF FUEL FROM WASTE PLASTIC	Mr. PRASHANTH D A	10000.00	10000.00	NIL
9.	45S_BE_2677	EVALUATION OF PHYSICOCHEMICAL CHARACTERISTICS AND METAL CONTAMINATION RISK IN NETHRAVATHI AND GURUPURA RIVER BASIN: OVERVIEW OF POLLUTION INDICES WITH RISK ASSESSMENT AND APPLICATION OF LOW-COST WATER FILTER	Mr. NITESH	7000.00	7000.00	NIL
10.	45S_BE_2696	LOW COST SENSOR BASED KIT TO DETECT THE GHG GAS EMISSIONS FROM SEWAGE AND INDUSTRIAL EFFLUENTS IN MANGALORE AND PUBLIC AWARENESS SURVEY OF THE SAME	Dr. SUMAN KUNDAPURA	7000.00	7000.00	NIL
11.	45S_BE_2754	STRENGTH EVALUATION OF STEEL PLATE GIRDER USING STAAD PRO SOFTWARE	Dr. SANGEETHA D M	4000.00	4000.00	NIL


 Signature of the Principal
 with Seal
A.J. Institute of Engineering & Technology
 Mangaluru - 575 006


 Signature of the Finance / Accounts Officer
 with Seal
 Accounts Manager
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY
 Mangaluru - 575 006, D.K., Karnataka

Date: 20.8.2022

Place: MANGALURU


 Principal
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