

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

44. DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN RS.)
303.	45S_BE_0659	EFFECT OF RECYCLED ASPHALT PAVEMENT AND GROUND GRANULATED BLAST FURNACE SLAG AS A COMPOSITE MATERIALS IN RIGID PAVEMENT	B.E.	CIVIL ENGINEERING	Dr. R L RAMESH	Ms. NAMITHA K Ms. TEJASHWINI C P Mr. ABHISHEK	7,000.00
304.	45S_BE_0670	EXPERIMENTAL INVESTIGATION OF PARTIAL REPLACEMENT OF AGGREGATE WITH STEEL SLAG AND COCONUT BIOCHAR AS FILLER MATERIAL IN BITUMINOUS PAVEMENTS	B.E.	CIVIL ENGINEERING	Mr. RAGHAVENDRA N	MR. ATIF A JAMADAR Mr. MD SHUKRULLA KHAN Mr. OBALANAYAK M S Mr. AKASH R S	7,000.00
305.	45S_BE_0674	EXPERIMENTAL BEHAVIOR OF STEEL FIBER REINFORCED CONCRETE WITH PARTIAL REPLACEMENT OF GOLD MINE WASTE FOR FINE AGGREGATES	B.E.	CIVIL ENGINEERING	Mr. RAGAVENDRA R	Mr. VEDANTH P C	6,500.00
306.	45S_BE_0370	AUTOMATED PROCTORING SYSTEM TO DETECT ANOMALOUS BEHAVIOUR IN E-LEARNING DURING TIMES OF CRISIS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. MANJUNATHSWAMY B E	Mr. RANJEET RATHOD Mr. PADMARAJ D MANAGAVE Mr. RAKSHITH GOWDA R Mr. KARTHIK S SAGAR	6,000.00
307.	45S_BE_0558	SUDDEN HEART ATTACK DETECTION IN COVID AFFECTED PATIENTS USING WEARABLE DEVICE	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. VENUGEETHA	Mr. ROHITH S Mr. MANISH N Mr. MANJUNATH R S Mr. NITHESH B	6,000.00
308.	45S_BE_0973	NEURAL PAINTING WITH PIXEL SIMILARITY AND PROGRESSIVE RENDERING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. RANJEET KUMAR	Mr. ADIL ALI Mr. AKASH HAZRA Mr. AYUSH NIGAM Mr. DIPAYAN PAUL	6,000.00
309.	45S_BE_2984	SMART ELECTRIC TRI-VEHICLE FOR PHYSICALLY CHALLENGED PEOPLE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Mrs. SHARMILA R S MR. R SANTHOSH KUMAR	Mr. SAMARTH N C Mr. PRASHANTH KUMAR M Ms. RUCHITHARAMESH D R Mr. SANJAY C	8,000.00
310.	45S_BE_3025	LOW COST SOLAR POWER REFRIGERATION FOR VILLAGE PUSH CART VENDORS	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Dr. R ANGURAJA	Mr. SREERAJ GUPTA Y S Mr. THASHWIN GOWDA M Mr. VEERENDRA GOWDA R K Mr. AKASH R	7,000.00
311.	45S_BE_0860	PORTABLE 3D SCANNER	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. BHAGYA P	Mr. RANJAN P Mr. R PRAJWAL GOWDA Mr. PATRICK BRUNO Mr. SUHAS B P	8,000.00
312.	45S_BE_1141	ASSISTIVE COMMUNICATION SYSTEM AMONG DEAF, DUMB AND BLIND	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. TEJASWINI M L	Mr. SHIVARAJ P Mr. SHIVAPRASAD G Mr. P S SHARANA BASAVA	7,000.00

313.	45S_BE_1150	EARLY FLOOD WARNING AND WATER QUALITY DETECTION USING IOT	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Ms. BABITHA S Dr. RAJASHEKHARGOUDA C. PATIL	Ms. NITHYASHREE R Ms. MEGHANA G Ms. NEHA PATIL Ms. SATHYA K	5,000.00
314.	45S_BE_1391	IOT BASED SMART AGRICULTURE WITH ANIMAL INTRUSION DETECTION AND REPELLENT SYSTEM	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. A N MAHESHWARAPPA Dr. RAJASHEKHARGOUDA C. PATIL	Mr. SUPRITH N C Mr. V YESHWANTH Mr. SHIVAKUMAR Y Mr. SURAJ V J	7,000.00
315.	45S_BE_0475	SANDALWOOD TREE DETECTION USING DEEP LEARNING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. MOHAN KUMAR AV	Ms. CHAITANYA S Ms. CHANDANA C A Mr. ARCHANA P	6,000.00
316.	45S_MBA_017	E-HEALTH CARE SUPPORTING SYSTEM IN ENGLISH AND KANNADA LANGUAGES	M.B.A	MASTER OF BUSINESS ADMINISTRATION	Dr. ANASUYA N JADAGERIMATH	Mr. KRISHNA K P Ms. K P MAHALAXMI Ms. SALONI	8,000.00
317.	45S_BE_0226	DESIGN AND FABRICATION OF PULLEY BASED MOVABLE CRANE ROBOT	B.E.	MECHANICAL ENGINEERING	Dr. RANGANATH S R	Mr. VISHAL Mr. ANILKUMAR K Mr. BHARATH S Mr. NAGENDRA M S	8,000.00
318.	45S_BE_0228	AUTOMATIC DETECTION AND PREVENTION OF ANIMAL IN AGRICULTURE FIELDS BY USING RENEWABLE RESOURCES	B.E.	MECHANICAL ENGINEERING	Dr. RANGANATH S R	Mr. CHANDRA SHEKAR R Mr. ARUN YADAV Mr. NITHIN B Mr. MOHAN S	8,000.00
319.	45S_BE_0247	DESIGN AND FABRICATION OF BATTERY COOLING SYSTEM FOR ELECTRIC VEHICLE	B.E.	MECHANICAL ENGINEERING	Mr. VISHWANATH B R	Mr. RITHVIK S CHANDRA Mr. GANESH R Mr. PRAJWAL V A Mr. SHARATH KUMAR S	8,000.00
320.	45S_BE_0295	DESIGN AND FABRICATION OF PIEZO-ELECTRIC ENERGY HARVESTER FROM PRESSURE FORCES DEVELOPED IN AUTOMOTIVE TYRES	B.E.	MECHANICAL ENGINEERING	Mr. MANJUNATH M V	Mr. SHIVANNA D T Mr. AKSHAY KUMAR C Mr. VARUN N Mr. RAKESH N	8,000.00
321.	45S_BE_0632	FABRICATION OF COVID PROTECTION SANITIZATION MACHINE FOR PACKAGING AND DELIVERY OF PRODUCTS	B.E.	MECHANICAL ENGINEERING	Mr. K M KIRAN KUMAR	Mr. KISHORE RAJ M Mr. SHARATH SINGH R Mr. DHUREEN KUMAR HP Mr. NAVEEN N	6,000.00
322.	45S_BE_0969	AN IMPLEMENTATION IOT AND DATA ANALYTICS IN SMART AGRICULTURAL SYSTEM	B.E.	TELECOMMUNICATION ENGINEERING	Prof. RASHMI K T	Mr. SANJEEV S TIGADI Mr. DARSHAN NAGESH S Mr. DHARNESH NARAYANA SWAMY Mr. NIKHIL K S	7,000.00

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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44th Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

49. DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN Rs.)
297.	44S_BE_2005	PROVIDING MEDICAL AWARENESS TO RURAL COMMUNITY FOR HEALTH EMERGENCIES DURING COVID-19 PANDEMIC	COMPUTER SCIENCE AND ENGINEERING	B.E.	Dr. BHAKASR R	Mr. THARUNSAI A Ms. SNEHA K M Ms. TEJASWINI N	6000.00
298.	44S_BE_2013	DOMESTIC BIO WASTAGE MONITORING SYSTEM USING IoT	COMPUTER SCIENCE AND ENGINEERING	B.E.	Dr. THIPPESWAMY G R	Ms. SANJANA KASHIKAR Mr. TEJAS PATIL Mr. SAYON DAS	5000.00
299.	44S_BE_2015	HEART DISEASE PREDICTION USING MACHINE LEARNING FOR COVID-19 AFFECTED PATIENTS	COMPUTER SCIENCE AND ENGINEERING	B.E.	Prof. HEMALATHA M	Ms. ASIYA BANU Ms. BINDUSHREE H D Ms. DIVYASHREE N	2500.00
300.	44S_BE_2027	COVID-19 DETECTION FROM IMAGE PROCESSING USING CNN MODEL	INFORMATION SCIENCE AND ENGINEERING	B.E.	Dr. M SELVAM	Mr. MANDEEP R J Ms. LAHARI SHEKAR M	3000.00
301.	44S_BE_2029	A ECO-FRIENDLY METHOD TO TREAT DOMESTIC SEWAGE IN WATER BODIES BY BIOREMEDIATION AND REAL TIME MONITOR USING USV (UNMANNED SURFACE VEHICLE)	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Prof. SANGAM KUMAR G H	Mr. SACHIN C SARDESHPANDE Ms. RAKSHIKA Y D Mr. PAVAN KUMAR P MEHARWADE	6000.00
302.	44S_BE_2032	AI BASED EYE GAZE CONTROLLED ASSISTIVE DEVICE FOR CHALLENGED PERSON WITH APROXIA	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Prof. SANTHOSH M NEJAKAR	Ms. UMADEVI.M.N Ms. AISHWARYA.G Ms. DIVINA M B Mr. PUNEETH B.G	5500.00
303.	44S_BE_2034	IOT BASED WILD ANIMAL IDENTIFICATION AND ALERT SYSTEM IN AGRICULTURE AREAS	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Prof. SURESHA H S	Mr. SHREEMAHATHMA H D Mr. SOHAN GOWDA M Mr. SUMANTH GOWDA M P Mr. VINAY S H	6000.00
304.	44S_BE_2035	IUS THEGMINE - AUTOMATION IN SERICULTURE - A NEW CONCEPT IN AGRICULTURE	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Dr. R. C. PATIL Dr. CHANDRASHEKAR. N. S.	Ms. DEEKSHA.J Ms. HARSHITHA. P Ms. CHANDHANA. G Ms. AMBIKA. S. KAMATE	4500.00
305.	44S_BE_2038	ASSISTIVE COMMUNICATION SYSTEM FOR PHYSICALLY CHALLENGED PEOPLE USING MACHINE LEARNING TECHNIQUES	TELECOMMUNICATION ENGINEERING	B.E.	Prof. SHEELA S	Ms. S GOWTHAMI Ms. DEEPA A BAINDOOR Ms. LAVANYA K Ms. MANASA PRIYA J	6000.00

306.	44S_BE_2041	DOMESTIC BIO WATER QUALITY ASSESSMENT OF KUMBALGODU LAKE	CIVIL ENGINEERING	B.E.	Mr. S GOBINATH	Ms. SAI ESHWARI G K Mr. JAYANTH S Mr. HARSHITH D Mr. LINGA RAJU N	6000.00
307.	44S_BE_2043	DEVELOPMENT OF GEOPOLYMER CONCRETE USING CONSTRUCTION DEMOLITION WASTE AS A COMPOSITE BUILDING MATERIALS	CIVIL ENGINEERING	B.E.	Dr. R L RAMESH	Mr. SHADAKSHARI B M Mr. LIKITH KUMAR Y Mr. SACHIN R Mr. MANOJ D H	6000.00
308.	44S_BE_2045	A STUDY ON MICROSTRUCTURE OF HYBRID FIBER REINFORCED SELF-COMPACTING CONCRETE WITH RELEVANCE TO THERMAL CYCLE AS COMPOSITE BUILDING MATERIAL.	CIVIL ENGINEERING	B.E.	Mr. RAGHAVENDRA D	Mr. UDAY KUMAR R S Mr. S V RAHUL REDDY Mr. GAGANDEEP C G Ms. KAVYASHREE K P	6000.00
309.	44S_BE_2047	SOLAR OPERATED "BLUETOOTH CONTROLLED ROBOT FOR ROAD AND FLOOR CLEANING"	MECHANICAL ENGINEERING	B.E.	Prof. CHANDANA NC	Mr. MADHUSUDHAN T Mr. BHUVAN ARADHYA L Ms. CHAITHRA K B Mr. CHANDAN HM	7000.00
310.	44S_BE_2049	SELF CHARGING ELECTRIC VEHICLE UTILISING UNUSED POWER	MECHANICAL ENGINEERING	B.E.	Prof. SOMASHEKAR R	Mr. CHETHAN N K Ms. CHANDANA B S Mr. AKASH P KULKARNI Mr. ARUN G H	7000.00
311.	44S_BE_2051	SOLAR POWERED WHEEL CHAIR WITH BLUETOOTH CONTROLLER FOR AGED AND PHYSICALLY CHALLENGED PEOPLE	MECHANICAL ENGINEERING	B.E.	Prof. K C ANANTHAPADMANABHAN	Mr. ANIRUDHA M Mr. CHANDAN G Mr. CHIRANJEEVI Mr. CHETHAN HR	8000.00
312.	44S_BE_2052	APPLICATION OF "PNEUMATIC EXO-ARMS" USED IN ROBOTS	MECHANICAL ENGINEERING	B.E.	Prof. K C ANANTHAPADMANABHAN	Mr. RACHITH GURU Mr. PAVAN H BHARADWAJ Mr. NIKHIL B Mr. PREETHESH P S	7000.00
313.	44S_BE_2058	DESIGN AND FABRICATION OF SOLAR DRYER FOR VILLAGE APPLICATION	MECHANICAL ENGINEERING	B.E.	Dr. SHIVANNA	Mr. NAVEEN KUMAR Mr. JASHWANTH K Mr. VINAYAK P GUREMATTI Mr. NAVEEN KUMAR KN	6000.00
314.	44S_BE_3669	SMART HOME AUTOMATION SYSTEM BASED ON INTERNET OF THINGS	COMPUTER SCIENCE AND ENGINEERING	B.E.	Dr. ASHOK KUMAR P S	Mr. LIKITH D GOWDA Mr. MANJUNATH S DHANYAL Mr. VARUN REDDY G	5000.00

Note:

- The sanctioned amount will be credited to the college bank account by NEFT.
- The evaluation of above projects will be conducted during May / June 2021 via online mode.
- Participation in the online evaluation process and submission of softcopy of the final project report is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- After completion of the projects, softcopy (PDF format in a single file) 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 spp@kscst.iisc.ernet.in.

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43rd Series of Student Project Programme: 2019-20

LIST OF PROJECTS SANCTIONED AND DETAILS OF RELEASE OF SANCTIONED AMOUNT AFTER ONLINE EVALUATION OF PROJECTS

43) DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE(s)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (In Rs.)	STATUS OF PROJECT	BALANCE AMOUNT RELEASED AFTER EVALUATION
232.	43S_BE_3213	RASPBERRY PI BASED SMART REFRIGERATOR TO RECOGNIZE FRUITS AND VEGETABLES	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Dr. SANTOSH M NEJAKAR	Ms. POOJA P Ms. KOLTHURU NAFEESA SAMREEN Ms. VIDYA K V Ms. YAHASWINI	5000.00	COMPLETE	2500.00
233.	43S_BE_3222	DESIGN AND FABRICATION OF USER-FRIENDLY GARBAGE PUSH CART - "SWACHH SAMYANA"	MECHANICAL ENGINEERING	B.E.	Mr. RANGANATHA S R	Mr. YOGESHWAR G Mr. SUKESH BHARADWAJ Mr. SHIVA V Mr. VISHWAS C	7000.00	COMPLETE	3500.00
234.	43S_BE_3224	A COGNIFICATION APPROACH TO MEASURE CONTAMINATION IN LAKES	INFORMATION SCIENCE AND ENGINEERING	B.E.	Dr. ANASUYA N.J	Ms. MEGHANA S Mr. AJITH B Ms. MEDHA B S Mr. Kiran Kumar B	4500.00	INCOMPLETE	NIL
235.	43S_BE_3232	CROP YIELD PREDICTION WITH EFFICIENT USE OF FERTILIZERS	COMPUTER SCIENCE AND ENGINEERING	B.E.	Mr. BHASKAR R	Mr. BHARATH S.M. Mr. MANOJ S Mr. PRAVEEN ADHAPPA Mr. PUNIT L. PATAGAR	4500.00	COMPLETE	2250.00

NEFT TRANSACTION DETAILS OF SPONSORED PROJECTS UNDER 43RD SERIES OF STUDENT PROJECT PROGRAMME

Sl. No.	Name of the College	Total No. of Projects Sanctioned	Total Project Grant Sanctioned (Rs.)	BATCH 1 (Amount released before evaluation)				BATCH 2 (Amount released after evaluation)			
				Project Grant Released (Rs.)	Total No. of Projects Sanctioned	Transaction ID	Transaction Date	Project Grant Released (Rs.)	Total No. of Projects Sanctioned	Transaction ID	Transaction Date
43	DON BOSCO INSTITUTE OF TECHNOLOGY, BENGALURU	4	21,000	10,500	4	P20060399563588	03-06-2020	8,250	3	P20091852178534	18-09-2020