

**3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years
(INR in Lakhs)**

Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
2022-23							
EFFECTIVE UTILIZATION AND MANAGEMENT OF LEFT OVER FOOD	Dr. NAVEEN M	Information Science & Engg.	2022-23	0.04	6 Months	KSCST	Government
WEATHER FORECASTING AND MINIMUM SUPPORT PRICE PREDICTION OF CROPS	Dr. NAVEEN M	Information Science & Engg.	2022-23	0.04	6 Months	KSCST	Government
ASSISTIVE DEVICE FOR DEAF, DUMB AND BLIND USING RASPBERRY PI	Dr. ERAPPA G	Information Science & Engg.	2022-23	0.04	6MONTHS	KSCST	Government
AUTOMATED SOLAR BASED ELECTRIC GRASS CUTTER WITH MULTI PURPOSE ROBOTIC VEHICLE	Sunanda C V & Gowtham G	Electrical & Electronics Engg.	2022-23	0.06	6MONTHS	KSCST	Government
APP BASED REAL TIME LOCALIZED AIR QUALITY MONITORING AND PREDICTION USING ML	Dr. Niranjana R Chougala	Computer Science & Engg.	2022-23	0.04	6MONTHS	KSCST	Government
DEVELOPMENT OF DEVICE FOR VEHICLE MONITORING AT BLIND CURVES	Dr. Suresha C N	Mechanical Engg.	2022-23	0.06	6 MONTHS	KSCST	Government
DESIGN & FABRICATION OF GAS ATOMISER TO PRODUCE METAL POWDER FROM INDUSTRIAL WASTE	Dr. Channabasavaraj S	Mechanical Engg.	2022-23	0.06	6 MONTHS	KSCST	Government
SEISMOTECTONIC EVALUATION USING GEOMORPHIC TOOLS	Dr. Praseeda E	Civil Engg.	2022-23	0.04	6 MONTHS	KSCST	Government
HYDROLOGICAL INVESTIGATION OF STROM WATER MANAGEMENT USING GEOSPATIAL TECHNIQUES IN URBAN AREAS	Girish G	Civil Engg.	2022-23	0.04	6 MONTHS	KSCST	Government

<https://www.rrit.ac.in/pdf/3.1.1.pdf>

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DESIGN OF INTELLIGENT ADAPTIVE HEADLIGHT SYSTEM FOR AUTOMOBILES	Dr. Sunitha H D	Electronics & Communication Engg.	2022-23	0.05	6 MONTHS	KSCST	Government
A Smart Biomedical Healthcare System to Detect Stress using IoT, Machine Learning and Artificial Intelligence	Dr. Manjunath R	Computer Science	2022-23	0.15	6 MONTHS	canara steel corporation	Non-Government
Farmer's voice chat BOT Using AI/ML	Shobha Rani	Computer Science	2022-23	0.15	6 MONTHS	canara steel corporation	Non-Government
Design and Implementation of Women Safety System Using IOT	Dr. Niranjana Chougala	Computer Science	2022-23	0.15	6 MONTHS	REALM	Non-Government
Wearable-AI-Enabled Glasses to assist the Blind in walking, detecting objects, Recognising Faces and Performing NLP	Dr. Shiva Kumar Swamy	Computer Science	2022-23	0.15	6 MONTHS	REALM	Non-Government
A Smart Reminder and Medicine Dispenser using IoT	Veena V	Computer Science	2022-23	0.15	6 MONTHS	REALM	Non-Government
GSM Based Monitoring and Alerting in Nebulization System For Asthma Patients	Nishchitha T S	Information Science	2022-23	0.15	6 MONTHS	canara steel corporation	Non-Government
IOT BASED WEATHER MONITORING SYSTEM ALONG WITH TWITTER NOTIFICATION	Manjula R C	Information Science	2022-23	0.15	6 MONTHS	canara steel corporation	Non-Government
Crop Recommendation with Crop Price and Yield Prediction Using Machine Learning	Emmanuel R	Information Science	2022-23	0.15	6 MONTHS	REALM	Non-Government
GSM Based Vehicle Monitoring and Accident Alert System	Sowmya J	Information Science	2022-23	0.15	6 MONTHS	REALM	Non-Government
Smart Home Automation using IoT	Dr. Erappa G	Information Science	2022-23	0.15	6 MONTHS	REALM	Non-Government

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Modification of light poles to enhance road safety	Dr. G Sankara	Civil Engineering	2022-23	0.2	6 MONTHS	canara steel corporation	Non-Government
An experimental investigation on mechanical properties of translucent geopolymer concrete	Gunasheela P	Civil Engineering	2022-23	0.2	6 MONTHS	canara steel corporation	Non-Government
experimental investigation of self cleaning pervious concrete to enhance ground water level	Shilpa B R	Civil Engineering	2022-23	0.2	6 MONTHS	REALM	Non-Government
An experimental investigation on partial replacement of fine aggregates by crumb rubber in a Concrete	Priyadarshini H P	Civil Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government
raster based automated road alignment & Design of culvert for stream crossing	Dr. Kumar R Rao	Civil Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government
Automatic domestic waste segregation system	Srinivas K R	Mechanical Engineering	2022-23	0.2	6 MONTHS	canara steel corporation	Non-Government
Fabrication of drone and controlling using virtual reality	Kalburgi Bharath	Mechanical Engineering	2022-23	0.2	6 MONTHS	canara steel corporation	Non-Government
Design and fabrication of portable solar winnover	Lohithkumar J K	Mechanical Engineering	2022-23	0.2	6 MONTHS	canara steel corporation	Non-Government
Automatic over head tank cleaning and water monitoring system	Dr. Amarnath G	Mechanical Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government
Design and development of cost effective universal Viberope tree shaker in harvesting by reverse engineering techniques	Dr. Manjunatha G	Mechanical Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government

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Low Cost UltraViolet Room Disinfection Device	Jhansi K & Mrs.Anusha D Y	Electrical Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government
Analysis of Polarising technique to detect earth faults in Subtransmission line using Intelligent Electronic Device-7SJ80	Madhavi D & Pradeesha J	Electrical Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government
IOT Based Underground Cable Fault Detection	Soumya G J & Mr. Vyshvnav	Electrical Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government
Automated water leakage detection, controlling and monitoring system using wireless sensor network for the improvement of water network management	Dr. Shivashankar	Electronics Engineering	2022-23	0.2	6 MONTHS	canara steel corporation	Non-Government
Automatic solar powered street lights and GPS operated system to detect and identify traffic rule violation in toll roads and highways	Parimala Gandhi G	Electronics Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government
Rain sensing automatic car wiper	Mohan Kumar B N	Electronics Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government
Enhancing the livelihood of farmers using IOT based monitoring and environment control system for indoor cultivation of mushroom	Mallesh B Y	Electronics Engineering	2022-23	0.15	6 MONTHS	REALM	Non-Government

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2021-22							
MANUFACTURE SUSTAINABLE AND ECO FRIENDLY COMPOSITE ROOF TILES FROM WASTE PLASTIC AND DEMOLITION WASTE TO ENHANCE RAIN WATER HARVESTING	B R Shilpa	Civil Engg.	2021-22	0.07	6 Months	KSCST	Government
PARKINSON DISEASE PREDICTION AND ANALYSIS USING MACHINE LEARNING	Nithin K	Computer Science & Engg.	2021-22	0.06	6 Months	KSCST	Government
DESIGN OF CAMOUFLAGE MILITARY ROBOT IMPLEMENTED WITH BORDER SECURITY SYSTEM USING AI & M	Dhananjaya M K	Computer Science & Engg.	2021-22	0.06	6 Months	KSCST	Government
DESIGN AND FABRICATION OF ROV FOR DETECTING FOREIGN BODIES	Dr. Channabasavaraj S	Mechanical Engg.	2021-22	0.1	6 Months	KSCST	Government
ORGAN DONATION - AN ANDROID APPLICATION	Dr. Naveen M	Information Science & Engg.	2021-22	0.05	6 Months	KSCST	Government
SMART BLIND ASSISTANCE SYSTEM USING INTERNET OF THINGS	Dr. Niranjana Chougala	Computer Science & Engg.	2021-22	0.15	6 Months	canara steel corporation	Non-Government
DETECTION OF CRACKS IN RAILWAY TRACK USING DEEPLARNING NEURAL NETWORK	Dr. Shiva kumar swamy N	Computer Science & Engg.	2021-22	0.15	6 Months	canara steel corporation	Non-Government
ACCIDENT PREVENTION SYSTEM BY DETECTING DRIVER'S DROWSINESS USING HAAR CASCADE	Dr. Manjunath R	Computer Science & Engg.	2021-22	0.15	6 Months	REALM	Non-Government
IOT ENABLES ELDERLY FALL DETECTION MODEL USING OPTIMAL DEEP CONVOLUTIONAL NEURAL NETWORK FOR SMART HOMECARE.	Dhananjaya M K	Computer Science & Engg.	2021-22	0.2	6 Months	REALM	Non-Government
STUDY OF WEARABLE IOT DEVICES BASED ON SMART GADGET AND GSM FOR WOMEN SAFETY	Balaraju G	Computer Science & Engg.	2021-22	0.15	6 Months	REALM	Non-Government
INTRUSION DETECTION-PREVENTION SYSTEM FOR ANDROID DEVICES WITH MOBILE APPLICATION DEVELOPMENT	Emmanuel R	Information Science & Engg.	2021-22	0.15	6 Months	canara steel corporation	Non-Government

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ML BASED HOSPITAL BEDS AVAILABILITY AND AMBULANCE BOOKING SYSTEM.	Dr. Naveen M	Information Science & Engg.	2021-22	0.15	6 Months	canara steel corporation	Non-Government
INTELLIGENT SYSTEM FOR PLANTATION USING UBIQUITOUS COMPUTING	Swetha K B	Information Science & Engg.	2021-22	0.15	6 Months	REALM	Non-Government
INTRUSION DETECTION USING MACHINE LEARNING AND DEEP LEARNING IN WIDE AREA NETWORK	Dr. Erappa G	Information Science & Engg.	2021-22	0.15	6 Months	REALM	Non-Government
MORSE CODE BASED SECURED AUTHENTICATION SYSTEM THROUGH ARTIFICIAL INTELLIGENCE	Abhilash L bhat	Information Science & Engg.	2021-22	0.15	6 Months	REALM	Non-Government
DEVELOPMENT OF SUSTAINABLE COMPOSITE ROOF TILE WITH PLASTIC AND DEMOLITION WASTE	Shilpa B R	Civil Engg.	2021-22	0.2	6 Months	canara steel corporation	Non-Government
ASSESSMENT OF AIR QUALITY IN BANGALORE BEFORE,URING AND AFTER COVID-19	Dr. Prasseda E	Civil Engg.	2021-22	0.2	6 Months	canara steel corporation	Non-Government
DYNAMIC BEHAVIOUR OF HIGH RISE RC BUILDING WITH A VERTICAL IRREGULARAITY	Deepika R	Civil Engg.	2021-22	0.2	6 Months	REALM	Non-Government
ASSESSMENT AND IMPACT OF DISPOSAL SITE ON G/W SOIL QUANTITY	Ranganathan B A	Civil Engg.	2021-22	0.2	6 Months	REALM	Non-Government
EXPERIMENT INVESTIGATION OF SEMI TRANSPARENT CONCRETE USING PLASTIC OPTICAL FIBER	Jagadeesh B N	Civil Engg.	2021-22	0.2	6 Months	REALM	Non-Government
FABRICATION AND TESTING OF VACUUM ASSISTED SMART FLOOR CLEANER ROBOT	Dr. Manjunatha	Mechanical Engg.	2021-22	0.2	6 Months	canara steel corporation	Non-Government
DESIGN & FABRICATION OF FOLDABLE DIY ELECTRIC SCOOTER	Murali G E	Mechanical Engg.	2021-22	0.2	6 Months	canara steel corporation	Non-Government

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GREENHOUSE MONITORING SYSTEM USING IOT FOR PLANT NURSERY	Dr. Amarnath G	Mechanical Engg.	2021-22	0.2	6 Months	canara steel corporation	Non-Government
EXTRACTION OF CRUDE OIL FROM PLASTIC WASTE	Srinivas K R	Mechanical Engg.	2021-22	0.2	6 Months	REALM	Non-Government
DESIGN OF SMART HELMET USING MICROCONTROLLER	Lohith J K	Mechanical Engg.	2021-22	0.2	6 Months	REALM	Non-Government
IOT BASED SMART INDUSTRIAL PANEL USING PYTHON FOR SPEED CONTROL AND MONITORING OF DC MOTOR	Sowmya G J	Electrical & Electronics Engg.	2021-22	0.2	6 Months	REALM	Non-Government
DESIGN AND IMPLEMENTATION OF FIRE EXTINGUISHER USING ACOUSTIC SOUND WAVE AND IOT	Sunanda C V	Electrical & Electronics Engg.	2021-22	0.15	6 Months	REALM	Non-Government
HOME SECURITY AND AUTOMATION SYSTEM	Madavi Dasari	Electrical & Electronics Engg.	2021-22	0.15	6 Months	REALM	Non-Government
GENERATION OF ELECTRICAL ENERGY FROM NOISE AND MECHANICAL STRESS USING PIEZO ELECTRIC MATERIAL	Gowtham G	Electrical & Electronics Engg.	2021-22	0.15	6 Months	REALM	Non-Government
DEFECT DETECTION FOR FORGED METAL PARTS BY IMAGE PROCESSING	Dr. Sunitha H D	Electronics & Communication Engg.	2021-22	0.2	6 Months	canara steel corporation	Non-Government
WEARABLE SMART MULTIMETER EQUIPPED WITH AR GLASSES BASED ON IOT PLATFORM	Mohan Kumar B M	Electronics & Communication Engg.	2021-22	0.2	6 Months	canara steel corporation	Non-Government
ASSISTIVE DEVICE FOR PHYSICALLY CHALLENGED PERSONS USING VOICE CONTROLLED INTELLIGENT ROBOTIC ARM	Anshu Deepak	Electronics & Communication Engg.	2021-22	0.2	6 Months	REALM	Non-Government
GIVING VOICE TO VULNERABLE CHILDREN MACHINE LEARNING ANALYSIS OF SPEECH DETECTS ANXIETY AND DEPRESSION IN EARLY CHILDHOOD	Parimala Gandhi G	Electronics & Communication Engg.	2021-22	0.15	6 Months	REALM	Non-Government
SIGN LANGUAGE TO TEXT AND SPEECH TRANSLATION IN REAL TIME USING CONVOLUTIONAL NEURAL NETWORK	Chitharanjan Das V	Electronics & Communication Engg.	2021-22	0.15	6 Months	REALM	Non-Government


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2020-21							
IOT BASED AIR QUALITY MONITORING SYSTEM USING MQ135 AND MQ7 WITH MACHINE LEARNING ANALYSIS	Dr. Naveen M	Information Science & Engg.	2020-21	0.05	6 Months	KSCST	Government
GROUND WATER CHARACTERIZATION AND QUALITY ASSESMENT-A CASE STUDY IN CHICKBANAVARA TOWN	Girish G	Civil Engg.	2020-21	0.055	6 Months	KSCST	Government
DESIGN AND FABRICATION OF HOVERBOARD	Dr. Channabasavaraj S	Mechanical Engg.	2020-21	0.07	6 months	KSCST	Government
DESIGN AND FABRICATION OF PNEUMATIC COLLAPSIBLE STEERING	Dr. Amarnath G	Mechanical Engg.	2020-21	0.08	6 months	KSCST	Government
DESIGNING OF UAV USING GYROSCOPIC GIMBAL FRAMEWORK	Shridharmurthy	Mechanical Engg.	2020-21	0.08	6 months	KSCST	Government


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2019-20							
SMART GLASSES FOR VISUALLY IMPAIRED SYSTEM USING ATMEGA328P AND IOT	Dr. Saravanan.S	Computer Science & Engg.	2019-20	0.045	6 Months	KSCST	Government
IMAGE PROCESSING BASED SOLAR POWERED FIRE DETECTION AND EXTIRPATION ROBOT	Shruthi S	Computer Science & Engg.	2019-20	0.045	6 Months	KSCST	Government
DESIGN AND DEVELOPMENT OF FREE SPACE OPTICAL COMMUNICATION SYSTEM FOR TRANSMITTING VOICE SIGNALS UPTO 1KM DISTANCE LINE OF SIGHT	Somashekar K J / Shyam Sundar N	Electrical & Electronics Engg.	2019-20	0.06	6 Months	KSCST	Government
EFFECTIVE ANALYSIS OF SENTIMENT TWITTER DATA SET USING A UNIFIED ANALYTIC ENGINE	Dhananjaya M K	Computer Science & Engg.	2019-20	0.15	6 Months	canara steel corporation	Non-Government
AUTONOMOUS ROVER WITH FIELD PROTECTION AND CROP HEALTH MONITORING SYSTEM	Dr. Manjunath R	Computer Science & Engg.	2019-20	0.15	6 Months	canara steel corporation	Non-Government
GPS BASED SOLDIER TRACKING AND HEALTH INDICATION SYSTEM	Jyothi R	Computer Science & Engg.	2019-20	0.15	6 Months	canara steel corporation	Non-Government
EFFICIENT IOT ENABLED LANDSLIDE MONITORING	Mala P	Computer Science & Engg.	2019-20	0.2	6 Months	REALM	Non-Government
INNOVATIVE CREATION OF VIRTUAL PERSONAL ASSISTANCE FOR NEW ERA	Sumanth V	Computer Science & Engg.	2019-20	0.15	6 Months	REALM	Non-Government
AIR POLLUTANT VEHICLE TRACKING SYSTEM BASED ON IOT	Vani S	Information Science & Engg.	2019-20	0.15	6 Months	canara steel corporation	Non-Government
DESIGN AND IMPLENTATION OF DRIVER DROWSINESS AND ALCOHOL INTAXICATION	Swetha K B	Information Science & Engg.	2019-20	0.15	6 Months	canara steel corporation	Non-Government


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CEDIT CARD FRAUDULANT TRANSACTION DETECTION	Dr. Naveen M	Information Science & Engg.	2019-20	0.15	6 Months	REALM	Non-Government
VEHICLE TRACKING AND ACCIDENT ALERT SYSTEM USING IOT	Arpitha M	Information Science & Engg.	2019-20	0.15	6 Months	REALM	Non-Government
IDENTIFICATION OF PARKINSON'S DISEASE USING ML ALGORITHM	Swetha K B	Information Science & Engg.	2019-20	0.2	6 Months	REALM	Non-Government
ASSESSMENT AND IMPACT OF DISPOSAL SITE ON G/W SOIL QUANTITY	Ranganathan B A	Civil Engg.	2019-20	0.2	6 Months	canara steel corporation	Non-Government
EXPERIMENT INVESTIGATION OF SEMI TRANSPARENT CONCRETE USING PLASTIC OPTICAL FIBER	Jagadeesh B N	Civil Engg.	2019-20	0.2	6 Months	canara steel corporation	Non-Government
STUDY ON STRENGTH OF GRANITE POWDER CONCRETE AND CHECK FOR CHLORIDE ATTACK	Gunasheela P	Civil Engg.	2019-20	0.2	6 Months	canara steel corporation	Non-Government
PERFORMANCE ANALYSIS OF OUTRIGGER STRUCTURE UNDER DYNAMIC LOADING AND COMPARISON OF DIAGONAL STRUCTURE	Deepika R	Civil Engg.	2019-20	0.2	6 Months	canara steel corporation	Non-Government
STUDY ON THE BEHAVIOUR OF COPPER SLAG AS PARTIAL REPLACEMENT OF FA IN DBM	Priyadarshini H P	Civil Engg.	2019-20	0.2	6 Months	canara steel corporation	Non-Government
REMOTE CONTROLLED PICK AND PLACE ROBOTIC VEHICLE	Dr. Amarnath G	Mechanical Engg.	2019-20	0.2	6 Months	canara steel corporation	Non-Government
MOTORISED WALL PAINTING MACHINE	Dr. L Arulmani	Mechanical Engg.	2019-20	0.2	6 Months	canara steel corporation	Non-Government
PUSH PLATE TIDAL POWER PLANT	Dr. Channabasavaraj S	Mechanical Engg.	2019-20	0.2	6 Months	canara steel corporation	Non-Government

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MECHANICAL PROPERTIES OF AEROSPACE GRADE ALUMINUM ALLOY	Nagesh Kumar	Mechanical Engg.	2019-20	0.2	6 Months	REALM	Non-Government
SOLAR TRACKING SYSTEM WITH WITH IOT FACILITY	Murali G E	Mechanical Engg.	2019-20	0.2	6 Months	REALM	Non-Government
RENEWABLE ENERGY BASED POWER GENERATION OF HIGHWAY AND ITS APPLICATION MONITORING USING IOT	Venkateshan C	Electrical & Electronics Engg.	2019-20	0.15	6 Months	canara steel corporation	Non-Government
DESIGN OF HYBRID ELECTRIC VEHICLE WITH SOLAR ENERGY AND WIRELESS CHARGING	Sowmya G J	Electrical & Electronics Engg.	2019-20	0.15	6 Months	REALM	Non-Government
MANUFACATURING AND TESTING OF METAL AIR BATTERY	Navaneetha Krishna	Electrical & Electronics Engg.	2019-20	0.15	6 Months	REALM	Non-Government
IOT BASED MULTIPURPOSE AGRICULTURAL ROBOT	Girish Kumar B A	Electrical & Electronics Engg.	2019-20	0.15	6 Months	REALM	Non-Government
DESIGN AND IMPLEMENTATION OF REAL TIME MONITORING OF AQUAPONIC SYSTEM USING ATMEG 328P IOT USING PROTEUS DESIGN TOOL	Dr. Sunitha H D	Electronics & Communication Engg.	2019-20	0.2	6 Months	canara steel corporation	Non-Government
UNIVERSAL ECG INCUBATION SYSTEM FOR HATCHING USING ATMEG 328P CONTROLLER IOT AND PROTEUS DESIGN TOOL	Dr. Sunitha H D	Electronics & Communication Engg.	2019-20	0.15	6 Months	canara steel corporation	Non-Government
SELF POWER GENERATION IN SMART VEHICLE	Parimala Gandhi	Electronics & Communication Engg.	2019-20	0.15	6 Months	canara steel corporation	Non-Government
INDUSTRIAL PRODUCTION LINE SAFETY AND MANAGEMENT SYSTEM USING SENSORY UNIT AND IMAGE PROCESSING	Anshu Deepak	Electronics & Communication Engg.	2019-20	0.15	6 Months	REALM	Non-Government
AUTOMATIC TRAFFIC DENSITY CONTROL WITH EMERGENCY SERVICES AND LANE DEVICE	Premasagar H	Electronics & Communication Engg.	2019-20	0.15	6 Months	REALM	Non-Government


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2018-19							
ENTREPRENEURSHIP AWARENESS CAMP	Dr. Channabasavaraj S	Mechanical Engg.	2018-19	0.16	3 days	Department of Science and Technology	Government
ANTI PIRACY SCREENING SYSTEM: MOVIE PIRACY TRACKING USING TEMPORAL VISUAL MODULATION	MOHAN KUMAR B N	Electronics & Communication Engg.	2018-19	0.07	6 Months	KSCST	Government
DESIGN FABRICATION AND ANALYSIS OF PNEUMATIC OCEAN WAVE ENERGY CONVERTOR-2	SHIVALINGAPPA S KUBSAD	Mechanical Engg.	2018-19	0.09	6 Months	KSCST	Government
REDUCTION OF CARBON AND ECONOMIC TREATMENT OF ETTRINGITE FORMATION	GUNASHEELA P	Civil Engg.	2018-19	0.09	6 Months	KSCST	Government
ANTI PIRACY SCREENING SYSTEM: MOVIE PIRACY TRACKING USING TEMPORAL VISUAL MODULATION	Mohan Kumar B N	Electronics & Communication Engg.	2018-19	0.05	6 Months	VTU	Government
SOLDIER POSITION TRACKING AND HEALTH MONITORING SYSTEM	Preamsagar H	Electronics & Communication Engg.	2018-19	0.05	6 Months	VTU	Government
ELECTRICITY COST REDUCING BY ENERGY MANAGEMENT	Renukamba J N	Electrical & Electronics Engg.	2018-19	0.05	6 Months	VTU	Government
TRANSMISSION LINE FAULT MONITORING AND IDENTIFICATION SYSTEM BY USING INTERNET OF THINGS	Navaneetha Krishna R	Electrical & Electronics Engg.	2018-19	0.05	6 Months	VTU	Government
A PROFILE BASED BIG DATA ARCHITECTURE IN AGRICULTURE CONTEXT	Dr. Manjunath R	Computer Science & Engg.	2018-19	0.05	6 Months	VTU	Government
IOT BASED SMART IRRIGATION SYSTEM	Dhananjaya M K	Computer Science & Engg.	2018-19	0.05	6 Months	VTU	Government
ASSESSING CROP RESIDUE COVER BY PREDICTING ENVIRONMENTAL LEVELS/FACTORS	Vinod L B	Information Science & Engg.	2018-19	0.05	6 Months	VTU	Government


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OBSTACLES AVOIDING ROBOT USING CONVOLUTION NEURAL NETWORKS	Arpitha Martin	Information Science & Engg.	2018-19	0.05	6 Months	VTU	Government
DESIGN FABRICATION AND ANALYSIS OF PNEUMATIC OCEAN WAVE ENERGY CONVERTOR-2	Dr. Amarnath G	Mechanical Engg.	2018-19	0.05	6 Months	VTU	Government
PERFORMANCE TEST ON FOUR STROKE PETROL / DIESEL ENGINE BY THE FUEL PRODUCED FROM WASTE PLASTICS	NAGESH KUMAR R	Mechanical Engg.	2018-19	0.05	6 Months	VTU	Government
STUDY ON VOLUME AND QUALITY MANAGEMENT OF BIO MEDICAL WASTE	Gurubasavaraja S G	Civil Engg.	2018-19	0.05	6 Months	VTU	Government
ATMOSPHERIC WATER HARVESTING	Ranganathan B A	Civil Engg.	2018-19	0.05	6 Months	VTU	Government


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UTILISATION CERTIFICATE KSCST : STUDENT PROJECT PROGRAMME – 46th SERIES

Date: 10/08/2023

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road, Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of **Rs. 47,000 (FORTY SEVEN THOUSAND RUPEES)** has been credited vide NEFT: **P132230240892087** dated **12.05.2023** (Transaction date) to **BANK OF BARODA, CHIKKABANAVARA** Account No. **67130200000177** from Karnataka State Council for Science and Technology (KSCST) vide their Grant sanction letter **Ref. No. 7.1.03/SPP/33** dated 24th APRIL 2023 towards 46th Series Student Project Programme (SPP) - 1) 46S_BE_1984 2) 46S_BE_3183 3) 46S_BE_1190 4) 46S_BE_1305 5) 46S_BE_1233 6) 46S_BE_0999 7) 46S_BE_1239 8) 46S_BE_1519 9) 46S_BE_1037 10) 46S_BE_3834. The college has incurred the expenditure of **Rs.47,000 (Forty seven Thousand Rupees)** towards the said project/s. All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution. The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Karnataka State Council for Science and Technology (KSCST). This certificate is provided by us at the specific request of Karnataka State Council for Science and Technology (KSCST) to evidence the utilization of grants in terms of above referred grant sanction letter dated 24th APRIL 2023.

Maheshwala

Signature of the Principal
with Seal

R.R. INSTITUTE OF TECHNOLOGY
Chikkabanavara Bangalore - 560 090

Date: 10-8-23

Place: BANGALORE

Juchika Y
Signature of the Finance / Accounts Officer



Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.
Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11
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FORM GFR 19-A

UTILIZATION CERTIFICATE KSCST : STUDENT PROJECT PROGRAMME – 46th SERIES

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that KSCST has provided partial financial support of Rs. 47,000 towards Student Project Programme - 46 th Series
1.	7.1.01/SPP/33 Dated 24 th APRIL 2023	47,000.00	A sum of Rs Forty-Seven thousand only 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 any to be refunded to KSCST
1.	46S_BE_1984	SEISMOTECTONIC EVALUATION USING GEOMORPHIC TOOLS	CIVIL ENGINEERING / Dr. PRASEEDA E Dr..DIVYA LAKSHMI K S	4,000.00	4,000.00	NIL
2.	46S_BE_3183	HYDROLOGICAL INVESTIGATION OF STORM WATER MANAGEMENT USING GEOSPATIAL TECHNIQUES IN URBAN AREAS	CIVIL ENGINEERING / Mr. GIRISH G	4,000.00	4,000.00	NIL
3.	46S_BE_1190	APP BASED REAL TIME LOCALIZED AIR QUALITY MONITORING AND PREDICTION USING ML	COMPUTER SCIENCE AND ENGINEERING / Dr. NIRANJAN R CHOUGALA	4,000.00	4,000.00	NIL



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4.	46S_BE_1305	AUTOMATED SOLAR BASED ELECTRIC GRASS CUTTER WITH MULTI-PURPOSE ROBOTIC VEHICLE	ELECTRICAL AND ELECTRONICS ENGINEERING / Ms. SUNANDA C V Mr.GOWTHAM GRANDHE	6,000.00	6,000.00	NIL
5.	46S_BE_1233	DESIGN OF INTELLIGENT ADAPTIVE HEADLIGHT SYSTEM FOR AUTOMOBILES	ELECTRONICS AND COMMUNICATION ENGINEERING / Dr. SUNITHA H D	5,000.00	5,000.00	NIL
6.	46S_BE_0999	WEATHER FORECASTING AND MINIMUM SUPPORT PRICE PREDICATION OF CROPS	INFORMATION SCIENCE AND ENGINEERING / Dr. NAVEEN M	4,000.00	4,000.00	NIL
7.	46S_BE_1239	ASSISTIVE DEVICE FOR DEAF, DUMB AND BLIND USING RASPBERRY PI	INFORMATION SCIENCE AND ENGINEERING / Dr. ERAPPA G	4,000.00	4,000.00	NIL
8.	46S_BE_1519	EFFECTIVE UTILIZATION AND MANAGEMENT OF LEFT OVER FOOD	INFORMATION SCIENCE AND ENGINEERING / Dr. NAVEEN M	4,000.00	4,000.00	NIL
9.	46S_BE_1037	DEVELOPMENT OF A DEVICE FOR VEHICLE MONITORING AT BLIND CURVES	MECHANICAL ENGINEERING / Dr. SURESH C N	6,000.00	6,000.00	NIL
10.	46S_BE_3834	DESIGN AND FABRICATION OF GAS ATOMISER TO PRODUCE METAL POWDER FROM INDUSTRIAL WASTE	MECHANICAL ENGINEERING / Dr. CHANNABASAVARAJ S	6,000.00	6,000.00	NIL

[Handwritten Signature]

Signature of the Principal
with Seal

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Date: 10-8-23

Place: BANGALORE

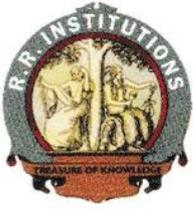
[Handwritten Signature]
Signature of the Finance / Accounts Officer
with Seal



Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore -560 090.

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UTILIZATION CERTIFICATE

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that REALM has provided partial financial support of Rs. 2,60,000 towards Student Project Programme
1	Dated 19.09.2022	Rs. 2,60,000	A sum of Rs Two lakh sixty thousand only 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 for the Project	Amount Utilized by for the Project	Balance if any
1.	22-23_BER_001	Design and Implementation of Women Safety System Using IOT	Computer Science Engineering/ Dr. Niranjana Chougala	15,000.00	15,000.00	Nil
2.	22-23_BER_002	Wearable-AI-Enabled Glasses to assist the Blind in walking, detecting objects, Recognising Faces and Performing NLP	Computer Science Engineering / Dr. Shiva Kumar Swamy	15,000.00	15,000.00	Nil
3.	22-23_BER_003	A Smart Reminder and Medicine Dispenser using IoT	Computer Science Engineering / Veena V	15,000.00	15,000.00	Nil
4.	22-23_BER_004	Crop Recommendation with Crop Price and Yield Prediction Using Machine Learning	Information Science Engineering / Emmanuel R	15,000.00	15,000.00	Nil
5.	22-23_BER_005	GSM Based Vehicle Monitoring and Accident Alert System	Information Science Engineering / Sowmya J	15,000.00	15,000.00	Nil
6.	22-23_BER_006	Smart Home Automation using IoT	Information Science Engineering /Dr. Erappa G	15,000.00	15,000.00	Nil
7.	22-23_BER_007	experimental investigation of self-cleaning pervious concrete to enhance ground water level.	Civil Engineering/ Shiva B R	20,000.00	20,000.00	Nil

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8.	22-23_BER_008	An experimental investigation on partial replacement of fine aggregates by crumb rubber in a Concrete	Civil Engineering / Priyadarshini H P	15,000.00	15,000.00	Nil
9.	22-23_BER_009	raster based automated road alignment & Design of culvert for stream crossing	Civil Engineering / Dr. Kumar R Rao	15,000.00	15,000.00	Nil
10.	22-23_BER_010	Automatic overhead tank cleaning and water monitoring system	Mechanical Engineering/ Dr. Amarnath G	15,000.00	15,000.00	Nil
11.	22-23_BER_011	Design and development of cost effective universal Viberope tree shaker in harvesting by reverse engineering techniques	Mechanical Engineering/ Dr. Manjunatha G	15,000.00	15,000.00	Nil
12.	22-23_BER_012	Low Cost UltraViolet Room Disinfection Device	Electrical Electronics Engineering/ Jhansi K & Mrs.Anusha D Y	15,000.00	15,000.00	Nil
13.	22-23_BER_013	Analysis of Polarising technique to detect earth faults in Subtransmission line using Intelligent Electronic Device- 7SJ80	Electrical Electronics Engineering/ Madhavi D & Pradeesha J	15,000.00	15,000.00	Nil
14.	22-23_BER_014	IOT Based Underground Cable Fault Detection	Electrical Electronics Engineering/ Soumya G J & Mr. Vyshnav B	15,000.00	15,000.00	Nil
15.	22-23_BER_015	Automatic solar powered street lights and GPS operated system to detect and identify traffic rule violation in toll roads and highways	Electronics & Communication Engineering/ Parimala Gandhi G	15,000.00	15,000.00	Nil
16.	22-23_BER_016	Rain sensing automatic car wiper	Electronics & Communication Engineering/ Mohan Kumar B N	15,000.00	15,000.00	Nil
17.	22-23_BER_017	Enhancing the livelyhood of farmers using IOT based monitoring and environment control system for indoor cultivation of mushroom	Electronics & Communication Engineering/ Mallesh B Y	15,000.00	15,000.00	Nil

Maheshwari
PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

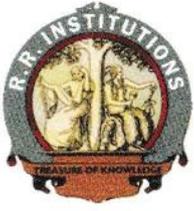
Date:

Place:

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UTILISATION CERTIFICATE

REALM: STUDENT PROJECT PROGRAMME

Date: 17.01.2023

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **2,60,000 (Two Lakh Sixty thousand Rupees)** has been credited vide Cheque No **086002** dated **09.11.2022** to **Bank of Baroda, Chikkabanavara**. Account No. **67130200000177** from REALM vide their Grant sanction letter Ref. No. dated 19.09.2022 towards Student Project Programme 1) 22-23_BER_001 2) 22-23_BER_002 3) 22-23_BER_003 4) 22-23_BER_004 5) 22-23_BER_005 6) 22-23_BER_006 7) 22-23_BER_007 8) 22-23_BER_008 9) 22-23_BER_009 10) 22-23_BER_010 11) 22-23_BER_011 12) 22-23_BER_012 13) 22-23_BER_013 14) 22-23_BER_014 15) 22-23_BER_015 16) 22-23_BER_016 17) 22-23_BER_017. The college has incurred the expenditure of Rs. **260,000 (Two Lakh Sixty thousand Rupees)** towards the said project/s. All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution. The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the REALM. This certificate is provided by us at the specific request of REALM to evidence the utilization of grants in terms of above referred grant sanction letter dated 19.09.2022.

Date:

Place:

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

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UTILIZATION CERTIFICATE

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that Canara steel Corporation has provided partial financial support of Rs. 1,80,000 towards Student Project Programme A sum of Rs One Lakh eighty thousand only has been utilized for the purpose of Student Project Programme for which it was sanctioned.
1	Dated 19.09.2022	Rs. 1,80,000	

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

SI No	Project Proposal Ref. No.	Title of the Project	Department/ Guide	Amount Sanctioned for the Project	Amount Utilized for the Project	Balance if any
1.	22-23_BEC_001	A Smart Biomedical Healthcare System to Detect Stress using IoT, Machine Learning and Artificial Intelligence	Computer Science Engineering / Dr. Manjunath R	15,000.00	15,000.00	Nil
2.	22-23_BEC_002	Farmer's voice chat BOT Using AI/ML	Computer Science Engineering / Shobha Rani	15,000.00	15,000.00	Nil
3.	22-23_BEC_003	GSM Based Monitoring and Alerting in Nebulization System For Asthma Patients	Information Science Engineering /Nishchitha T S	15,000.00	15,000.00	Nil
4.	22-23_BEC_004	IoT Based Weather Monitoring System Along With Twitter Notification	Information Science Engineering / Manjula R C	15,000.00	15,000.00	Nil
5.	22-23_BEC_005	Modification of light poles to enhance road safety	Civil Engineering/ Dr. G Sankara	20,000.00	20,000.00	Nil
6.	22-23_BEC_006	An experimental investigation on mechanical properties of translucent geopolymer concrete	Civil Engineering /Gunashela P	20,000.00	20,000.00	Nil
7.	22-23_BEC_007	Automated water leakage detection, controlling and monitoring system using wireless sensor network for the improvement of water network management	Electronics Engineering/Dr. Shivashankar	20,000.00	20,000.00	Nil

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8.	22-23_BEC_008	Automatic domestic waste segregation system	Mechanical Engineering/ Srinivas K R	20,000.00	20,000.00	Nil
9.	22-23_BEC_009	Fabrication of drone and controlling using virtual reality	Mechanical Engineering/ Kalburgi Bharath	20,000.00	20,000.00	Nil
10.	22-23_BEC_010	Design and fabrication of portable solar winnover	Mechanical Engineering/ Lohithkumar J K	20,000.00	20,000.00	Nil

Date:

Place:

Maheshwari

PRINCIPAL

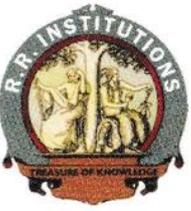
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UTILISATION CERTIFICATE

Canara Steel Corporation: STUDENT PROJECT PROGRAMME

Date: 10.01.2023

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **1,80,000 (One Lakh eighty thousand Rupees)** has been credited vide Cheque No **045612** dated **17.11.2022** to **Bank of Baroda, Chikkabanavara.** Account No. **67130200000177** from Canara Steel Corporation vide their Grant sanction letter Ref. No. dated 19.09.2022 towards Student Project Programme 1) **22-23_BEC_001** 2) **22-23_BEC_002** 3) **22-23_BEC_003** 4) **22-23_BEC_004** 5) **22-23_BEC_005** 6) **22-23_BEC_006** 7) **22-23_BEC_007** 8) **22-23_BEC_008** 9) **22-23_BEC_009** 10) **22-23_BEC_010**. The college has incurred the expenditure of Rs. **1,80,000 (One Lakh eighty thousand Rupees)** towards the said project/s. All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution. The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Canara Steel Corporation. This certificate is provided by us at the specific request of Canara Steel Corporation to evidence the utilization of grants in terms of above referred grant sanction letter dated 19.09.2022.

Date:

Place:

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

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UTILIZATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 45th SERIES

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that KSCST has provided partial financial support of Rs. 34,000 towards Student Project Programme - 45 th Series A sum of Rs Thirty Four Thousand only has been utilized for the purpose of Student Project Programme for which it was sanctioned.
1	7.1.01/SPP/91 26 th April 2022	34,000.00	

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 any to be refunded to KSCST
1.	45S_BE_2337	MANUFACTURE SUSTAINABLE AND ECOFRIENDLY COMPOSITE ROOF TILES FROM WASTE PLASTIC AND DEMOLITION WASTE TO ENHANCE RAINWATER HARVESTING	CIVIL ENGINEERING/Ms. B R SHILPA Mr. VINOD B R	7,000.00	7,000.00	Nil
2.	45S_BE_2078	PARKINSON DISEASE PREDICTION AND ANALYSIS USING MACHINE LEARNING	COMPUTER SCIENCE AND ENGINEERING/Prof. NITHIN K	6,000.00	6,000.00	Nil
3.	45S_BE_2469	DESIGN OF CAMOUFLAGE MILITARY ROBOT IMPLEMENTED WITH BORDER SECURITY SYSTEM USING AI & ML	COMPUTER SCIENCE AND ENGINEERING/Prof. DHANANJAYA M K	6,000.00	6,000.00	Nil
4.	45S_BE_1432	ORGAN DONATION - AN ANDROID APPLICATION	INFORMATION SCIENCE AND ENGINEERING/ Dr. NAVEEN. M	5,000.00	5,000.00	Nil
5.	45S_BE_2312	DESIGN & FABRICATION OF UNDER WATER ROV FOR DETECTING FOREIGN BODIES	MECHANICAL ENGINEERING/ Dr. CHANNABASAVARAJ. S	10,000.00	10,000.00	Nil

Maheshwari

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Date:

Place:

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

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UTILISATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 45th SERIES

Date: 28.11.2022

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **34,000(Thirty Four Thousand)** has been credited vide NEFT:- P165220174535222 dated **14.06.2022** to **Bank of Baroda, Chikkabanavara**. Account No. **67130200000177** from Karnataka State Council for Science and Technology (KSCST) vide their Grant sanction letter Ref. No. 7.1.03/SPP/32 dated 26th April 2022 towards 45th Series Student Project Programme (SPP) - 1) Project reference No. 2) Project reference No. 3) Project reference No. 4) Project reference No. 5) Project reference No. 6) Project reference Nos.

The college has incurred the expenditure of Rs. **34,000(Thirty Four Thousand Rupees)** towards the said project/s.

All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution.

The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Karnataka State Council for Science and Technology (KSCST). This certificate is provided by us at the specific request of Karnataka State Council for Science and Technology (KSCST) to evidence the utilization of grants in terms of above referred grant sanction letter dated 26th April 2022.

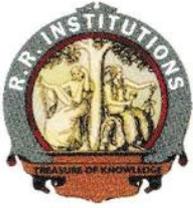
Maheshwari
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY
Chikkabanavara, Bangalore - 560 090.

Date:

Place:

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.
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UTILIZATION CERTIFICATE

Sl. No.	Letter No. and date	Amount (Rs.)	
1	Dated 01.10.2021	Rs. 2,00,000	<p>Certified that Canara steel Corporation has provided partial financial support of Rs. 2,00,000 towards Student Project Programme</p> <p>A sum of Rs Two Lakh only has been utilized for the purpose of Student Project Programme for which it was sanctioned.</p>

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

SI No	Project Proposal Ref. No.	Title of the Project	Department/ Guide	Amount Sanctioned for the Project	Amount Utilized for the Project	Balance if any
1.	21-22_BEC_001	SMART BLIND ASSISTANCE SYSTEM USING INTERNET OF THINGS	Computer Science Engineering / Dr. Niranjana Chougala	15,000.00	15,000.00	Nil
2.	21-22_BEC_002	DETECTION OF CRACKS IN RAILWAY TRACK USING DEEPLARNING NEURAL NETWORK	Computer Science Engineering / Dr. Shiva kumar swamy N	15,000.00	15,000.00	Nil
3.	21-22_BEC_003	INTRUSION DETECTION-PREVENTION SYSTEM FOR ANDROID DEVICES WITH MOBILE APPLICATION DEVELOPMENT	Information Science Engineering /Emmanuel R	15,000.00	15,000.00	Nil
4.	21-22_BEC_004	ML BASED HOSPITAL BEDS AVAILABILITY AND AMBULANCE BOOKING SYSTEM.	Information Science Engineering / Dr. Naveen M	15,000.00	15,000.00	Nil
5.	21-22_BEC_005	DEVELOPMENT OF SUSTAINABLE COMPOSITE ROOF TILE WITH PLASTIC AND DEMOLITION WASTE	Civil Engineering/ Shilpa B R	20,000.00	20,000.00	Nil
6.	21-22_BEC_006	ASSESSMENT OF AIR QUALITY IN BANGALORE BEFORE AND AFTER COVID-19	Civil Engineering /Dr. Praseda E	20,000.00	20,000.00	Nil
7.	21-22_BEC_007	DESIGN & FABRICATION OF FOLDABLE DIY ELECTRIC SCOOTER	Mechanical Engineering/ Murali G E	20,000.00	20,000.00	Nil

8.	21-22_BEC_008	FABRICATION AND TESTING OF VACUUM ASSISTED SMART FLOOR CLEANER ROBOT	Mechanical Engineering/ Dr. Manjunatha	20,000.00	20,000.00	Nil
9.	21-22_BEC_09	GREENHOUSE MONITORING SYSTEM USING IOT FOR PLANT NURSERY	Mechanical Engineering/ Dr. Amarnath G	20,000.00	20,000.00	Nil
10.	21-22_BEC_010	DEFECT DETECTION FOR FORGED METAL PARTS BY IMAGE PROCESSING	Electronics & Communication Engineering/ Dr. Sunitha H D	20,000.00	20,000.00	Nil
11	21-22_BEC_011	WEARABLE SMART MULTIMETER EQUIPPED WITH AR GLASSES BASED ON IOT PLATFORM	Electronics & Communication Engineering/ Mohan Kumar B M	20,000.00	20,000.00	Nil

Maheshwari

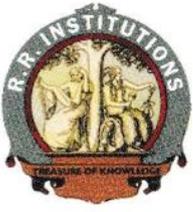
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Date:

Place:



PKM Educational Trust ®

R R Institute of Technology

(Affiliated to VTU and Approved by AICTE, Recognised by Govt. of Karnataka)

Accredited by NAAC and Accredited by NBA for Computer Science & Engineering
Information Science Engineering and Civil Engineering Courses

UTILISATION CERTIFICATE

Canara Steel Corporation: STUDENT PROJECT PROGRAMME

Date: 23.02.2022

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **2,00,000 (Two Lakh Rupees)** has been credited vide Cheque No **001212** dated **07.01.2022** to **Bank of Baroda, Chikkabanavara**. Account No. **67130200000177** from Canara Steel Corporation vide their Grant sanction letter Ref. No. dated 01.10.2021 towards Student Project Programme 1) 21-22_BEC_001 2) 21-22_BEC_002 3) 21-22_BEC_003 4) 21-22_BEC_004 5) 21-22_BEC_005 6) 21-22_BEC_006 7) 21-22_BEC_007 8) 21-22_BEC_008 9) 21-22_BEC_009 10) 21-22_BEC_010 11) 21-22_BEC_011. The college has incurred the expenditure of Rs. **2,00,000 (Two Lakh Rupees)** towards the said project/s. All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution. The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Canara Steel Corporation. This certificate is provided by us at the specific request of Canara Steel Corporation to evidence the utilization of grants in terms of above referred grant sanction letter dated 01.10.2021.

Maheshwari

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Date:

Place:

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11

E-mail : rrit@rrinstitutions.com, www.rrit.ac.in, www.rrinstitutions.com



UTILIZATION CERTIFICATE

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that REALM has provided partial financial support of Rs. 3,10,000 towards Student Project Programme
1	Dated 01.10.2021	Rs. 3,10,000	A sum of Rs Three lakh ten thousand only 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

SI No	Project Proposal Ref. No.	Title of the Project	Department/ Guide	Amount Sanctioned for the Project	Amount Utilized by for the Project	Balance if any
1.	21-22_BER_001	ACCIDENT PREVENTION SYSTEM BY DETECTING DRIVER'S DROWSINESS USING HAAR CASCADE	Computer Science/ Dr. Manjunath R	15,000.00	15,000.00	Nil
2.	21-22_BER_002	IOT ENABLES ELDERLY FALL DETECTION MODEL USING OPTIMAL DEEP CONVOLUTIONAL NEURAL NETWORK FOR SMART HOMECARE.	Computer Science/ Dhananjaya M K	20,000.00	20,000.00	Nil
3.	21-22_BER_003	STUDY OF WEARABLE IOT DEVICES BASED ON SMART GADGET AND GSM FOR WOMEN SAFETY	Computer Science / Balaraju G	15,000.00	15,000.00	Nil
4.	21-22_BER_004	INTELLIGENT SYSTEM FOR PLANTATION USING UBIQUITOUS COMPUTING	Information Science/ Swetha K B	15,000.00	15,000.00	Nil
5.	21-22_BER_005	INTRUSION DETECTION USING MACHINE LEARNING AND DEEP LEARNING IN WIDE AREA NETWORK	Information Science/ Dr. Erappa G	15,000.00	15,000.00	Nil
6.	21-22_BER_006	MORSE CODE BASED SECURED AUTHENTICATION SYSTEM THROUGH ARTIFICIAL INTELLIGENCE	Information Science / Abhilash L bhat	15,000.00	15,000.00	Nil
7.	21-22_BER_007	DYNAMIC BEHAVIOUR OF HIGH RISE RC BUILDING WITH A VERTICAL IRREGULARITY	Civil Engineering/ Deepika R	20,000.00	20,000.00	Nil
8.	21-22_BER_008	ASSESSMENT AND IMPACT OF DISPOSAL SITE ON G/W SOIL QUANTITY	Civil Engineering / Ranganathan B A	20,000.00	20,000.00	Nil
9.	21-22_BER_009	EXPERIMENT INVESTIGATION OF SEMI TRANSPARENT CONCRETE USING PLASTIC OPTICAL FIBER	Civil Engineering / Jagadeesh B N	20,000.00	20,000.00	Nil
10.	21-22_BER_010	EXTRACTION OF CRUDE OIL FROM PLASTIC WASTE	Mechanical Engineering/ Shivak R	20,000.00	20,000.00	Nil



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11.	221-22_BER_011	DESIGN OF SMART HELMET USING MICROCONTROLLER	Mechanical Engineering/ Lohith J K	20,000.00	20,000.00	Nil
12.	21-22_BER_012	IOT BASED SMART INDUSTRIAL PANEL USING PYTHON FOR SPEED CONTROL AND MONITORING OF DC MOTOR	Electrical & Electronics Engg. / Sowmya G J	20,000.00	20,000.00	Nil
13.	21-22_BER_013	DESIGN AND IMPLEMENTATION OF FIRE EXTINGUISHER USING ACOUSTIC SOUND WAVE AND IOT	Electrical & Electronics Engg. / Sunanda C V	15,000.00	15,000.00	Nil
14.	21-22_BER_014	HOME SECURITY AND AUTOMATION SYSTEM	Electrical Engineering/ Madavi Dasari	15,000.00	15,000.00	Nil
15.	21-22_BER_015	GENERATION OF ELECTRICAL ENERGY FROM NOISE AND MECHANICAL STRESS USING PIEZO ELECTRIC MATERIAL	Electrical & Electronics Engg. / Gowtham G	15,000.00	15,000.00	Nil
16.	21-22_BER_016	ASSISTIVE DEVICE FOR PHYSICALLY CHALLENGED PERSONS USING VOICE CONTROLLED INTELLIGENT ROBOTIC ARM	Electronics & Communication Engg. / Anshu Deepak	20,000.00	20,000.00	Nil
17.	21-22_BER_017	GIVING VOICE TO VULNERABLE CHILDREN MACHINE LEARNING ANALYSIS OF SPEECH DETECTS ANXIETY AND DEPRESSION IN EARLY CHILDHOOD	Electronics & Communication Engg. / Parimala Gandhi G	15,000.00	15,000.00	Nil
18.	21-22_BER_018	SIGN LANGUAGE TO TEXT AND SPEECH TRANSLATION IN REAL TIME USING CONVOLUTIONAL NEURAL NETWORK	Electronics & Communication Engg. /Chitharanjan Das V	15,000.00	15,000.00	Nil

Date:

Place:

Mahesh

PRINCIPAL

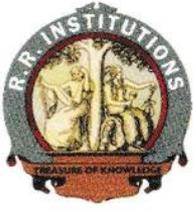
R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

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Information Science Engineering and Civil Engineering Courses

UTILISATION CERTIFICATE

REALM: STUDENT PROJECT PROGRAMME

Date: 13.04.2022

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **3,10,000 (Three Lakh ten thousand Rupees)** has been credited vide Cheque No **002354** dated **08.03.2022** to **Bank of Baroda, Chikkabanavara**. Account No. **6713020000177** from REALM vide their Grant sanction letter Ref. No. dated **01.10.2021** towards Student Project Programme 1) 21-22_BER_001 2) 21-22_BER_002 3) 21-22_BER_003 4) 21-22_BER_004 5) 21-22_BER_005 6) 21-22_BER_006 7) 21-22_BER_007 8) 21-22_BER_008 9) 21-22_BER_009 10) 21-22_BER_010 11) 21-22_BER_011 12) 21-22_BER_012 13) 21-22_BER_013 14) 21-22_BER_014 15) 21-22_BER_015 16) 21-22_BER_016 17) 21-22_BER_017 18) 21-22_BER_018. The college has incurred the expenditure of Rs.**3,10,000 (Three Lakh ten thousand Rupees)** towards the said project/s. All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution. The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the REALM. This certificate is provided by us at the specific request of REALM to evidence the utilization of grants in terms of above referred grant sanction letter dated 01.10.2021.

Mahesh

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Date:

Place:

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11

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UTILIZATION CERTIFICATE

Sl. No.	Letter No. and date	Amount (Rs.)	
1	Dated 29.07.2019	Rs. 3,00,000	<p>Certified that Canara steel Corporation has provided partial financial support of Rs. 3,00,000 towards Student Project Programme</p> <p>A sum of Rs Three Lakh only has been utilized for the purpose of Student Project Programme for which it was sanctioned.</p>

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 for the Project	Amount Utilized for the Project	Balance if any
1.	19-20_BEC_001	EFFECTIVE ANALYSIS OF SENTIMENT TWITTER DATA SET USING A UNIFIED ANALYTIC ENGINE	Computer Science Engineering / Dhananjaya M K	15,000.00	15,000.00	Nil
2.	19-20_BEC_002	AUTONOMOUS ROVER WITH FIELD PROTECTION AND CROP HEALTH MONITORING SYSTEM	Computer Science Engineering / Dr. Manjunath R	15,000.00	15,000.00	Nil
3.	19-20_BEC_003	GPS BASED SOLDIER TRACKING AND HEALTH INDICATION SYSTEM	Computer Science Engineering / Jyothi R	15,000.00	15,000.00	Nil
4.	19-20_BEC_004	AIR POLLUTANT VEHICLE TRACKING SYSTEM BASED ON IOT	Information Science Engineering / Vani S	15,000.00	15,000.00	Nil
5.	19-20_BEC_005	DESIGN AND IMPLMENTATION OF DRIVER DROWSINESS AND ALCOHOL INTAXICATION	Information Science Engineering / Swetha K B	15,000.00	15,000.00	Nil
6.	19-20_BEC_006	ASSESSMENT AND IMPACT OF DISPOSAL SITE ON G/W SOIL QUANTITY	Civil Engineering/ Ranganathan B A	20,000.00	20,000.00	Nil
7.	19-20_BEC_007	EXPERIMENT INVESTIGATION OF SEMI TRANSPARENT CONCRETE USING PLASTIC OPTICAL FIBER	Civil Engineering / Jagadeesh B N	20,000.00	20,000.00	Nil
8.	19-20_BEC_008	STUDY ON STRENGTH OF GRANITE POWDER CONCRETE AND CHECK FOR CHLORIDE ATTACK	Civil Engineering / Gunasheela P	20,000.00	20,000.00	Nil
9.	19-20_BEC_009	PERFORMANCE ANALYSIS OF OUTRIGGER STRUCTURE UNDER DYNAMIC LOADING AND COMPARISON OF DIAGONAL STRUCTURE	Civil Engineering / Deepika R	20,000.00	20,000.00	Nil

Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

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10.	19-20_BEC_010	STUDY ON THE BEHAVIOUR OF COPPER SLAG AS PARTIAL REPLACEMENT OF FA IN DBM	Civil Engineering / Priyadarshini H P	20,000.00	20,000.00	Nil
11.	19-20_BEC_011	REMOTE CONTROLLED PICK AND PLACE ROBOTIC VEHICLE	Mechanical Engineering/ Dr. Amarnath G	20,000.00	20,000.00	Nil
12.	19-20_BEC_012	MOTORISED WALL PAINTING MACHINE	Mechanical Engineering/ Dr. L Arulmani	20,000.00	20,000.00	Nil
13.	19-20_BEC_013	PUSH PLATE TIDAL POWER PLANT	Mechanical Engineering/ Dr. Channabasavaraj S	20,000.00	20,000.00	Nil
14.	19-20_BEC_014	RENEWABLE ENERGY BASED POWER GENERATION OF HIGHWAY AND ITS APPLICATION MONITORING USING IOT	Electrical & Electronics Engineering/ Venkateshan C	15,000.00	15,000.00	Nil
15.	19-20_BEC_014	DESIGN AND IMPLEMENTATION OF REAL TIME MONITORING OF AQUAPONIC SYSTEM USING ATMEG 328P IOT USING PROTEUS DESIGN TOOL	Electronics & Communication Engineering/ Dr. Sunitha H D	20,000.00	20,000.00	Nil
16.	19-20_BEC_016	UNIVERSAL ECG INCUBATION SYSTEM FOR HATCHING USING ATMEG 328P CONTROLLER IOT AND PROTEUS DESIGN TOOL	Electronics & Communication Engineering/ Dr. Sunitha H D	15,000.00	15,000.00	Nil
17.	19-20_BEC_017	SELF POWER GENERATION IN SMART VEHICLE	Electronics & Communication Engineering/ Parimala Gandhi	15,000.00	15,000.00	Nil

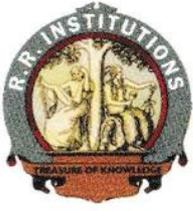
Maheshwari

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY
Chikkabanavara, Bangalore - 560 090.

Date:

Place:



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UTILISATION CERTIFICATE

Canara Steel Corporation: STUDENT PROJECT PROGRAMME

Date: 15.01.2020

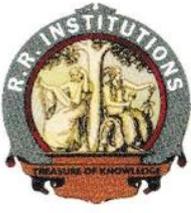
This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **3,00,000 (Three Lakh Rupees)** has been credited vide Cheque No **000103** dated **17.12.2019** to **Bank of Baroda, Chikkabanavara**. Account No. **67130200000177** from Canara Steel Corporation vide their Grant sanction letter Ref. No. dated 29.07.2019 towards Student Project Programme 1) 21-22_BEC_001 2) 21-22_BEC_002 3) 21-22_BEC_003 4) 21-22_BEC_004 5) 21-22_BEC_005 6) 21-22_BEC_006 7) 21-22_BEC_007 8) 21-22_BEC_008 9) 21-22_BEC_009 10) 21-22_BEC_010 11) 21-22_BEC_011. The college has incurred the expenditure of Rs. **2,00,000 (Two Lakh Rupees)** towards the said project/s. All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution. The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Canara Steel Corporation. This certificate is provided by us at the specific request of Canara Steel Corporation to evidence the utilization of grants in terms of above referred grant sanction letter dated 29.07.2019.

Date:

Place:

Maheshwari
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY
Chikkabanavara, Bangalore - 560 090.



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UTILIZATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 44th SERIES

Sl. No.	Letter No. and date	Amount (Rs.)	
1	7.1.03/SPP/31 24 th March 2021	33,500.00	<p>Certified that KSCST has provided partial financial support of Rs. 33,500 towards Student Project Programme - 44th Series</p> <p>A sum of Rs Thirty Three thousand five hundred only has been utilized for the purpose of Student Project Programme for which it was sanctioned.</p>

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 any to be refunded to KSCST
1.	44S_BE_2069	IOT BASED AIR QUALITY MONITORING SYSTEM USING MQ135 AND MQ7 WITH MACHINE LEARNING ANALYSIS	INFORMATION SCIENCE AND ENGINEERING/ Dr. NAVEEN. M	5,000.00	5,000.00	Nil
2.	44S_BE_4147	GROUND WATER CHARACTERIZATION AND QUALITY ASSESSMENT-A CASE STUDY IN CHICKBANAVARA TOWN	CIVIL ENGINEERING/ GIRISH G	5,500.00	5,500.00	Nil
3.	44S_BE_2455	DESIGN AND FABRICATION OF HOVERBOARD	MECHANICAL ENGINEERING/ Dr. CHANNABASAVARAJ. S	7,000.00	7,000.00	Nil
4.	44S_BE_4099	DESIGN AND FABRICATION OF PNEUMATIC COLLAPSIBLE STEERING	MECHANICAL ENGINEERING/ Dr. AMARNATH G	8,000.00	8,000.00	Nil
5.	44S_BE_2456	DESIGNING OF UAV USING GYROSCOPIC FRAMEWORK	MECHANICAL ENGINEERING/ SHRIDHARAMURTHY H N	8,000.00	8,000.00	Nil

Maheshwari
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY
Chikkabanavara, Bangalore - 560 090.

Date:

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

Place

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Information Science Engineering and Civil Engineering Courses**

Date: 11.08.2021

UTILISATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 44th SERIES

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **33,500 (Thirty three thousand five hundred Rupees)** has been credited vide NEFT:- 21060501033898 dated **05.06.2021** to **Bank of Baroda, Chikkabanavara**. Account No. **67130200000177** from Karnataka State Council for Science and Technology (KSCST) vide their Grant sanction letter Ref. No. 7.1.03/SPP/31 dated 24th March 2021 towards 44th Series Student Project Programme (SPP) - 1) Project reference No. 2) Project reference No. 3) Project reference No. 4) Project reference No. 5) Project reference No. 6) Project reference Nos.

The college has incurred the expenditure of Rs. **33,500 (Thirty three thousand five hundred Rupees)** towards the said project/s.

All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution.

The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Karnataka State Council for Science and Technology (KSCST). This certificate is provided by us at the specific request of Karnataka State Council for Science and Technology (KSCST) to evidence the utilization of grants in terms of above referred grant sanction letter dated 24th March 2021.

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

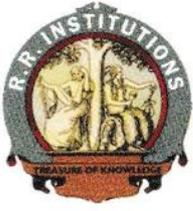
Date: 11-08-2021

Place: Bangalore

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

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UTILIZATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 43rd SERIES

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that KSCST has provided partial financial support of Rs. 15,000 towards Student Project Programme - 45 th Series
1	7.1.03/SPP 19 th February 2020	15,000.00	A sum of Rs Fifteen thousand only 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 any to be refunded to KSCST
1.	43S_BE_3824	SMART GLASSES FOR VISUALLY IMPAIRED SYSTEM USING ATMEGA328P AND IOT	COMPUTER SCIENCE AND ENGINEERING/Dr. SARAVANAN	4,500.00	4,500.00	Nil
2.	43S_BE_0341	IMAGE PROCESSING BASED SOLAR POWERED FIRE DETECTION AND EXTIRPATION ROBOT	COMPUTER SCIENCE AND ENGINEERING/Prof. SHRUTHI S	4,500.00	4,500.00	Nil
3..	43S_BE_3394	DESIGN AND DEVELOPMENT OF FREE SPACE OPTICAL COMMUNICATION SYSTEM FOR TRANSMITTING VOICE SIGNALS UPTO 1KM DISTANCE LINE OF SIGHT	ELECTRICAL AND ELECTRONICS ENGINEERING/Prof. K J SOMASHEKARA Prof. N SHYAMSUNDAR	6,000.00	6,000.00	Nil

Mahesh

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Date:

Place:

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

Phone : +91-80-28391554, 080 28391553 Fax : +91-80-28391552, Mob : 78997 43333, Call : 888 000 11 11

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PKM Educational Trust ®

R R Institute of Technology

(Affiliated to VTU and Approved by AICTE, Recognised by Govt. of Karnataka)

Accredited by NAAC and Accredited by NBA for Computer Science & Engineering
Information Science Systems and Civil Engineering Courses

UTILISATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 43rd SERIES

Date: 30.09.2020

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **15,000(Fifteen thousand rupees)** has been credited vide NEFT:- P20060399563677 and P20091852178618 dated 03.06.2020 and 18.09.2020 to **Bank of Baroda, Chikkabanavara**. Account No. **67130200000177** from Karnataka State Council for Science and Technology (KSCST) vide their Grant sanction letter Ref. No. 7.1.03/SPP/ dated 19th February 2020 towards 43rd Series Student Project Programme (SPP) - 1) Project reference No. 2) Project reference No. 3) Project reference No. 4) Project reference No. 5) Project reference No. 6) Project reference Nos.

The college has incurred the expenditure of Rs. **15,000(Fifteen thousand Rupees)** towards the said project/s.

All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution.

The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Karnataka State Council for Science and Technology (KSCST). This certificate is provided by us at the specific request of Karnataka State Council for Science and Technology (KSCST) to evidence the utilization of grants in terms of above referred grant sanction letter dated 19th February 2020.

Maheshwari

PRINCIPAL

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Chikkabanavara, Bangalore - 560 090.

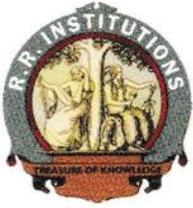
Date:

Place:

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Information Science Engineering and Civil Engineering Courses**

UTILIZATION CERTIFICATE

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that REALM has provided partial financial support of Rs. 2,00,000 towards Student Project Programme A sum of Rs Two lakh Rupees has been utilized for the purpose of Student Project Programme for which it was sanctioned.
1	Dated 29.07.2019	Rs. 2,00,000	

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 for the Project	Amount Utilized by for the Project	Balance if any
1.	19-20_BER_001	EFFICIENT IOT ENABLED LANDSLIDE MONITORING	Computer Science Engineering/ Mala P	20,000.00	20,000.00	Nil
2.	19-20_BER_002	INNOVATIVE CREATION OF VIRTUAL PERSONAL ASSISTANCE FOR NEW ERA	Computer Science Engineering/ Sumanth V	15,000.00	15,000.00	Nil
3.	19-20_BER_003	CREDIT CARD FRAUDULANT TRANSACTION DETECTION	Information Science Engineering / Dr. Naveen M	15,000.00	15,000.00	Nil
4.	19-20_BER_004	VEHICLE TRACKING AND ACCIDENT ALERT SYSTEM USING IOT	Information Science Engineering / Arpitha M	15,000.00	15,000.00	Nil
5.	19-20_BER_005	IDENTIFICATION OF PARKINSON'S DISEASE USING ML ALGORITHM	Information Science Engineering / Swetha K B	20,000.00	20,000.00	Nil
6.	19-20_BER_006	MECHANICAL PROPERTIES OF AEROSPACE GRADE ALUMINUM ALLOY	Mechanical Engineering / Nagesh Kumar	20,000.00	20,000.00	Nil
7.	19-20_BER_007	SOLAR TRACKING SYSTEM WITH WITH IOT FACILITY	Mechanical Engineering / Murali G E	20,000.00	20,000.00	Nil
8.	19-20_BER_008	DESIGN OF HYBRID ELECTRIC VEHICLE WITH SOLAR ENERGY AND WIRELESS CHARGING	Electrical & Electronics Engineering/ Sowmya G J	15,000.00	15,000.00	Nil
9.	19-20_BER_009	MANUFACATURING AND TESTING OF METAL AIR BATTERY	Electrical & Electronics Engineering / Navaneetha Krishna	15,000.00	15,000.00	Nil
10.	19-20_BER_010	IOT BASED MULTIPURPOSE AGRICULTURAL ROBOT	Electrical & Electronics Engineering/ Girish Kumar B A	15,000.00	15,000.00	Nil

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

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E-mail : rrit@rrinstitutions.com, www.rrit.ac.in, www.rrinstitutions.com

11.	19-20_BER_011	INDUSTRIAL PRODUCTION LINE SAFETY AND MANAGEMENT SYSTEM USING SENSORY UNIT AND IMAGE PROCESSING	Electronics & Communication Engineering / Anshu Deepak	15,000.00	15,000.00	Nil
12.	19-20_BER_012	AUTOMATIC TRAFFIC DENSITY CONTROL WITH EMERGENCY SERVICES AND LANE DEVICE	Electronics & Communication Engineering. / Premsagar H	15,000.00	15,000.00	Nil

Maheshwari
PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY
Chikkabanavara, Bangalore - 560 090.

Date:

Place:



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Accredited by NAAC and Accredited by NBA for Computer Science & Engineering
Information Science Engineering and Civil Engineering Courses

UTILISATION CERTIFICATE

REALM: STUDENT PROJECT PROGRAMME

Date: 08.01.2020

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **2,00,000 (Two Lakh Rupees)** has been credited vide Cheque No **004250** dated **20.11.2019** to **Bank of Baroda, Chikkabanavara**. Account No. **67130200000177** from REALM vide their Grant sanction letter Ref. No. dated **29.07.2019** towards Student Project Programme
1) 19_20_BER_001 2) 19_20_BER_002 3) 19_20_BER_003 4) 19_20_BER_004 5) 19_20_BER_005 6) 19_20_BER_006 7) 19_20_BER_007 8) 19_20_BER_008 9) 19_20_BER_009 10) 19_20_BER_010 11) 19_20_BER_011 12) 19_20_BER_012
The college has incurred the expenditure of Rs. **2,00,000 (Two Lakh Rupees)** towards the said project/s. All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution. The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the REALM. This certificate is provided by us at the specific request of REALM to evidence the utilization of grants in terms of above referred grant sanction letter dated 29.07.2019

Maheshwari

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

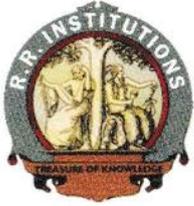
Date:

Place:

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

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Information Science Engineering and Civil Engineering Courses

UTILIZATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 42nd SERIES

Sl. No.	Letter No. and date	Amount (Rs.)	
1	7.1.01/SPP/1333	25,000.00	<p>Certified that KSCST has provided partial financial support of Rs. 25,000 towards Student Project Programme - 45th Series</p> <p>A sum of Rs Twenty five thousand only has been utilized for the purpose of Student Project Programme for which it was sanctioned.</p>

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 any to be refunded to KSCST
1.	42S_BE_1336	ANTI PIRACY SCREENING SYSTEM: MOVIE PIRACY TRACKING USING TEMPORAL VISUAL MODULATION	ELECTRONICS & COMMUNICATION ENGINEERING/ MOHAN KUMAR B N	7,000.00	7,000.00	Nil
2.	42S_BE_1340	DESIGN FABRICATION AND ANALYSIS OF PNEUMATIC OCEAN WAVE ENERGY CONVERTOR-2	MECHANICAL ENGINEERING/Dr. SHIVALINGAPPA KUBSAD S	9,000.00	9,000.00	Nil
3..	42S_BE_3008	REDUCTION OF CARBON AND ECONOMIC TREATMENT OF ETTRINGITE FORMATION	CIVIL ENGINEERING/Prof. GUNASHEELA P	9,000.00	9,000.00	Nil

Maheshwari

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Chikkabanavara, Bangalore - 560 090.

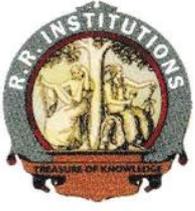
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Information Science Engineering and Civil Engineering Courses**

UTILISATION CERTIFICATE

KSCST : STUDENT PROJECT PROGRAMME – 43rd SERIES

Date: 30.09.2020

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **25,000(Fifteen thousand rupees)** has been credited vide NEFT:- dated 27.03.2019 to **Bank of Baroda, Chikkabanavara.** Account No. **67130200000177** from Karnataka State Council for Science and Technology (KSCST) vide their Grant sanction letter Ref. No. 7.1.01/SPP/1333 towards 42nd Series Student Project Programme (SPP) - 1) Project reference No. 2) Project reference No. 3) Project reference No. 4) Project reference No. 5) Project reference No. 6) Project reference Nos.

The college has incurred the expenditure of Rs. **25,000(Twenty five thousand Rupees)** towards the said project/s.

All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution.

The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the Karnataka State Council for Science and Technology (KSCST). This certificate is provided by us at the specific request of Karnataka State Council for Science and Technology (KSCST) to evidence the utilization of grants in terms of above referred grant sanction letter dated 27.03.2019.

Maheshwari

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY
Chikkabanavara, Bangalore - 560 090.

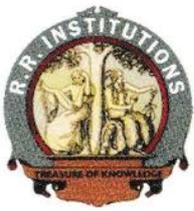
Date:

Place:

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

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Information Science Engineering and Civil Engineering Courses**

UTILIZATION CERTIFICATE

Sl. No.	Letter No. and date	Amount (Rs.)	Certified that REALM has provided partial financial support of Rs. 60,000 towards Student Project Programme
1	VTU/BGM/Aca.OS/Gen-Cir/2018-19/10716,dt 02.03.2019	Rs. 60,000	A sum of Rs Sixty Thousand Rupees 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 for the Project	Amount Utilized by for the Project	Balance if any
1.	18-19_BEV_001	ANTI PIRACY SCREENING SYSTEM: MOVIE PIRACY TRACKING USING TEMPORAL VISUAL MODULATION	Electronics Communication Engineering / Mohan Kumar B N	5,000.00	5,000.00	Nil
2.	18-19_BEV_002	SOLDIER POSITION TRACKING AND HEALTH MONITORING SYSTEM	Electronics Communication Engineering / Preamsagar H	5,000.00	5,000.00	Nil
3.	18-19_BEV_003	A PROFILE BASED BIG DATA ARCHITECTURE IN AGRICULTURE CONTEXT	Computer Science Engineering / Dr. Manjunath R	5,000.00	5,000.00	Nil
4	18-19_BEV_004	IOT BASED SMART IRRIGATION SYSTEM	Computer Science Engineering / Dhananjaya M K	5,000.00	5,000.00	Nil
5.	18-19_BEV_005	ASSESSING CROP RESIDUE COVER BY PREDICTING ENVIRONMENTAL LEVELS/FACTORS	Information Science Engineering / Vinod L B	5,000.00	5,000.00	Nil
6	18-19_BEV_006	OBSTACLES AVOIDING ROBOT USING CONVOLUTION NEURAL NETWORKS	Information Science Engineering / Arpitha Martin	5,000.00	5,000.00	Nil

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Information Science Engineering and Civil Engineering Courses**

7	18-19_BEV_007	DESIGN FABRICATION AND ANALYSIS OF PNEUMATIC OCEAN WAVE ENERGY CONVERTOR-2	Mechanical Engineering / Dr. Amarnath G	5,000.00	5,000.00	Nil
8	18-19_BEV_008	PERFORMANCE TEST ON FOUR STROKE PETROL / DIESEL ENGINE BY THE FUEL PRODUCED FROM WASTE PLASTICS	Mechanical Engineering / Nagesh Kumar R	5,000.00	5,000.00	Nil
9	18-19_BEV_009	ELECTRICITY COST REDUCING BY ENERGY MANAGEMENT	Electrical & Electronics Engineering/ Renukamba J N	5,000.00	5,000.00	Nil
10	18-19_BEV_010	TRANSMISSION LINE FAULT MONITORING AND IDENTIFICATION SYSTEM BY USING INTERNET OF THINGS	Electrical & Electronics Engineering/ Navaneetha Krishna R	5,000.00	5,000.00	Nil
11	18-19_BEV_011	STUDY ON VOLUME AND QUALITY MANAGEMENT OF BIO MEDICAL WASTE	Civil Engineering/ Gurubasavaraja S G	5,000.00	5,000.00	Nil
12	18-19_BEV_012	ATMOSPHERIC WATER HARVESTING	Civil Engineering/ Ranganathan B A	5,000.00	5,000.00	Nil

Mahesh

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Chikkabanavara, Bangalore - 560 090.

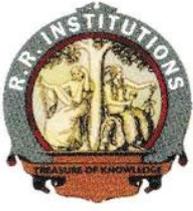
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Information Science Engineering and Civil Engineering Courses

UTILISATION CERTIFICATE

REALM: STUDENT PROJECT PROGRAMME

Date: 08.08.2019

This is to certify that **R R Institute of Technology, Bangalore** having its office / institution at **Hesaraghatta Main Road ,Chikkabanavara, Bangalore-560090** Karnataka has been granted a sum of Rs. **60,000 (Sixty Thousand Rupees)** has been credited vide Cheque No **640610** dated **04.07.2019** to **Bank of Baroda, Chikkabanavara**. Account No. **67130200000177** from VTU vide their Grant sanction letter Ref. No. dated 02.03.2019 towards Student Project Programme 1) 18-19_BEV_0012) 18-19_BEV_002 3) 18-19_BEV_003 4) 18-19_BEV_004 5) 18-19_BEV_005 6) 18-19_BEV_006 7) 18-19_BEV_007 8) 18-19_BEV_008 9) 18-19_BEV_009 10) 18-19_BEV_010 11) 18-19_BEV_011 12) 1-19_BEV_012 The college has incurred the expenditure of Rs. **60,000 (Sixty Thousand Rupees)** towards the said project/s. All the expenditure voucher / invoices are duly accounted by the college and is authenticated by the Principal and Accounts Officer / Finance Officer of our institution.

The above information is extracted from the books of accounts and documents produced before us and information and explanations provided to us. We further certify that, we have verified the relevant books of accounts and documents / bills / vouchers and found that the said amount has been utilized for the purposes as laid down by the VTU. This certificate is provided by us at the specific request of VTU to evidence the utilization of grants in terms of above referred grant sanction letter dated 02.03.2019

Mahesh

PRINCIPAL

R.R. INSTITUTE OF TECHNOLOGY

Chikkabanavara, Bangalore - 560 090.

Date:

Place:

Raja Reddy Layout, Near Chikkabanavara Railway Station, Chikkabanavara, Hesaraghatta Road, Bangalore - 560 090.

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3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years

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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

46th series of Student Project Programme (SPP): 2022-23

List of Student Project Proposals Approved for Sponsorship

137. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (RS.)
989.	46S_BE_1984	SEISMOTECTONIC EVALUATION USING GEOMORPHIC TOOLS	B.E.	CIVIL ENGINEERING	Dr. PRASEEDA E Dr. DIVYA LAKSHMI K S	Ms. RUMA NOATIA Mr. MANAHAR NISHAD Mr. YASHWANTH K	4,000.00
990.	46S_BE_3183	HYDROLOGICAL INVESTIGATION OF STORM WATER MANAGEMENT USING GEOSPATIAL TECHNIQUES IN URBAN AREAS	B.E.	CIVIL ENGINEERING	Mr. GIRISH G	Ms. PINKI MACHAHARY Ms. R LALBUATSAIHA Mr. DEV ANAND S	4,000.00
991.	46S_BE_1190	APP BASED REAL TIME LOCALIZED AIR QUALITY MONITORING AND PREDICTION USING ML	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. NIRANJAN R CHOUGALA	Mr. JEEVAN SUTAR Mr. KAUSHAL SINGH KUNWAR Mr. KARAN RAY THARU Mr. AMAN LALL JOSHI	4,000.00
992.	46S_BE_1305	AUTOMATED SOLAR BASED ELECTRIC GRASS CUTTER WITH MULTI-PURPOSE ROBOTIC VEHICLE	B.E.	ELECTRICAL AND ELECTRONICS ENGINEERING	Ms. SUNANDA C V Mr. GOWTHAM GRANDHE	Mr. DHEERAJ K Mr. DHANUSH S Ms. BHOOMIKA R Ms. THEJASWINI B	6,000.00
993.	46S_BE_1233	DESIGN OF INTELLIGENT ADAPTIVE HEADLIGHT SYSTEM FOR AUTOMOBILES	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. SUNITHA H D	Mr. VISHNU K V Ms. SHUBHASHREE B Mr. ABHISHEK N M	5,000.00
994.	46S_BE_0999	WEATHER FORECASTING AND MINIMUM SUPPORT PRICE PREDICATION OF CROPS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. NAVEEN M	Mr. JAVED CHOWDHURY Mr. VYAS BALAKRISHNA R Ms. BABITA KURMI Ms. MEGHASHREE ROY	4,000.00

995.	46S_BE_1239	ASSISTIVE DEVICE FOR DEAF, DUMB AND BLIND USING RASPBERRY PI	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. ERAPPA G	Ms. RUPAM PAL Ms. ADITI SAHU Mr. ROHIT VIKRAM Mr. RAUNAK RAJ	4,000.00
996.	46S_BE_1519	EFFECTIVE UTILIZATION AND MANAGEMENT OF LEFT OVER FOOD	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. NAVEEN M	Mr. SHASHANK S Mr. KUSHAL C Ms. DHANYA SHREE M Ms. RAKSHITHA H S	4,000.00
997.	46S_BE_1037	DEVELOPMENT OF A DEVICE FOR VEHICLE MONITORING AT BLIND CURVES	B.E.	MECHANICAL ENGINEERING	Dr. SURESH C N	Mr. GANESH PUN Ms. JAY SHRESTHA Mr. ISHTIYAQUE AHMED KHAN Mr. MD OWAIS ANSARI	6,000.00
998.	46S_BE_3834	DESIGN AND FABRICATION OF GAS ATOMISER TO PRODUCE METAL POWDER FROM INDUSTRIAL WASTE	B.E.	MECHANICAL ENGINEERING	Dr. CHANNABASAVARAJ S	Ms. RANJAN L R Mr. SHIVAM SINHA Mr. YASHWANTH K M Mr. IMAMSAB	6,000.00

Transaction Details:

NAME OF THE ACCOUNT HODLER	DATE OF TRANSACTION	TRANCTION DETAILS	AMOUNT
R R INSTITUTE OF TECHNOLOGY	12-05-2023	NEFT Dr-P132230240892087-R R INSTITUTE OF TECHNOLOGYBARB0VJCHIK	47,000.00



Karnataka State Council for Science and Technology

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Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@isc.ac.in, office@kscst.org.in • Website: www.kscst.isc.ernet.in, www.kscst.org.in

Dr. U T Vijay

Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

To,

The Principal,

R.R. Institute of Technology,

Raja Reddy Layout, Chikkabanavara,

Hesaraghatta Main Road,

Bengaluru – 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_1519

Ref : Project Proposal entitled **EFFECTIVE UTILIZATION AND MANAGEMENT OF LEFT OVER FOOD**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Mr. SHASHANK S	Department	INFORMATION SCIENCE AND ENGINEERING
	Mr. KUSHAL C		
	Ms. DHANYA SHREE M		
	Ms. RAKSHITHA H S		
Guide(s)	Dr. NAVEEN M	Sanctioned Amount (in Rs.)	4,000.00

Instructions:

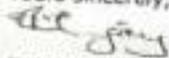
- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWtaJjvrwzp3Wmvt6>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
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- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(s) shall be uploaded in the following Google Forms Link <https://forms.gle/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
INFORMATION SCIENCE AND ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. NAVEEN M
INFORMATION SCIENCE AND ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
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Dr. U T Vijay
Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

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The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_0999

Ref : Project Proposal entitled **WEATHER FORECASTING AND MINIMUM SUPPORT PRICE PREDICATION OF CROPS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Mr. JAVED CHOWDHURY	Department	INFORMATION SCIENCE AND ENGINEERING
	Mr. VYAS BALAKRISHNA R.		
	Ms. BABITA KURMI		
	Ms. MEGHASHREE ROY		
Guide(s)	Dr. NAVEEN M	Sanctioned Amount (in Rs.)	4,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
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 - Name of the students & Guide(s)
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 - Objectives (about 10 lines)

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

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- 2) Dr. NAVEEN M
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Dr. U T Vijay
Executive Secretary

Ref: 7.1.01/SPP/33

24th April, 2023

To,
The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_1239

Ref : Project Proposal entitled **ASSISTIVE DEVICE FOR DEAF, DUMB AND BLIND USING RASPBERRY PI**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Ms. RUPAM PAL	Department	INFORMATION SCIENCE AND ENGINEERING
	Ms. ADITI SAHU		
	Mr. ROHIT VIKRAM		
	Mr. RAJNAK RAJ		
Guide(s)	Dr. ERAPPA G	Sanctioned Amount (in Rs.)	4,000.00

Instructions:

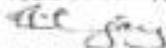
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 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

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R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. ERAPPA G
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- 3) THE ACCOUNTS OFFICER
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Dr. U T Vijay
Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

To,
The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_1305

Ref : Project Proposal entitled **AUTOMATED SOLAR BASED ELECTRIC GRASS CUTTER WITH MULTI-PURPOSE ROBOTIC VEHICLE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Mr. DHEERAJ K	Department	ELECTRICAL AND ELECTRONICS ENGINEERING
	Mr. DHANUSH S		
	Ms. BHOOMIKA R		
	Ms. THEJASWINI B		
Guide(s)	Ms. SUNANDA C V	Sanctioned Amount (in Rs.)	6,000.00
	Mr. GOWTHAM GRANDHE		

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWTaJjvrwzp3Wmvt6>. The synopsis should include following:
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 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
ELECTRICAL AND ELECTRONICS ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Ms. SUNANDA C V Mr. GOWTHAM GRANDHE
ELECTRICAL AND ELECTRONICS ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



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Dr. U T Vijay
Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

To,
The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_1190

Ref : Project Proposal entitled **APP BASED REAL TIME LOCALIZED AIR QUALITY MONITORING AND PREDICTION USING ML**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Mr. JEEVAN SUTAR	Department	COMPUTER SCIENCE AND ENGINEERING
	Mr. KAUSHAL SINGH KUNWAR		
	Mr. KARAN RAY THARU		
	Mr. AMAN LALL JOSHI		
Guide(s)	Dr. NIRANJAN R CHOUGALA	Sanctioned Amount (in Rs.)	4,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
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 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

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Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
COMPUTER SCIENCE AND ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. NIRANJAN R CHOUGALA
COMPUTER SCIENCE AND ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
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Dr. U T Vijay
Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

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The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_1037

Ref : Project Proposal entitled **DEVELOPMENT OF A DEVICE FOR VEHICLE MONITORING AT BLIND CURVES**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Mr. GANESH PUN	Department	MECHANICAL ENGINEERING
	Ms. JAY SHRESTHA		
	Mr. ISHTIYAQUE AHMED KHAN		
	Mr. MD OWAIS ANSARI		
Guide(s)	Dr. SURESH C N	Sanctioned Amount (in Rs.)	6,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
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(U T Vijay)

Copy to:

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MECHANICAL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. SURESH C N
MECHANICAL ENGINEERING
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Dr. U T Vijay

Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

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The Principal,
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Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_3834

Ref : Project Proposal entitled **DESIGN AND FABRICATION OF GAS ATOMISER TO PRODUCE METAL POWDER FROM INDUSTRIAL WASTE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Ms. RANJAN L R	Department	MECHANICAL ENGINEERING
	Mr. SHIVAM SINHA		
	Mr. YASHWANTH K M		
	Mr. IMAMSAB		
Guide(s)	Dr. CHANNABASAVARAJ S	Sanctioned Amount (in Rs.)	6,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
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Copy to:

- 1) The HoD
MECHANICAL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. CHANNABASAVARAJ S
MECHANICAL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



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Dr. U T Vijay
Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

To,
The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_1984

Ref : Project Proposal entitled **SEISMOTECTONIC EVALUATION USING GEOMORPHIC TOOLS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Ms. RUMA NOATIA	Department	CIVIL ENGINEERING
	Mr. MANAHAR NISHAD		
	Mr. YASHWANTH K		
Guide(s)	Dr. PRASEEDA E	Sanctioned Amount (in Rs.)	4,000.00
	Dr. DIVYA LAKSHMI K S		

Instructions:

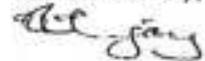
- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWTaJvrwzp3Wmvt6>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
- e) In case of incompeted projects, the sanctioned amount shall be returned to KSCST.
- f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
- g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(s) shall be uploaded in the following Google Forms Link <https://forms.gle/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
CIVIL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. PRASEEDA E Dr. DIVYA LAKSHMI K S
CIVIL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)
Indian Institute of Science Campus, Bengaluru – 560 012
Telephone: 080-23341652, 23348848, 23348849, 23348840
Email: office.kscst@iisc.ac.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. U T Vijay
Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

To,
The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_3183
Ref : Project Proposal entitled **HYDROLOGICAL INVESTIGATION OF STORM WATER
MANAGEMENT USING GEOSPATIAL TECHNIQUES IN URBAN
AREAS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Ms. PINKI MACHAHARY	Department	CIVIL ENGINEERING
	Ms. R LALBUATSAIHA		
	Mr. DEV ANAND S		
Guide(s)	Mr. GIRISH G	Sanctioned Amount (in Rs.)	4,000.00

Instructions:

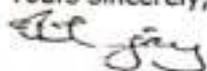
- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWTaJjvrwzp3Wmvt6>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
CIVIL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Mr. GIRISH G
CIVIL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341052, 23348848, 23348849, 23348840

Email: office.kscst@psc.ac.in, office@kscst.org.in • Website: www.kscst.tsc.ac.in, www.kscst.org.in

Dr. U T Vijay
Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

To,
The Principal,
R.R. Institute of Technology,
Raja Resdy Layout, Chikkabanavara,
Heisaraghatta Main Road,
Bengaluru - 560 090,

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_BE_1233

Ref : Project Proposal entitled **DESIGN OF INTELLIGENT ADAPTIVE HEADLIGHT SYSTEM FOR AUTOMOBILES**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Mr. VISHNU K V	Department	ELECTRONICS AND COMMUNICATION ENGINEERING
	Ms. SHUBHASHREE B		
	Mr. ADHISHEK N M		
Guide(s)	Dr. SUNITHA H D	Sanctioned Amount (In Rs.)	5,000.00

Comments / Suggestions of the Experts

Only it is not clear how MATLAB code will be interfaced and is it bunch of LED's controlled or individual ones.

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWtaJjvrwzp3Wmvt6>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department

Canara Steel Corporation

Dealers in : **IRON & STEEL**

Sri Muneshwara IndL. Estate, Peenya, BANGALORE - 58, E-mail : canarasteel@gmail.com

Ph : 080-41170381, Mob : 98803 34064

Ref.

Date : 17.11.2022

To,

The Principal
RR Institute of Technology
Chikkabanavara, Bangalore 560090

Sir,

Subject: Sanction of Support to R & D
Reference: The letter dated:19-09-2022

Greetings from Canara Steel Corporation

With reference to the subject, letter cited above, & discussions at our office, we are happy to sanction the funds of Rs. 1,80,000/- to support the R & D activities of your college.

Please find enclosed Cheque No: 045612 Dated:17-11-2022.

Thank you & All the Best.



From,
Dileep Sudendra
Canara Steel Corporation
Sri Muneshwara Ind Estate, Peenya
Bangalore-58



Hotel Ujjawata International, 1st Phase, Peenya Industrial Estate, Peenya,
Bengaluru - 560058
Karnataka India
IFSC : KKBK0008036

दिनांक
Date

- Valid for three months from the date of issue
17.11.2022
D D M M Y Y Y Y

या धारक को Or Bearer

Pay

R.R. Institute of Technology

रुपये Rupees

one Lakh Eighty Thousand only

अदा करें।

₹

1,80,000/-

BUSINESS FINANCE CURRENT
ACCOUNT
CBS

For Canara Steel Corporation

खाता नं
A/C No. 6111798041

Authorised Signatory
Please sign above

16-11-2022

Payable At-par at all branch locations of Kotak Mahindra Bank Ltd.

⑈002000⑈ 5604850171: 045612 ⑈ 30

09.11.2022

To,
The Principal
RR Institute of Technology
Chikkabanavara, Bangalore 560090

Sir,

Subject: Sanction of Support to R & D
Reference: The letter dated: 19-09-2022

Greetings from REALM, a design domain.

With reference to the subject, letter cited above, & discussions at our office, we are happy to sanction the funds of Rs.2,60,000/- to support the R & D activities of your college.

Please find enclosed Cheque No: 086002 Dated: 09.11.2022.

Thank you & All the Best.



From,
Sriraj.B, Managing Partner Realm
#6,3rd cross, M.K.Puttalingaiah road,
Padmanabhanagar,
Bangalore-560070.



Jayanagar 7th Block Branch
 A/ Towers, No. 509, 8Th Cross, Jayanagar 7Th Block, Bangalore - 560 082.
 RTGS / NEFT / IFS Code : ICIC0000251



VALID FOR THREE MONTHS ONLY
 09 | 11 | 2022
 D D M M Y Y Y Y

Pay R R Institute of Technology OR ORDER

Rupees Two lakh Sixty thousand
Only ₹ 2,60,000/-

A/c No. 025105008284

23/7/19

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REALM

 AUTHORIZED SIGNATORIES
 Please sign above



⑈000855⑈ 5602290161: 086002 ⑈ 29

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

114. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	BUDGET RECOMMENDED
817.	45S_BE_2337	MANUFACTURE SUSTAINABLE AND ECOFRIENDLY COMPOSITE ROOF TILES FROM WASTE PLASTIC AND DEMOLITION WASTE TO ENHANCE RAINWATER HARVESTING	B.E.	CIVIL ENGINEERING	Ms. B R SHILPA Mr. VINOD B R	Mr. DEEPAK THAKUR Mr. DHIRAJ SAH Ms. SINCHANA M Mr. BASAVAN GOWDA P	7,000.00
818.	45S_BE_2078	PARKINSON DISEASE PREDICTION AND ANALYSIS USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. NITHIN K	Mr. KIRAN KUMAR V C Mr. JACKSON GEORGE Mr. JAMES M AUGUSTINE	6,000.00
819.	45S_BE_2469	DESIGN OF CAMOUFLAGE MILITARY ROBOT IMPLEMENTED WITH BORDER SECURITY SYSTEM USING AI & ML	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. DHANANJAYA M K	Mr. SUMAN KUMAR DEY Ms. POOJA N Ms. PRIYADARSHINI H Ms. SHREYA BAJPAI	6,000.00
820.	45S_BE_1432	ORGAN DONATION - AN ANDROID APPLICATION	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. NAVEEN. M	Ms. JAHNAVI SANJEEV NADGIR Ms. NAYANA S	5,000.00
821.	45S_BE_2312	DESIGN & FABRICATION OF UNDER WATER ROV FOR DETECTING FOREIGN BODIES	B.E.	MECHANICAL ENGINEERING	Dr. CHANNABASAVARAJ. S	Mr. TABREJ ALAM ANSARI Mr. TRINAYAN BORTHAKUR Mr. AMIT KUMAR BHAGAT	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.

Transaction Details:

NAME OF THE ACCOUNT	DATE OF TRANSACTION	DESCRIPTION	TRANSFERRED AMOUNT
R.R. INSTITUTE OF TECHNOLOGY	14-06-22	NEFT DR- P165220174535222- BARB0VJCHIK-R R INSTITUTE OF TECHNOLOGY-NEFT BY KSCST	34,000.00



Mr. H. Hemanth Kumar

Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,
R.R. Institute of Technology,
Raja Reddy Layout,
Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090

Dear Sir/Madam,

Sub : Sanction of Student Project - 45th Series: Year 2021-2022

Project Proposal Reference No. : 45S_BE_2337

Ref : Project Proposal entitled **MANUFACTURE SUSTAINABLE AND ECOFRIENDLY COMPOSITE ROOF TILES FROM WASTE PLASTIC AND DEMOLITION WASTE TO ENHANCE RAINWATER HARVESTING**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 45th Series". The project details are as below:

Student(s)	Mr. DEEPAK THAKUR	Department	CIVIL ENGINEERING
	Mr. DHIRAJ SAH		
	Ms. SINCHANA M		
	Mr. BASAVAN GOWDA P		
Guide(s)	Ms. B R SHILPA	Sanctioned Amount (in Rs.)	7,000.00
	Mr. VINOD B R		

Instructions:

- a) The project should be performed based on the objectives of the proposal submitted.
- b) Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- c) Please quote your project reference number printed above in all your future correspondences.
- d) After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/YMn9K7XETu96i8KbA>. The synopsis should include following:
 - 1) Project Reference Number
 - 2) Title of the project
 - 3) Name of the College & Department
 - 4) Name of the students & Guide(s)
 - 5) Keywords
 - 6) Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - 7) Objectives (about 10 lines)

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
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 - g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/PciAaAVisn6bn8AM7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
CIVIL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Ms. B R SHILPA Mr. VINOD B R
CIVIL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU

Date: 08.03.2022

To,
The Principal
RR Institute of Technology
Chikkabanavara, Bangalore 560090

Sir,
Subject: Sanction of support to R & D
Reference: The letter dated: 01-10-2021

Greetings from REALM, a design domain.

With reference to the subject, letter cited above, & discussions at our office, we are happy to sanction the funds of Rs.3,10,000/- to support the R & D activities of your college.

Please find enclosed Cheque No:002354 Dated: 08.03.2022.

Thank you & All the Best.



From,
Sriraj.B, Managing Partner Realm
#6, 3rd cross, M.K.Puttalingaiah road,
Padmanabhanagar,
Bangalore-560070.



Jayanagar 7th Block Branch
 AJ Towers, No. 509, 8th Cross, Jayanagar 7th Block, Bangalore - 560 082.
 RTGS / NEFT / IFS Code : ICIC0000251



VALID FOR THREE MONTHS ONLY

08 03 2022

D D M M Y Y Y Y

Pay

RR Institute of Technology

OR ORDER

Rupees

Three lakh Ten Thousand Only

₹

3,10,000/-

A/c No.

025105008284

CABUS CBS
 BUSINESS BANKING : NEW CURRENT ACCOUNT
 Payable at par at all branches of ICICI Bank Limited in India

23/7/19



REALM

[Signature]

AUTHORISED SIGNATORIES

Please sign above

⑈000855⑈ 5602290161: 002354⑈ 29

SESHAASAI(B)/CTS - 2010



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348849, 23348849, 23348849

Email: office.kscst@isc.ac.in, officeng@kscst.org.in • Website: www.kscst.org.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,
R.R. Institute of Technology,
Raja Reddy Layout,
Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090

Dear Sir/Madam,

Sub : Sanction of Student Project - 45th Series: Year 2021-2022

Project Proposal Reference No. : 45S_BE_2078
Ref : Project Proposal entitled **PARKINSON DISEASE PREDICTION AND ANALYSIS USING MACHINE LEARNING**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 45th Series". The project details are as below:

Student(s)	Mr. KIRAN KUMAR V C	Department	COMPUTER SCIENCE AND ENGINEERING
	Mr. JACKSON GEORGE		
	Mr. JAMES M AUGUSTINE		
Guide(s)	Prof. NITHIN K	Sanctioned Amount (in Rs.)	6,000.00

Comments / Suggestions of the Experts

Only Data set testing is reported and not clinical trials is presented

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/YMn9K7XETu96i8KbA>. The synopsis should include following:
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 - Title of the project
 - Name of the College & Department

- 4) Name of the students & Guide(s)
 - 5) Keywords
 - 6) Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
COMPUTER SCIENCE AND ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Prof. NITHIN K
COMPUTER SCIENCE AND ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



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Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341052, 23348848, 23348849, 23348840

Email: office.kscst@isc.ac.in, office@kscst.org.in • Website: www.kscst.isc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar

Executive Secretary

Ref: 7.1.01/SPP/91

11th May, 2022

The Principal,

R.R. Institute of Technology,
Raja Reddy Layout,
Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090

Dear Sir/Madam,

Sub : Sanction of Student Project - 45th Series: Year 2021-2022

Project Proposal Reference No. : 45S_BE_2469

Ref : Project Proposal entitled **DESIGN OF CAMOUFLAGE MILITARY ROBOT IMPLEMENTED WITH BORDER SECURITY SYSTEM USING AI & ML**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 45th Series". The project details are as below:

Student(s)	Mr. SUMAN KUMAR DEY	Department	COMPUTER SCIENCE AND ENGINEERING
	Ms. POOJA N		
	Ms. PRIYADARSHINI H		
	Ms. SHREYA BAJPAI		
Guide(s)	Prof. DHANANJAYA M K	Sanctioned Amount (in Rs.)	6,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
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 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(s) shall be uploaded in the following Google Forms Link <https://forms.gle/PciAaAVisn6bn8AM7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
COMPUTER SCIENCE AND ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Prof. DHANANJAYA M K
COMPUTER SCIENCE AND ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@isc.ac.in, office@kscst.org.in • Website: www.kscst.isc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar

Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,
R.R. Institute of Technology,
Raja Reddy Layout,
Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru - 560 090

Dear Sir/Madam,

Sub : Sanction of Student Project - 45th Series: Year 2021-2022

Project Proposal Reference No. : 455_BE_2312

Ref : Project Proposal entitled

DESIGN & FABRICATION OF UNDER WATER ROV FOR DETECTING FOREIGN BODIES

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 45th Series". The project details are as below:

Student(s)	Msr. TABREJ ALAM ANSARI	Department	MECHANICAL ENGINEERING
	Mr. TRINAYAN BORTHAKUR		
	Mr. AMIT KUMAR BHAGAT		
Guide(s)	Dr. CHANNABASAVARAJ. S	Sanctioned Amount (in Rs.)	10,000.00

Instructions:

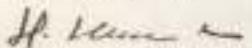
- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/YMn9K7XETu96i8KbA>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
- e) In case of incompleted projects, the sanctioned amount shall be returned to KSCST.
- f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
- g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(s) shall be uploaded in the following Google Forms Link <https://forms.gle/PciAaAVisn6bn8AM7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,


(H. Hemanth Kumar)

Copy to:

- 1) The HoD
MECHANICAL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. CHANNABASAVARAJ. S
MECHANICAL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@isc.ac.in, office@kscst.org.in • Website: www.kscst.isc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,
R.R. Institute of Technology,
Raja Reddy Layout,
Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru – 560 090

Dear Sir/Madam,

Sub : Sanction of Student Project - 45th Series: Year 2021-2022

Project Proposal Reference No. : 45S_BE_1432

Ref : Project Proposal entitled ORGAN DONATION - AN ANDROID APPLICATION

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 45th Series". The project details are as below:

Student(s)	Ms. JAHNAVI SANJEEV NADGIR	Department	INFORMATION SCIENCE AND ENGINEERING
	Ms. NAYANA S		
Guide(s)	Dr. NAVEEN. M	Sanctioned Amount (in Rs.)	5,000.00

Comments / Suggestions of the Experts

Integrate software to NGOs

Instructions:

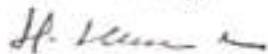
- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/YMn9K7XETu96i8KbA>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
- 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 10) Scope for future work (about 20 lines).
- e) In case of incompleted projects, the sanctioned amount shall be returned to KSCST.
- f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
- g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
- h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and student(s) shall be uploaded in the following Google Forms Link <https://forms.gle/PciAaAVisn6bn8AM7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
MECHANICAL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 2) Dr. CHANNABASAVARAJ. S
MECHANICAL ENGINEERING
R.R. INSTITUTE OF TECHNOLOGY, BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU

Canara Steel Corporation

Dealers in : **IRON & STEEL**

Sri Muneshwara IndL. Estate, Peenya, BANGALORE - 58, E-mail : canarasteel@gmail.com

Ph : 080-41170381, Mob : 98803 34064

Ref

Date : 07.01.2022.....

To,
The Principal
RR Institute of Technology
Chikkabanavara, Bangalore 560090

Sir,

Subject: Sanction of support to R & D
Reference: The letter dated:01-10-2021

Greetings from Canara Steel Corporation

With reference to the subject, letter cited above & discussions at our office, we are happy to sanction the funds of Rs.2,00,000/- to support the R & D activities of your college.

Please find enclosed Cheque No:001212 Dated: 07.01.2022.

Thank you & All the Best.



From,
Dileep Sudendra
Canara Steel Corporation
Sri Muneshwara Ind.Estate,Peenya
Bangalore-58



Hotel Ujjawala International, 1st Phase, Peenya Industrial Estate, Peenya,
Bengaluru - 560058
Karnataka India
IFSC : KKBK0008036

Valid for three months from the date of issue

दिनांक
Date

07 01 2022
D D M M Y Y Y Y

Pay R. R. Institute of Technology

या धारक को Or Bearer

रुपये Rupees

Two Lakh only

अदा करें।

₹ 2,00,000/-

खाता सं.
A/C No.

6111798041

BUSINESS FINANCE CURRENT
ACCOUNT
CBS

For Canara Steel Corporation

Authorised Signatory
Please sign above

16-11-2022

Payable At-par at all branch locations of Kotak Mahindra Bank Ltd.

⑈002000⑈ 5604850171: 001212 ⑈ 30

120. R.R. 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.)
797.	44S_BE_2069	IoT BASED AIR QUALITY MONITORING SYSTEM USING MQ135 AND MQ7 WITH MACHINE LEARNING ANALYSIS	INFORMATION SCIENCE AND ENGINEERING	B.E.	Dr. NAVEEN M	Mr. MARTHAS Ms. KAVYASHREE S Mr. VINUTHA G S Ms. SWETA GUPTA	5000.00
798.	44S_BE_2455	DESIGN AND FABRICATION OF HOVERBOARD	MECHANICAL ENGINEERING	B.E.	Dr. CHANNABASAVARAJ	Mr. MANSIF KUMAR YADAV Mr. SUNCHIT LAWANIYA Mr. SURESH ASHU Mr. ROSHAN KUMAR SAH	7000.00
799.	44S_BE_2456	DESIGNING OF UAV USING GYROSCOPIC GIMBAL FRAMEWORK	MECHANICAL ENGINEERING	B.E.	Mr. SHRIDHARMURTHY H N	Mr. SOORAJ P Mr. ULLAS K V Mr. SAJIN A S Mr. JITHINRAJ	8000.00
800.	44S_BE_4099	DESIGN AND FABRICATION OF PNEUMATIC COLLAPSIBLE STEERING	MECHANICAL ENGINEERING	B.E.	Dr. AMARNATH G	Mr. BHARATH R Mr. SIDDHARTH N Mr. GIRISH M A	8000.00
801.	44S_BE_4147	GROUND WATER CHARACTERIZATION AND QUALITY ASSESSMENT - A CASE STUDY IN CHIKKABANAVARA TOWN	CIVIL ENGINEERING	B.E.	Mr. GIRISH G	Mr. KIRAN R Mr. MANOJ R Ms. LAXMI Ms. SUNITHA N	5500.00

Note:

- Transaction details of sanctioned amount of **Rs. 33500/-** credited on **5th June 2021** by **NEFT 21060501033898R.R. INSTITUTE OF TECHNOLOGY**
- The evaluation of above projects will be conducted during July / August 2021 via online mode and participation in the online evaluation process is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- Submit **softcopy of Synopsis in pdf (as per the format preferred in the KSCST website)** and report (PDF format in a single file) of project by **20th July 2021**, which will be uploaded in **KSCST SPP portal**.
- Synopsis and report must be named with Reference ID provided by KSCST (Eg: **44S_BE_0001**).



Karnataka State Council for Science and Technology

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Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@iisc.ac.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar

Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal

R.R. Institute of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S_BE_4147

Ref : Your Project Proposal entitled " **GROUND WATER CHARACTERIZATION AND QUALITY ASSESSMENT - A CASE STUDY IN CHIKKABANAVARA TOWN**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Kiran R	Budget	
		Particulars	Amount (Rs.)
Student / s	Mr. Manoj R		
	Ms. Laxmi	Materials/Consumables	4,000.00
	Ms. Sunitha N	Labour	-
	Mr. Girish G	Travel	500.00
Guide/s		Miscellaneous	500.00
		Report	500.00
Department	Civil Engineering	Total	5,500.00
FIVE THOUSAND FIVE HUNDRED RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

- 6) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K
SPP Coordinator
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru – 560 090
- 2) Mr. Girish G
Department of Civil Engineering
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru – 560 090
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



Karnataka State Council for Science and Technology

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Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080 23341652, 23348848, 23348849, 23348840

Email: office.kscst@isc.ac.in, office@kscst.org.in • Website: www.kscst.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal

R.R. Institute of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S_BE_2069

Ref : Your Project Proposal entitled " **IoT BASED AIR QUALITY MONITORING SYSTEM USING MQ135 AND MQ7 WITH MACHINE LEARNING ANALYSIS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Mr. Martha . S Ms. Kavyashree S Mr. Vinutha G S Ms. Sweta Gupta	Budget	
		Particulars	Amount (Rs)
Guide/s	Dr. Naveen . M	Materials/Consumables	4,000.00
		Labour	-
		Travel	-
Department	Information Science And Engineering	Miscellaneous	500.00
		Report	500.00
		Total	5,000.00

FIVE THOUSAND RUPEES ONLY

The following are the guidelines to carryout the project work :

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- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

- 5) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

DISCUSS ML ANALYSIS OF SENSOR DATA. BRINGOUT A METHOD TO CHECK AIR QUALITY

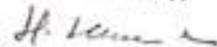
The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K
SPP Coordinator
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090
- 2) Dr. Naveen . M
Department of Information Science And Engineering
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090
- 3) The Finance Officer, KSCST, Bengaluru

End: As Above



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Email: office.kscst@isc.ernet.in, office@kscst.org.in Website: www.kscst.org.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: T.1.01/SPP/10

The Principal
R.R. Institute of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090

Dear Sir/Madam,

Sub: Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_2455**

Ref: Your Project Proposal entitled " **DESIGN AND FABRICATION OF HOVERBOARD** "

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Mansif Kumar Yadav Mr. Sunchit Lawaniya Mr. Suresh Ashu Mr. Roshan Kumar Sah	Budget	
		Particulars	Amount (Rs.)
Guide/s	Dr. ChannabasavaraJ	Travel	500.00
		Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
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- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.isc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

- 6) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K
SPP Coordinator
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090
- 2) Dr. Channabasavara
Department of Mechanical Engineering
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



Karnataka State Council for Science and Technology

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Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080 23341852, 23348849, 23348848, 23348849

Email: office.kscst@isc.ernet.in, office@kscst.org.in • Website: www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/599/10

The Principal
R.R. Institute of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series- Year 2020-2021

Your Project Proposal Reference No. : 44S_BE_2456

Ref : Your Project Proposal entitled " **DESIGNING OF UAV USING GYROSCOPIC GIMBAL FRAMEWORK**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Soora J P	Budget	
		Particulars	Amount (Rs.)
Mr. Ullas K V	Mr. Sajin A S	Materials/Consumables	6,000.00
		Labour	500.00
		Travel	500.00
Mr. Jithinraj	Mr. Shridharmurthy H N	Miscellaneous	500.00
		Report	500.00
Department	Mechanical Engineering	Total	8,000.00

EIGHT THOUSAND RUPEES ONLY

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
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- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.isc.ernet.in] and should include following :
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 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

- 6) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
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(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K
SPP Coordinator
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090
- 2) Mr. Shridharmurthy H N
Department of Mechanical Engineering
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



Karnataka State Council for Science and Technology
 (An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)
 Indian Institute of Science Campus, Bengaluru - 560 012
 Telephone: 080 23341032, 23345840, 23348848, 23348840
 Email: office.kscst@isc.ernet.in, office@kscst.org.in • Website: www.kscst.ernet.in, www.kscst.org.in

Mr. N. Hemanth Kumar
 Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
 I.I.T. Institute of Technology
 Raja Reddy Layout
 Chikkabanavara Hesaraghatta Main Road
 Bengaluru - 560 090

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021
 Your Project Proposal Reference No. : **44S_BE_4099**
 Ref : Your Project Proposal entitled * **DESIGN AND FABRICATION OF PNEUMATIC COLLAPSIBLE STEERING**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Bharath R. Mr. Siddharth N Mr. Girish M A	Budget	
		Particulars	Amount (Rs.)
Guide/s	Dr. Amamath G	Materials/Consumables	6,000.00
		Labour	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		Total	8,000.00
EIGHT THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- a) The project should be performed based on the objectives of the proposal sent by you.
- b) The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- c) Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- d) Please quote your **project reference number printed above** in all your future correspondences.
- e) **Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - 1) Title of the project
 - 2) Name of the College & Department
 - 3) Name of the students & Guide(s)
 - 4) Keywords

- 6) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to (by email):

- 1) Mr. Dhananjaya M K
SPP Coordinator
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090
- 2) Dr. Amarnath G
Department of Mechanical Engineering
R.R. Institute Of Technology
Raja Reddy Layout
Chikkabanavara Hesaraghatta Main Road
Bengaluru - 560 090
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	PROJECT STREAM	NAME OF THE GUIDE(S)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (in Rs.)
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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23600978

43rd Series of Student Project Programme: 2019-20

LIST OF STUDENT PROJECT PROPOSALS APPROVED FOR SPONSORSHIP

111) R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

619.	43S_BE_0341	IMAGE PROCESSING BASED SOLAR POWERED FIRE DETECTION AND EXTIRPATION ROBOT	COMPUTER SCIENCE AND ENGINEERING	B.E.	STREAM A	Prof. SHRUTHI S	Mr. GEORGE JAMES Mr. BIRBAL SUBBA Mr. ASRAAR CONTRACTOR AHMED Mr. PRADIP GHARTI MAGAR	4500.00
620.	43S_BE_3394	DESIGN AND DEVELOPMENT OF FREE SPACE OPTICAL COMMUNICATION SYSTEM FOR TRANSMITTING VOICE SIGNALS UPTO 1KM DISTANCE LINE OF SIGHT	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	STREAM A	Prof. K J SOMASHEKARA Prof. N SHYAMSUNDAR	Ms. SNEHA S GOWDA Ms. GANTHIMARRI SUPRIYA Ms. NAHETRIVELI MAHITASOA VICTORIA	6000.00
621.	43S_BE_3824	SMART GLASSES FOR VISUALLY IMPAIRED SYSTEM USING ATMEGA328P AND IOT	COMPUTER SCIENCE AND ENGINEERING	B.E.	STREAM A	Dr. SARAVANAN S	Mr. ANKIT YADAV Mr. VISHAL GUPTA Mr. RAKSHIT KOUL Mr. RITU RAJ	4500.00

Note:

The sanctioned amount will be sent separately by KSCST to the College in the name of the principal by NEFT transfer. The details of transaction no. and date will be intimated.

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 spp@kscst.iisc.ernet.in.



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in
office.kscst@iisc.ac.in

Mr. H. Hemanth Kumar
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,
R.R. Institute of Technology,
Bengaluru - 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S_BE_3824**

Ref : Your Project Proposal entitled " **SMART GLASSES FOR VISUALLY IMPAIRED SYSTEM USING ATMEGA328P AND IOT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Ankit Yadav Mr. Vishal Gupta Mr. Rakshit Koul Mr. Ritu Raj	Budget	
		Particulars	Amount (Rs.)
Guide/s	Dr. Saravanan S ✓	Travel	-
	-	Miscellaneous	500.00
Department	Computer Science And Engineering	Report	500.00
		Total	4,500.00

Four Thousand Five Hundred Rupees Only

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

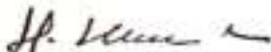
The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,


(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of
Computer Science And Engineering
R.R. Institute Of Technology,
Bengaluru - 560 090.
- 2) Dr. Saravanan S
Department of Computer Science And Engineering
R.R. Institute Of Technology,
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,
R.R. Institute of Technology,
Bengaluru - 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020
Your Project Proposal Reference No. : **43S_BE_0341**

Ref : Your Project Proposal entitled " **IMAGE PROCESSING BASED SOLAR POWERED FIRE DETECTION AND EXTIRPATION ROBOT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. George James Mr. Birbal Subba Mr. Asraar Contractor Ahmed Mr. Pradip Gharti Magar	Budget	
		Particulars	Amount (Rs.)
Guide/s	Prof. Shruthi S ✓	Materials/Consumables	3,500.00
	-	Labour	-
Department	Computer Science And Engineering	Travel	-
		Miscellaneous	500.00
		Report	500.00
		Total	4,500.00
Four Thousand Five Hundred Rupees Only			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
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- Please quote your **project reference number printed above** in all your future correspondences.
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 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

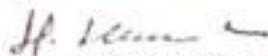
The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,


(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of
Computer Science And Engineering
R.R. Institute Of Technology,
Bengaluru - 560 090.
- 2) Prof. Shruthi S
Department of Computer Science And Engineering
R.R. Institute Of Technology,
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in
office.kscst@iisc.ac.in

Mr. H. Hemanth Kumar
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,
R.R. Institute of Technology,
Bengaluru - 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S_BE_3394**

Ref : Your Project Proposal entitled " **DESIGN AND DEVELOPMENT OF FREE SPACE OPTICAL COMMUNICATION SYSTEM FOR TRANSMITTING VOICE SIGNALS UPTO 1KM DISTANCE LINE OF SIGHT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Ms. Sneha S Gowda Ms. Ganthimarri Supriya Ms. Nahetrivelo Mahitasoa Victoria -	Budget	
		Particulars	Amount (Rs.)
Guide/s	Prof. K J Somashekara ✓	Materials/Consumables	4,000.00
	Prof. N Shyamsundar ✓	Labour	500.00
Department	Electrical And Electronics Engineering	Travel	500.00
		Miscellaneous	500.00
		Report	500.00
		Total	6,000.00
Six Thousand Rupees Only			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

- 6) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

- e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of
Electrical And Electronics Engineering
R.R. Institute Of Technology,
Bengaluru - 560 090.
- 2) Prof. K J Somashekara
Department of Electrical And Electronics Engineering
R.R. Institute Of Technology,
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above

Canara Steel Corporation

Dealers in : **IRON & STEEL**

Sri Muneshwara IndL. Estate, Peenya, BANGALORE - 58, E-mail : canarasteel@gmail.com

Ph : 080-41170381, Mob : 98803 34064

Ref

Date : 17.12.2019

To,
The Principal
RR Institute of Technology
Chikkabanavara, Bangalore 560090

Sir,

Subject: Sanction of support to R & D
Reference: The letter dated:29-07-2019

Greetings from Canara Steel Corporation

With reference to the subject, letter cited above & discussions at our office, we are happy to sanction the funds of Rs.3,00,000/- to support the R & D activities of your college.

Please find enclosed Cheque No:000103 Dated: 17.12.2019.

Thank you & All the Best.



From,
Dileep Sudendra
Canara Steel Corporation
Sri Muneshwara Ind.Estate,Peenya
Bangalore-58



Hotel Ujjawala International, 1st Phase, Peenya Industrial Estate, Peenya,
Bengaluru - 560058
Karnataka India
IFSC : KKBK0008036

Valid for three months from the date of issue

दिनांक
Date

17 12 20 19
D D M M Y Y Y Y

Pay R R Institute Of Technology

या धारक को Or Bearer

रुपये Rupees Three Lakh only

अदा करें।

₹

3,00,000/-

खाता सं.
A/C No. 6111798041

BUSINESS FINANCE CURRENT
ACCOUNT
CBS

For Canara Steel Corporation

Authorised Signatory
Please sign above

16-11-2022

Payable At-par at all branch locations of Kotak Mahindra Bank Ltd.

⑈00 2000⑈ 560485017⑈ 000103⑈ 30

Date: 20.11.2019

To,
The Principal
RR Institute of Technology
Chikkabanavara, Bangalore 560090

Sir,
Subject: Sanction of support to R & D
Reference: The letter dated: 29-07-2019

Greetings from REALM, a design domain.

With reference to the subject, letter cited above, & discussions at our office, we are happy to sanction the funds of Rs.2,00,000/- to support the R & D activities of your college.

Please find enclosed Cheque No:004250 Dated: 20.11.2019.

Thank you & All the Best.



From,
Sriraj.B, Managing Partner Realm
#6, 3rd cross, M.K.Puttalingaiah road,
Padmanabhanagar,
Bangalore-560070.



Jayanagar 7th Block Branch
 Aj Towers, No. 509, 8Th Cross, Jayanagar 7Th Block, Bangalore - 560 082.
 RTGS / NEFT / IFS Code : ICIC0000251



VALID FOR THREE MONTHS ONLY
 20-11-2019
 D D M M Y Y Y Y

Pay R R Institute of Technology OR ORDER

Rupees Two Lakh only

₹ 2,00,000/-

A/c No. 025105008284

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REALM

 AUTHORISED SIGNATORIES
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PKM Educational Trust®

R R Institute of Technology

(Affiliated to VTU, Belgaum and Approved by AICTE New Delhi
Recognized by Govt. of Karnataka)



**ED Cell
&
Department of Mechanical Engineering
Association of RRIT Mechanical Engineers 'ARME'**

INVITATION

You are cordially invited for the 3 day Entrepreneurship Awareness Camp on

"Entrepreneurship Awareness Camp"

From 29th to 31st of October 2018 at 10.00 AM

Chief Guest

Prof V B Nanda Gopal,

Professor, Entrepreneurship and Family Business

Guest of Honor

Sri Y Raja Reddy,
Chairman RRIT, Bangalore.

Sri Kiran H R
Secretary, PKMET, Bangalore.

Sri Arun H R
Director, RRIT, Begaluru

Sri Ramakrishna Reddy
CEO, RRIT, Bangalore

Presided By

Dr. M B Manjunath
Principal, RRIT, Bangalore

VENUE :

Seminar Hall
R R Institute of Technology,
Bangalore

Convener

Dr. Amarnath G
Dept of Mechanical Engineering, RRIT, Bangalore.

CHIEF PATRON:

Sri Y Raja Reddy,
Chairman RRIT, Bangalore.

PATRON:

Sri Kiran H R,
Secretary, PKMET, Bangalore.
Sri Arun H R,
Director, RRIT, Bangalore.
Sri Ramakrishna Reddy,
CEO, RRIT, Bangalore.

RECTOR:

Dr. M B Manjunath
Principal, RRIT, Bangalore.

CHIEF CO-ORDINATOR:

Dr. Channabasavaraj,
Professor and Head, Dept of ME,
RRIT, Bangalore.

CHIEF COORDINATOR- ED Cell

Prof. M. Suneetha
Department of ISE, RRIT

PROGRAMME CO-ORDINATORS:

Dr. Amarnath G
Dr. S S Kubsad

STAFF ADVISORY:

Prof Naveen G, Dept of ME
Dr. Arulmani, Dept of ME
Prof Nagesh Kumar R, Dept of ME
Prof Shridharmurthy H N
Dept of ME
Prof. Sumanth, Department of CSE
Prof. ShyamSunder, Dept. of EEE
Prof Gunasheela, Dept. of CE
Prof Arpitha, Dept of ISE

STUDENT CO-ORDINATORS:

Hemanth, 7th SEM Mechanical
Harsha, 7th SEM Mechanical
Ganshyam Tiwari, 7th SEM
Mechanical

Raja Reddy Layout, Hesaraghatta Main Road, Chikkabanavara, Bangalore, Karnataka -560090

Email: rrit@rrinstitutions.com Phone: 080 - 28391554/3 Mobile: +91- 8880001111



PKM Educational Trust®

R R Institute of Technology

(Affiliated to VTU, Belgaum and Approved by AICTE New Delhi
Recognized by Govt. of Karnataka)



ED Cell & Department of Mechanical Engineering Association of RRIT Mechanical Engineers 'ARME'

CHIEF PATRON:

Sri Y Raja Reddy,
Chairman RRIT, Bangalore.

PATRON:

Sri Kiran H R,
Secretary, PKMET, Bangalore.
Sri Arun H R,
Director, RRIT, Bangalore.
Sri Ramakrishna Reddy,
CEO, RRIT, Bangalore.

RECTOR:

Dr. M B Manjunath
Principal, RRIT, Bangalore.

CHIEF CO ORDINATOR:

Dr. Channabasavaraj,
Professor and Head, Dept of ME,
RRIT, Bangalore.

CHIEF COORDINATOR- ED Cell

Prof. M. Suneetha
Department of ISE, RRIT

PROGRAMME CO-ORDINATOR:

Dr. Amarnath G
Dr. S S Kubsad

STAFF ADVISORY:

Prof Naveen G, Dept of ME
Dr.Arulmani, Dept of ME
Prof Nagesh Kumar R, Dept of ME
Prof Shridharmurthy H N
Dept of ME
Prof.Sumanth, Department of CSE
Prof.ShyamSunder, Dept of EEE
Prof Gunasheela, Dept.of CE
Prof Arpitha, Dept of ISE

STUDENT CO-ORDINATORS:

Sumanth, 7th SEM Mechanical
Arsha, 7th SEM Mechanical
Ganshyam Tiwari, 7th SEM
Mechanical

PROGRAM SCHEDULE

Day 1: 29-10-2018 Monday

TIME	PROGRAMME
9.00 am – 10.00 am	Inauguration
10.00 am – 11.30 am	Key Note Adress by: Prof V B Nanda Gopal, Professor Entrepreneurship and Family Business TOPIC : Entrepreneurship Development Awareness
11.30 am – 11.45 am	Tea/Coffee Break
11.45 am – 01.15 pm	Session 1 by Prof V B Nanda Gopal on Entrepreneurship Development
1.15 pm -2.15 pm	Lunch Break
2.15 pm – 3.45 pm	Session 2 by Resource Person : KSFC manager Topic : Financial Assistance
3.45 pm – 4.00 pm	Tea/Coffee Break
4.00 pm – 4.30 pm	Vote of Thanks

Day 2: 30-10-2018 Tuesday

TIME	PROGRAMME
10.00 am – 11.30 am	Session 3 by Resource Person: KASSIA Member Topic: Industry and Institute interaction
11.30 am – 11.45 am	Tea/Coffee Break
11.45 am – 1.15 pm	session 4 by Resource Person : Dr.S Subramanya swamy Principal BIET Davanage re Topic : Entrepreneur's Goal setting
1.15 pm -2.15 pm	Lunch Break
2.15 pm – 3.45 pm	Session 5 Resource Person : KASSIA Member Topic : Methods of Market survey and feasibility review/ Industrial project proposal report preparation.
3.45 pm – 4.00 pm	Tea/Coffee Break
4.00 pm – 4.30 pm	Vote of Thanks



PKM Educational Trust[®]

R R Institute of Technology

(Affiliated to VTU, Belgaum and Approved by AICTE New Delhi
Recognized by Govt. of Karnataka)



**ED Cell
&
Department of Mechanical Engineering
Association of RRIT Mechanical Engineers 'ARME'**

CHIEF PATRON:
Sri Y Raja Reddy,
Chairman RRIT, Bangalore.

PATRON:
Sri Kiran H R,
Secretary, PKMET, Bangalore.
Sri Arun H R,
Director, RRIT, Bangalore.
Sri Ramakrishna Reddy,
CEO, RRIT, Bangalore.

RECTOR:
Dr. M B Manjunath
Principal, RRIT, Bangalore.

CHIEF CO-ORDINATOR:
Dr. Channabasavaraj,
Professor and Head, Dept of ME,
RRIT, Bangalore.

CHIEF COORDINATOR- ED Cell
Prof. M. Suneetha
Department of ISE, RRIT

PROGRAMME CO-ORDINATOR:
Dr. Amarnath G
Dr. S S Kubsad

STAFF ADVISORY:
Prof Naveen G, Dept of ME
Dr. Arulmani, Dept of ME
Prof Nagesh Kumar R, Dept of ME
Prof Shridharmurthy H N
Dept of ME

Prof. Sumanth, Department of CSE
Prof. ShyamSunder, Dept. of EEE
Prof. Gunasheela, Dept. of CE
Prof Arpitha, Dept of ISE

STUDENT CO-ORDINATORS:
Hemanth, 7th SEM Mechanical
Harsha, 7th SEM Mechanical
Ganshyam Tiwari, 7th SEM
Mechanical

PROGRAM SCHEDULE

Day 3:31 – 10-2018 Wednesday

Name(s) of proposed Industries / R & D Institutions to be visited:

TIME	PROGRAMME
10.00 am – 11.30 am	Session 6 by Resource Person: Prof Sundaresan Topic: <i>Do!! Money only makes entrepreneurs!</i>
11.30 am – 11.45 am	Tea/Coffee Break
12.00 noon – 4.30 pm	Visit to nearby Industries / Factories, R & D Institutions : The timings of lecture, lunch break etc., can be arranged based on the convenience of the collaborating/ organizing Industries /Institutions.

M.S.
24/10/18



RR Institute of Technology Bangalore



Entrepreneurship Development Cell in Association with Dept. of Mechanical Engineering.

Report on Entrepreneurship Awareness Camp (29 to 31 Oct 2018)

DST-NIMAT Project Engg. :2018-19

Date: 29/10/2018- Inauguration Ceremony (Day 1)

Number of beneficiaries: 70 students and staff from Department of Mechanical engineering, Department of Civil engineering, Department of Electronic and communication engineering, Department of Electrical and Electronics Engineering, Department of Information Science and engineering.

Objective: Inauguration Ceremony - The Entrepreneurship (EDC cell) with association with the Department of Mechanical Engineering initiated a 3 day Entrepreneurship Awareness Camp (EAC), with an objective to enhance knowledge and kindle the skills of the young minds aspiring to be successful entrepreneurs.

Name and details of the resource person: The programme began with lighting the lamp by the dignitaries followed by the welcome address by Dr.Amarnath G. The Entrepreneurship Awareness Camp was inaugurated by Dr.Nandagopal Professor Entrepreneurship & Family Businesses specializing in entrepreneurship development covering institutional capacity a dynamic Entrepreneur. The inaugural ceremony started with welcoming the gathering and offering information on thrust full Entrepreneurship.

The Presidential address was delivered by Dr.M.B. Manjunath, Principal, and RRIT, in which he elucidated on the Entrepreneurship Campaign where students would be taken in an industrial visit to orient with the firm which would help them understand the various fields Entrepreneurship has branched out. He also stated the importance of revisiting, dreaming and being passionate about what an individual wants to pursue as it is the perseverance that brings out the light in them.

Brief of the program: Session 1 (11.45- 1.15 PM)

Prof Nandagopal delivered the prelude for the Entrepreneurship Awareness Camp- 2018, stating the core objectives of the camp such as to build the innate capability of young students, to bring about Awareness regarding Entrepreneurial life right from grass root levels and also offer multitude of suggestions for them to start off their career.

Session 2 (2.15- 4.15PM) Topic: Financial Assistance

Mrs. Mamatha Senior Manager, Karnataka State Financial Corporation, Bangalore addressed the effervescent young gathering where she briefed them about her business and enumerated the driving factors behind them which are following one's passion, working with the right squad, manifesting a

positive attitude towards life and never to give up in spite of debacles. These words made an impact on the listeners enabling them to ask questions and interact with her. She also showed some case studies of successful entrepreneurs who got aid from KSFC. The session concluded on an enthusiastic note.

Towards the end Dr.Chennabasavaraj Chief Coordinator, Entrepreneurship programme expressed his gratitude to Mrs. Mamatha for her valuable presence and the other dignitaries for initiating such a camp which serves as a huge motivating factor for the students.

Date: 30/10/2018 (Day 2)

Session 3: Topic Industry and institute interaction.

Professor Gireesh V Gumaste senior Engineer M/s HYNUMAT INTERNATIONAL Bangalore gave his experiences as an entrepreneur how to start an industry with zero investment. He gave the following STEPS FOR PLANNING AND IMPLEMENTING Determine the goals of the learning experiences that can be accomplished through entrepreneurial experiences.

1. Determine under what conditions a student will be allowed to organize an entrepreneurial venture to meet work-based learning requirements.
 - o Will students be allowed this option or must a student's career plan indicate that he/she has been pursuing preparation to become an entrepreneur?
 - o Must the student be enrolled in a complimentary course or will a school advisor be assigned to work with a student's entrepreneurial experience that may not be one of the student's instructors?
2. Determine the components of entrepreneurial experience.
 - o Will the student have to develop a business plan as a part of the experience, or will the student develop the business plan prior to the entrepreneurial work-based learning experience?
 - o Must the business plan development come in a course such as Entrepreneurship, or can it be developed independently of a course?
 - o Must the business plan be reviewed by a business mentor as part of the planning for the experience?
 - o Must the student find a business mentor, or will the school select the entrepreneurship mentor?
3. Design a system for evaluating the experience.
 - o Which partners - business mentor, school, and/or student will evaluate the experience?
 - o How will students be rewarded for successful completion of the entrepreneurship experience? (course credit is not allowed)
 - o Will a standard evaluation form be used to monitor the success of each students' entrepreneurial experience?

Session 4: Topic : Entrepreneur's Goal Setting

Dr.S Subramanya Swamy Principal BIET Davanagere gave his experiences in goals of an entrepreneur if you really want to make a success of your business, it's important to define your business goals, especially before you get started. For some people, the goal is the freedom to do what they want when they want, without anyone telling them otherwise. For others, the goal is financial security. He told about setting goals is an integral part of choosing the business that's right for us. After all, if your business doesn't meet your personal goals, you probably won't be happy waking up each morning and trying to make the business a success. Sooner or later, you'll

stop putting forth the effort needed to make the concept work. At its simplest, a goal is just something you aim for. But goals are powerful contributors to successful business growth in several ways. Goals also give you a framework within which to work. This tends to focus your efforts by helping you rule out actions that won't contribute to achieving the goals you've set. A very important part of that framework is a timetable. Any good goal has a timetable, and that timetable will influence your actions profoundly. When setting goals, aim for the following qualities:

- **Specificity.** You have a better chance of achieving a goal if it's specific.
- **Optimism.** Be positive when you set your goals. Being able to pay the bills isn't exactly an inspirational goal. Achieving financial security phrases your goal in a more positive manner, thus firing up your energy to attain it.
- **Realism.** Begin with small steps, such as increasing your monthly income by 25 percent. Once your first goal is met, you can reach for larger ones.
- **Short and long term.** Short-term goals are attainable in a period of weeks to a year. Long-term goals can be for five, 10 or even 20 years; they should be substantially greater than short-term goals but should still be realistic.

Session 5: Topic: Methods of Market Survey and feasibility review for industrial project proposal

Mr, Dinesh Kumar HN, CADVIN Technologies, Bangalore was delivered lecture on feasibility review for industrial project he gave information on the purpose behind a **project feasibility study** and to know the different variables involved with your business venture and how it will be accepted on the open market along with who will be the target customer. In a projects lifecycle, the project feasibility study is the second document that is created following the business case. The purpose of this study is to determine the factors that will make the business opportunity that was presented in the business case a success. Included in the *project feasibility study* will be the exploration of the main focus of the business opportunity along with the alternative paths it could follow. By collecting this data, management can then make an informed decision on which path should be pursued in order to create the most profitable revenue stream for the company. To get a project feasibility study started, the use of a feasibility study template is the most efficient means to progressing this document so a final draft can then be implemented. The template will already have the document outlined with the appropriate sections created. It will also be in the most efficient order so following the document by the feasibility team can commence with little to no bottlenecks that might impede its progression. The project feasibility study will explore the different markets where a target audience might be located. There should also be alternative target audiences and their location explored. Along with the target audience, other factors that need to be investigated is how acceptable the deliverable is to the propose target audience. There should be several different variations that can include size and color difference. This permits the best possible response so the right product can be produced for the right customers.

Date: 30/10/2018 (Day 3)

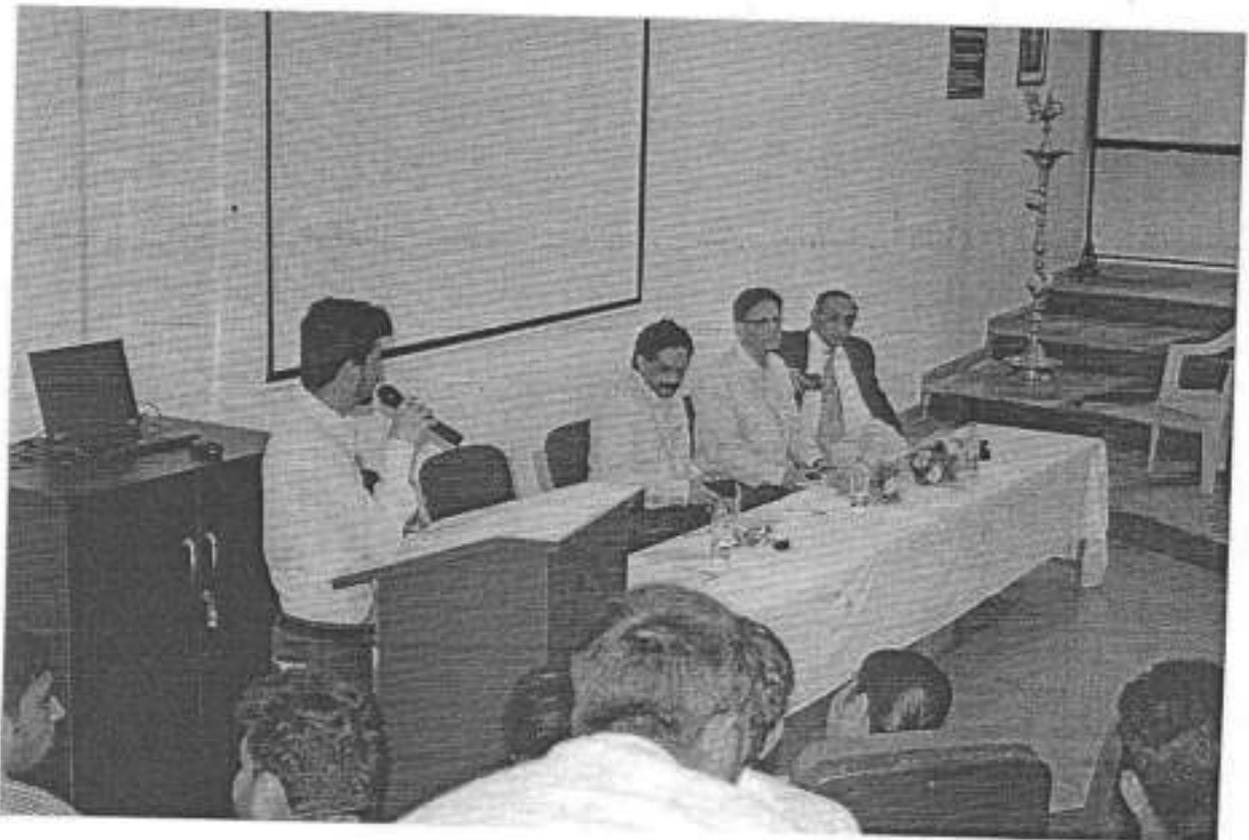
Session 6 : Topic : Does Money only makes the Entrepreneur?

Professor Sundaresan S D, an Entrepreneur cum faculty gave lecture on the importance of money while doing businesses. He told about the motives that vary individually, but consist of

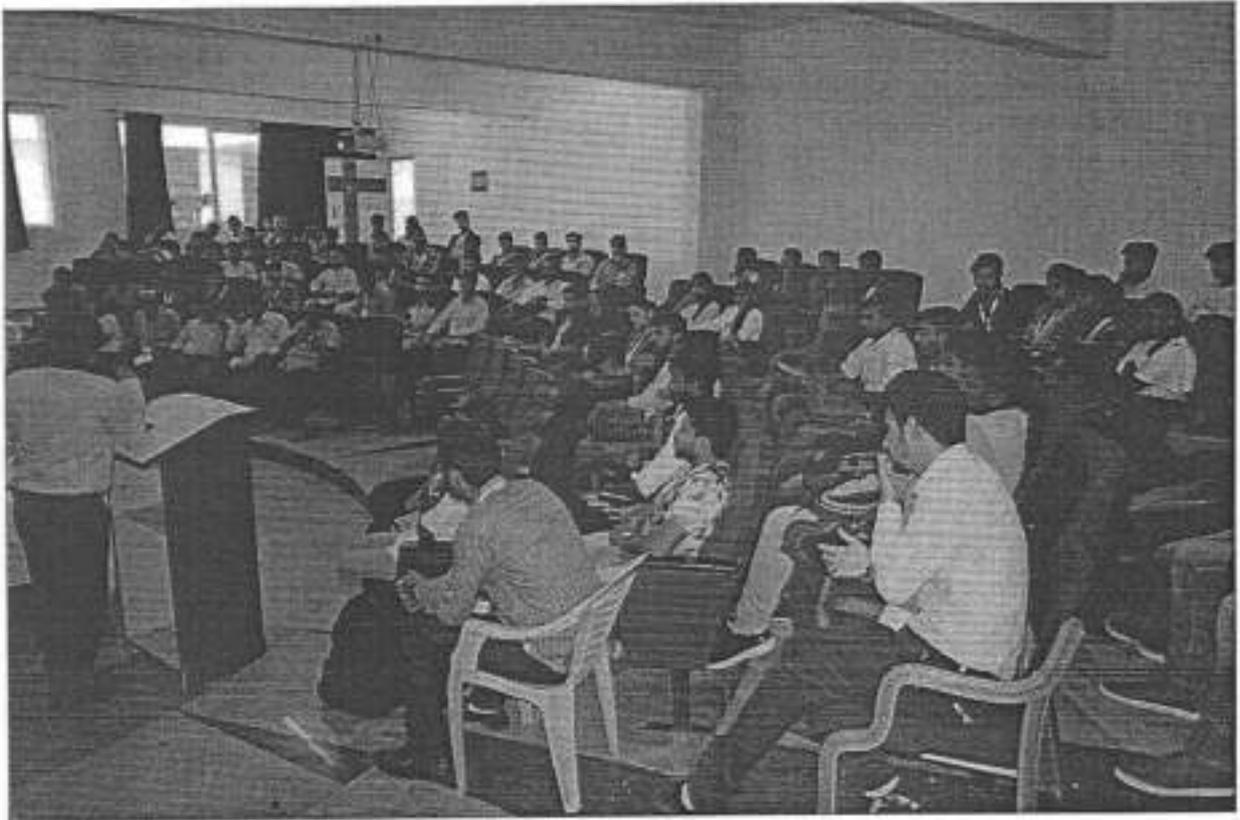
some mixture of self-challenge, a desire to further human advancement, freedom of choice in how time is spent, the ability to have more choices in life, including early retirement and enjoying the fruits of one's efforts. The methods also vary, but include mixtures of everything that companies do. The difference is that the entrepreneur must be above average in all of them. He doesn't "punch the clock." He may work long hours without compensation because he has a dream. He befriends people who will be helpful to his dream, and he, theirs, otherwise his is a lonely existence. When things are not going well, family, and others want him to "just get a real job" but he must dismiss them. Those who understand him are his peers, partners or those who believe in him and ride the coat tails. He needs them all.

Session 7 : Industrial visit 12.00 Noon – 4.30 PM

All the students and the two faculty members visited the CIM Tools Pvt Ltd. 469, Site No. 467 12th cross road Peenya Industrial area Phase IV Bangalore 560058. It is an Aerospace industry manufacturing the various parts of an aircraft. They showed the sophisticated instruments of metrology, CNC machines etc.



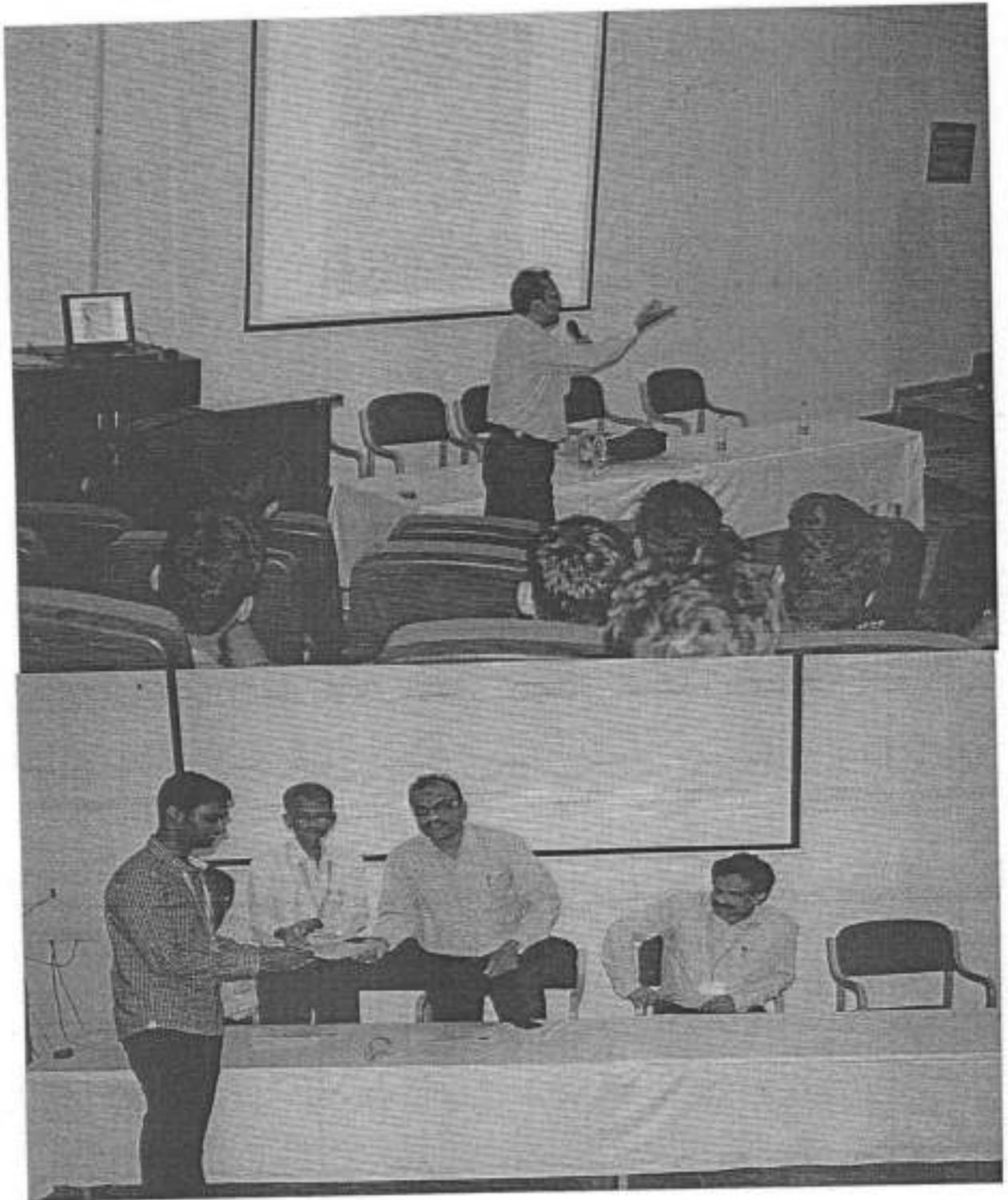
Inauguration of the Programme



Felicitation to the senior manager KSFC Bangalore by Principal Dr.MB Manjunath.



Felicitation to the Principal, Bapuji institute of Engineering and Technology, Davanagere by Prof. Shivalingappa S.Kubsad.



Certificate distribution to the students



Industrial visit at CIM Tools Pvt. Ltd Peenya Bangalore



ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA

Near Village Bhat, Via Ahmedabad Airport & Indira Bridge, P.O. Bhat - 382 428, Dist. : Gandhinagar,
Gujarat, India.
Tel. : +91-79-23969153, 23969158, 23969159, 23969161
E-mail : info@edindia.org

Telefax : +91-79-23969164
Website : www.edindia.org

Prakash Solanki

Faculty & National Project Coordinator

EDII/DST-NIMAT/18-19/RLS-I/266
Date: 10/03/2018

SPEED POST

Dr. M. S. Bhagyashekar
Principal

R. R. Institute of Technology

Raja Reddy Layout

Near Chikkabanavara Railway Station, Chikkabanavara

Bangalore - 560 090

Karnataka

Kind Attention: Dr. Amarnath G., Programme Coordinator

Dear Sir,

Sub: 1st Installment of Programme/s Sanctioned under DST-NIMAT Project 2018-19

This is with reference to the Agreement signed between EDII and your organization for conducting programme(s) under DST-NIMAT Project 2018-19 to create techno-entrepreneurs and resource persons through Entrepreneurship Development Programme Agency.

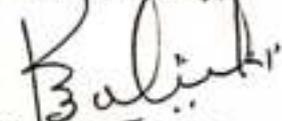
As per the Agreement, 80% of the sanctioned amount per programme is to be released before commencement of the programme(s). Accordingly, Rs. 16000/- has been credited in your bank account on 07/08/2018. The detailed brake-up of the total amount is as following:

Sr. No.	Programme / Activity	No. of Programme Sanctioned	1 st Installment per Programme (Rs.)	Total Amount of the Programme (Rs.)
1	EAC	1	16000/-	16000/-
			Total	16000/-

You are requested to please send us the receipt for the same.

Thanking you, with regards

Yours sincerely,



Prakash Solanki

Encl: 1) Copy of Agreement, 2) Copy of T & C



DST – NIMAT PROJECT 2018 – 19

Implemented by:
Entrepreneurship Development Institute of India (EDII), Ahmedabad

Under the aegis of:
The National Science & Technology Entrepreneurship Development Board, DST, Govt. of India

Agreement between EDII and Programme Implementing Agency (PIA)

Entrepreneurship Development Institute of India (henceforth referred to as EDII) having its Head Office at Village & P.O. Bhat 382 428, Dist. Gandhinagar (Gujarat) and

R. R. INSTITUTE OF TECHNOLOGY, RR. LAYOUT,
CHIKKABANAVARA, BANGALORE - 560 090

[Name & address of the Programme Implementing Agency (PIA)] hereby enter into the following Agreement on 27-07-2018 (Date) at REIT, BANGALORE (Place).

R. R. INSTITUTE OF TECHNOLOGY, BANGALORE (Name of the PIA) has agreed to conduct 3 MyEAC(s) / — EDP(s) / — WEDP(s) / — TEDP(s) / — FDP(s). The programme (s)/ activity are to be conducted as per the terms and conditions enclosed.

General Guidelines

1. The grant being released should be exclusively spent on the specified purpose for which it has been sanctioned within stipulated time. Any unspent balance out of the amount sanctioned would be surrendered to EDII, Ahmedabad. Carry forward of unspent funds to the next financial year for utilisation for the same purpose may be considered only with the specific approval of the EDII, Ahmedabad.
2. The Programme Implementing Agency will furnish progress report of the work on the programme from time to time. In addition, appropriate persons may visit the Programme Implementing Agency periodically for ascertaining the progress of work and resolve any difficulties that might be encountered in the course of implementation. During the progress of the project, the PIA will provide all facilities to the Visiting Persons. On completion of the programme, consolidated report of the work done on the subject in a bond form shall be sent to EDII, Ahmedabad.
3. The Programme Implementing Agency shall furnish to EDII, Ahmedabad, Utilisation Certificates (copy enclosed) and an Audited Statement of Accounts pertaining to the grant within three months of completion of the programme / activity sanctioned.
4. The Programme Implementing Agency will maintain separate audited accounts for this project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest earned should be reported to the EDII, Ahmedabad. The interest thus earned will be treated as a credit to the PIA to be adjusted towards further instalments of the grant, if any.
5. The Programme Implementing Agency will not entrust the implementation of the work for which the grant is being sanctioned in another organization and to divert the grant receipt as assistance to the latter institution. In case the PIA itself is not in a position to execute or complete the project, it would be required to refund the entire amount of grant-in-aid received by it to EDII, Ahmedabad.

[P.T.O.]



Now in witness whereof the parties to this present have here unto signed in this respective names and affixed their respective seal, the date and the year herein above written.

Signed, Sealed and Delivered by:

For [Signature]
(Implementing Agency)
PRINCIPAL

R. R. INSTITUTE OF TECHNOLOGY
Chikkabanavara, Bangalore-560 90.

For [Signature] (EDII) [Signature]

S. B. Sareen
Project Director, DST-NIMAT



Place:

Date:

Witnesses:

1. Signature: [Signature]

(on the behalf of the Agency)
Name & Address of the Witness:

Dr. Shivalingappa S. Kulkarni
Prof & HOD/ME
RRIT

2. Signature: [Signature]

(on the behalf of EDII)
Name & Address of the Witness:

Naveen. G
Asst. Prof
ME, Dept. RRIT

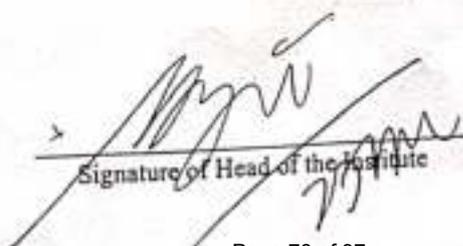
[Signature]
Prakash Solanki
Faculty & National Coordinator
Entrepreneurship Development Institute of India

**TERMS AND CONDITIONS FOR CONDUCTING
ENTREPRENEURSHIP AWARENESS CAMP (EAC)**

1. Each camp of three days duration to be conducted in the premises of the academic institution.
2. Each EAC should have minimum 75 students having S & T background i.e., S&T graduate/diploma holders, students of degree/diploma in Science & Technology.
3. Industrial visit to be organized as part of EAC.
4. Programme Implementing Agency may like to provide inputs as per the suggested schedule placed at EDII website (www.ediindia.org).
5. Reading/reference material to be provided to the participants and the same can be downloaded from EDII – website (www.ediindia.org).
6. Financial assistance will be made available to the PIA @ Rs. 20,000/- per EAC as per the budget break-up given below:

Sr. No.	Expenditure Head	Amount in Rs.
1	Manpower including honorarium to experts	5000.00
2	Travel & Factory visit	4500.00
3	Miscellaneous & Contingency	7500.00
4	Administrative overheads	3000.00
	Total	20,000.00

7. First installment i.e., 80% to be released on receipt of the duly signed Agreement, Terms & Condition along with the Action Plan (as per Annexure-I) and Bank detail (Annexure-I(A)).
8. Programme Completion Statement (PCS) (as per Annexure – II) should be submitted separately for each programme within one week after completion of programme.
9. Second and final installment i.e., 20% to be released on successful completion of EAC, submission of **Post Programme Report (PPR) (Soft Copy in Microsoft Word Format on CD & Hard Copy in Spiral Binding)** within one month after completion of each programme as per the proforma placed at EDII website; (www.ediindia.org), submission of statement of audited expenditure (as per Annexure-III) and utilization certificate (as per Annexure-IV).


 Signature of Head of the Institute



R. R. Institute of Technology

Affiliated to Visvesvaraya Technological University
Approved by AICTE, New Delhi & Govt of Karnataka

Venue: R R INSTITUTE OF TECHNOLOGY

Date: 23/10/2018, to 31/10/2018

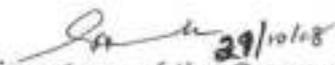
Attendance for the ED awareness camp

SI NO	Name of the student	Sem	Dept	MORNING	AFTERNOON
1.	Hemalatha. C ✓	VII	CSE	Hema	Hema
2.	Mary Roopini. A ✓	VII	CSE	Roopini	Roopini
3.	Chandana. M.S ✓	VII	CSE	Msc	Msc
4.	Karthiks H.P	VII	CV	Kar	Kar
5.	AJAX. R. YALLAPUR ✓	VII	CV	Ajax	Ajax
6.	KAVAN. M.P ✓	VII	CV	Kavan	Kavan
7.	SONAL S KURDEKAR ✓	VII	CV	Sonal	Sonal
8.	Dhanaraj P.T	VII	CV	Dhanaraj	Dhanaraj
9.	Maruthi. M	VII	CV	Maruthi	Maruthi
10.	Kishore H.N ✓	VII	CV	Kishore	Kishore
11.	NAVEEN. L ✓	VII	CV	Naveen	Naveen
12.	ANIE Y	VII	CV	Anie	Anie
13.	Prajwal. AK	VII	CV	Prajwal	Prajwal
14.	SYED ZABEE	VII	CV	Syed Zabee	Syed Zabee
15.	SAGAR. B.N	VII	CV	Sagar	Sagar
16.	Arpitha. S	VII	EEE	Arpitha	Arpitha

17.	MADHU KUMAR.V	VII	ME	AS	AS
18.	SHRIKANTH. A. PATIL	VII	M.E.	Sakbanti	Sakbanti
19.	MAHESH. HUKKERI	VII	ME	Mee	Mee
20.	NAYESH.S	VII	ME	Salas	S.A.
21.	Rakshitha. G.N	VII	EEC	Rata	Rata
22.	Dipendra Mahato	VII	CSE	Dip	Dip
23.	Amit kumar	VII	CSE	Amit	Amit
24.	Prakashu Rayamajhi	VII	CSE	Pr	Pr
25.	Binod sherpali	VII	ME	Bin	Bin
26.	Rupesh Timalsina	VII	CSE	Rupesh	Rupesh
27.	PRADIPPANATHI	VII	M.E	Prad	Prad
28.	Madhavi paudel.	VII	CV	Mad	Mad
29.	GHANSHYAM TIWARI	VII	ME	Gan	Gan
30.	Chandra kishor mandal	VII	ME	Chandra	Chandra
31.	PRAKASHY B.S	7 th	M.E	Prakash	Prakash
32.	RAKSHITHA	7 th	ME ✓	Rak	Rak
33.	HARSHA B.S	7 th	ME ✓	Harsha	Harsha
34.	DHANUSH. G	7 th	ME	Dhan	Dhan
35.	Milan Shakal.	7 th	ME ✓	Mil	Mil
36.	Vesuni Johnny R.H	7 th	ME	Ves	Ves
37.	TEJAS. G.V	7 th	ME	Tejas	Tejas
38.	Rahul Kumar ✓	7 th	EEE	Rahul	Rahul
39.	Vannesh. B.M. ✓	7 th	EEE	Vannesh	Vannesh

40	Md. Shamim Khan	VII th	EEE		
41	Baba Bharati G. K	VII th	CSE		
42	Nagaraj. T	VII th	CSE		
43	Julius Daimary	VII th	CSE		
44	Milan Shrestha	VII th	CSE		
45	Vishnu. V.S	VII th	ME		
46	SHARATH.S	VII th	ME		
47	PRANAV.S	VII th	M.E		
48	Vignesh. P	VII th	M.E		
49	Sildev kumar Kay	VII th	CE		
50	Kushal pathania	VII th	CE		
51	Bhishal Gupta	VII th	CE		
52	Indrajit kumar Yadav	VIII th	CI		
53	Binit kumar shrivastav	"	CE		
54	Tanaya Patra	VII th	CSE		
55	Draupada Sharma	VII th	CSE		
56	Praveen Kumar K	VII th	ME		
57	PINAK DAS	VII th	ME		
58	Shubham kumargupta	VIII th	EEE		
59	Koushik Das	VIII th	EEE		
60	Santosh kumar singh	VIII th	EEE		
61	Arvind SB	VIII th	EEE		

63.	Supriya G	5 th	EEE	Supriya	Supriya
64.	Sudha S Gowda	5 th	EEE	<u>Sudha</u>	<u>Sudha</u>
65.	Chandana Shree-P	5 th	EEE	<u>chdhd</u>	<u>chdhd</u>
66.	Sandeep Chaudhary	5 th	EEE	<u>Sand</u>	<u>Sand</u>
67.	Vivek Singh	5 th	EEE	<u>Vivek</u>	<u>Vivek</u>
68.	Akshay Sawant.B	5 th	EEE	<u>Akshay</u>	<u>Akshay</u>
69.	Anilkumar.T	5 th	EEE	<u>Anil</u>	<u>Anil</u>
70.	Manoj K. Nondangi	5 th	EEE	<u>Manoj</u>	<u>Manoj</u>
71.					
72.					
73.					
74.					
75.					

 29/10/18
Signature of the Convener

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23600978

42nd Series of Student Project Programme: 2018-19

List of Projects Sanctioned Under Stream C

85. R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_1336	ANTI PIRACY SCREENING SYSTEM: MOVIE PIRACY TRACKING USING TEMPORAL VISUAL MODULATION	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Prof. MOHAN KUMAR B N	Ms. BRUNDA N	7000.00
2.	42S_BE_1340	DESIGN FABRICATION AND ANALYSIS OF PNEUMATIC OCEAN WAVE ENERGY CONVERTOR-2	MECHANICAL ENGINEERING	BE	Dr. SHIVALINGAPPA S KUBSAD	Mr. RAJESH N	9000.00
3.	42S_BE_3008	REDUCTION OF CARBON AND ECONOMIC TREATMENT OF ETTRINGITE FORMATIO	CIVIL ENGINEERING	BE	Mrs. GUNASHEELA P	Mr. BHASKAR R	9000.00

Note:

1. The sanctioned amount will be sent by KSCST to the College by crossed Cheque in the name of the Principal.
2. The evaluation of above projects will be conducted in the Nodal Centre in the month of May / June 2019. During nodal centre evaluation projects will be selected for state level Seminar & Exhibition which will be conducted in the month of July / August 2019.
3. After completion of the projects, the hard copy of the report and soft in .pdf format needs to be sent to KSCST without fail.



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348648, 23348849 • Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru - 560 090.

Meehl Dept
9/04/19

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : 425_BE_1340

Ref : Your Project Proposal entitled " **DESIGN FABRICATION AND ANALYSIS OF PNEUMATIC OCEAN WAVE ENERGY CONVERTOR-2**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Rajesh N and others	Budget	Amount (Rs)
Guide/s	Dr. Shivalingappa S Kubsad	Materials/Consumables	7,000.00
		Labor	500.00
Department	Mechanical Engineering	Travel	500.00
		Miscellaneous	500.00
		Report	500.00
		TOTAL	9,000.00
NINE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

- 6) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

- e) Projects selected for Seminar / Exhibition will be awarded.

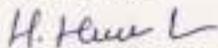
The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of
Mechanical Engineering
R.R. Institute Of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru - 560 090.
- 2) Dr. Shivalingappa S Kubsad
Department of Mechanical Engineering
R.R. Institute Of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.karst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

Ref: 7.1.01/SPP/1333

The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru - 560 090.

27th March 2019

*ECET Dept
M. H. Hemanth Kumar*

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019
Your Project Proposal Reference No. : 42S_BE_1336

Ref : Your Project Proposal entitled " **ANTI PIRACY SCREENING SYSTEM: MOVIE PIRACY TRACKING USING TEMPORAL VISUAL MODULATION**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Brunda N and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Prof. Mohan Kumar B N	Labor	-
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords



Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341152, 23348848, 23348849 • Telefax: 080-23348840
Email: office@kscst.iisc.ernet.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,
R.R. Institute of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru - 560 090.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019
Your Project Proposal Reference No. : 42S_BE_3008

Ref : Your Project Proposal entitled " **REDUCTION OF CARBON AND ECONOMIC TREATMENT OF ETTRINGITE FORMATIO**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Bhaskar R and others	Budget	Amount (Rs)
		Materials/Consumables	7,000.00
Guide/s	Mrs. Gunasheela P	Labor	500.00
		Travel	500.00
Department	Civil Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	9,000.00
NINE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

e) Introduction / Background

425_BE_2008

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

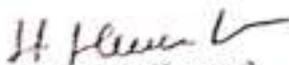
The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,


(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of Civil Engineering
R.R. Institute Of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru - 560 090.
- 2) Mrs. Gunasheela P
Department of Civil Engineering
R.R. Institute Of Technology,
Raja Reddy Layout, Chikkabanavara,
Hesaraghatta Main Road,
Bengaluru - 560 090.
- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Dr. Satish Anisger

Registrar (E)

Ref: VTU/Aca./A-4/2019-20/2465/44

Phone: (0831) 2405468

Fax: (0831) 2405467

Date: 7 JUL 2019

To,

The Principal,
R R Institute of Technology,
Bengaluru.

SPEED POST

Sir,

Sub: Sanction of Financial Assistance for 2018-19 to the selected projects of UG student's reg

Ref: No.VTU/BGM/Aca.OS/Gen-Cir/2018-19/10716,dt. 02.03.2019

With reference to the above subject, please find herewith a D.D Bearing No 640610 dated 04.07.2019 of Rs. 60,000/- towards the sanction of Financial Assistance to the selected projects of UG students.

Kindly acknowledge the receipt of the same.

Encl: as above.

Yours faithfully,

Registrar (E)

20/7/19

Handwritten notes:
A/Anu Lal
Branch: I.M.T
12-student/branch
project
work

Handwritten notes:
To The Managing trust
Forwarded
MSD
20/7/19

Handwritten note:
Distances as per list to Project Grant



Ref: RRIT/ECB/PRSM/2018-19

Date: 22-03-2019

As per the circular Ref: VTU/BGM/Aca - OS/ Gen-Cir/2018-19/10716, Please find the below listed final year projects of the department of Electronics and Communication Engineering for the kind consideration towards the "Financial Assistance for Innovative Projects of Final Year under Graduate Students for the year 2018-19".

Sl.No	Branch	USN	Name of the Student	Title of the project	Name of the Guide	Remarks
1	ECE	1RI15EC010	Brunda N	Anti Piracy	Prof. B N Mohan Kumar	
2		1RI15EC013	D Seuthi Reddy	Screening System ;		
3		1RI15EC023	Madhu J	Movie Piracy		
4		1RI15EC046	Surenitra S P	Tracking using Temporal Visual Modulation		
1	ECE	1RI14EC040	Pavithra N	Soldier Position	Prof. P. Premeagar H	
2		1RI15EC024	Manu M	Tracking and Health		
3		1RI15EC031	Priya B C	Monitoring System		

Dr. Manjanatha MB - Chairman, Principal

Committee Members : 1. Dr. Sunitha HD - Associate Prof & HOD

2. Prof. Parimala Gandhi G - Associate Prof

3. B N Mohan Kumar - Assistant Prof

4. Chandrakumar HS - Assistant Prof

Signature of HOD
HOD of Electronics & Communication
R. R. Institute of Technology
Heeraghatta Main Road,

Signature of
PRINCIPAL
R. R. INSTITUTE OF TECHNOLOGY
Chikkaballavara, Bellary-562 000



R. R. Institute of Technology

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 Accredited by NAAC with Grade 'B+'
 Papp Reddy Layout, Chikkaballavara, Bangalore - 560 060

Electrical and Electronics Engineering Dept.

Ref: RRIT/EEE/PRISM/2018-19

Date: 22/03/2019

With reference to the circular Ref: VTU/BGM/Acc-OS/Gen-Ca/2018-19/19716 dated 2nd March 2019, the following list gives the students name, Title of the project and Guide details for the "Financial Assistance for Innovative Projects of Final Year Under Graduate Students For the year 2018-19".

S.NO	BRANCH	TITLE OF THE PROJECT	NAME OF STUDENT	NAME OF GUIDE	REMARKS
1.	EEE	ELECTRICITY COST REDUCING BY ENERGY MANAGEMENT	ARPITHA S (IRI15EE001) RAKSHITHA G N (IRI15EE006)	Prof. Renukavitha J N	
2.		TRANSMISSION LINE FAULT MONITORING AND IDENTIFICATION SYSTEM BY USING INTERNET OF THINGS	BAHUGOLIDA R J (IRI15EE002) B M VANNESH (IRI15EE007) M.D.SHAMIM KHAN (IRI16EE407)	Prof. R Navaneetha Krishna	

R. R. Institute of Technology
 22/03/2019
HOD-EEE
 HOD OF ELECTRICAL & ELECTRONICS ENG.
 R.R. Institute of Technology
 Heasarghatta Main Road
 Chikkaballavara, Bangalore-56

R. R. Institute of Technology
 22/03/19
PRINCIPAL
 R. R. INSTITUTE OF TECHNOLOGY
 Chikkaballavara, Bangalore-560 50



R. K. Institute of Technology

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Accredited by NAAC with 'B+'
Raja Reddy Layout, Chikkabhojwara, Bangalore - 560 092

Department of Computer Science & Engineering

Date: 23/03/2019

Ref:VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716

Financial Assistance for Innovative Projects of Final Year UG Students for the year 2018-19

Sl No	Branch		Title of the project	Names of the student	Name of Guide	Remarks
1	CSE	1	"A Profile Based Big data Architecture in Agricultural Context"	Basha S (1811CS012) Mani Kaveen S K (1811CS020) Sofia Partha (1811CS023) Kavya R (1811CS025)	Dr Manjunath R	
		2	"IoT Based Smart Irrigation System"	Pravina D (1811CS077) Yashvi S M (1811CS079) Prathiba Nallappa Akshara(1811ACS405)	Mr.Dhananjaya M K	


23/3/19
PRINCIPAL
R. K. INSTITUTE OF TECHNOLOGY
Chikkabhojwara
Bangalore-560 092


23/3/19
HEAD OF DEPARTMENT
R. K. INSTITUTE OF TECHNOLOGY
Hosangal Main Road,
Chikkabhojwara, Bangalore-92



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846 Reddy Layout, Chikkabanaswara, Bangalore - 560 080

Department of Mechanical Engineering

Ref: RRIT/ME/PRSM/2018-19

Date: 22/03/2019

PROCEEDINGS OF THE PROJECT SELECTION COMMITTEE

With reference to the circular Ref: VTU/BGM/Aca-05/Gen-Cir/2018-19/10716 dated 2nd March 2019, the project selection committee of Mechanical Department conducted a meeting and evaluated all the projects and selected two (2) most deserving projects. The lists of the selected projects are in the table below for Financial Assistance for Innovative Projects of Final Year under Graduate Students For the year 2018-19.

Sl. No	Branch	Title of the Project	Names of Student	Name of Guide	Remarks
1	MECHANICAL ENGINEERING	Design, fabrication and analysis of Pneumatic ocean waves energy converter	1 Mr. Rajesh N	Dr. Amarnath G	
			2 Mr. Durshan K V		
			3 Mr. Gagan J		
			4 Mr. Yathish K J		
2		Performance Test on Four Stroke Petrol / Diesel Engine by the Fuel Produced from Waste Plastics	1 Mr. Rakshath L	Prof. Nagesh Kumar R	
			2 Mr. Harsha H		
			3 Mr. Hemant P R		
			4 Mr. Dhanush G		

i) Principal – Dr. M B Manjunath – Chairman

ii) HOD – Dr. Channabasavangi S – Member

iii) Three Subject Experts:

(a) Dr. Amarnath G

(b) Dr. Arulmani L

(c) Prof. Naveen G

HOD-ME

HOD of Mechanical Engineering
R. R. Institute of Technology
Post Graduate Block, Floor,
Chikkabanaswara, Bangalore - 560 080

Principal
PRINCIPAL

R. R. INSTITUTE OF TECHNOLOGY
Chikkabanaswara, Bangalore-560 90



PROCEEDINGS PAGE 9

R. R. Institute of Technology

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Accredited by NAAC with 'B+'

Raja Reddy Layout, Chikabalanvara, Bangalore - 560 090

Ref: KRITISE/PRSM/2018-19

Date: 22/03/2019

PROCEEDINGS OF THE PROJECT SELECTION COMMITTEE

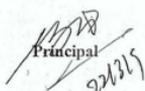
With reference to the circular Ref: VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716 dated 2nd March 2019, the project selection committee of ISE Department conducted a meeting and evaluated all the projects and selected two (2) most deserving projects. The lists of the selected projects are in the table below for Financial Assistance for Innovative Projects of Final Year Under Graduate Students For the year 2018-19.

Sl. No.	Branch	Title of the Project	Name of the Student	Name of Guide	Remarks
1	ISE	ASSESSING CROP RESIDUE COVER BY PREDICTING ENVIRONMENTAL LEVELS/ FACTORS	1. Divya B N [1R1140009] 2. Suresh V [1R11429226] 3. Aishwarya R [1R11519013]	Prof. Vinod L. B	
2	ISE	OBSTACLES AVOIDING ROBOT USING CONVOLUTION NEURAL NETWORKS	1. Bhikshu Thapa/ya [1R11529110] 2. Eshak Shah Shahar [1R11529009] 3. Sahas Bhat [1R11529028]	Prof. Arpitha Martin	

1. Principal - Dr. M B Marjannah - Chairman
2. HOD - Prof. Ernasah Rajashekar - Member
3. Committee Members
 - i. Prof. Ganesh M
 - ii. Prof. Vani Sathyanagar
 - iii. Prof. Swetha K B


HOD-ISE

Information Science Engineering,
R.R. Institute of Technology
Heavenly Hills Main Road,
Chikabalanvara, Bangalore - 90


Principal
PRINCIPAL
R. R. INSTITUTE OF TECHNOLOGY
Chikabalanvara, Bangalore-560 90



WUVE (Autonomous) Unit - 4

R. R. Institute of Technology

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Accredited by NAAC with 'B'

Raja Rajkumar Layout, Chikkabannavara, Bangalore - 560 080

Department of Information Engineering

Ref: RHIT/ISE/PRISM/2018-19

Date: 22/03/2019

PROCEEDINGS OF THE PROJECT SELECTION COMMITTEE

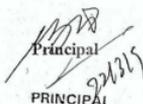
With reference to the circular Ref: VTU/BGM/Aca-OS/Cem-Cir/2018-19/0716 dated 2nd March 2019, the project selection committee of ISE Department conducted a meeting and evaluated all the projects and selected two (2) most deserving projects. The lists of the selected projects are in the table below for Financial Assistance for Innovative Projects of Final Year Under Graduate Students For the year 2018-19.

Sl. No.	Branch	Title of the Project	Name of the Student	Name of Guide	Remarks
1	ISE	ASSESSING CROP RESIDUE COVER BY PREDICTING ENVIRONMENTAL LEVELS/FACTORS	1. Divya B N [IRI]489009] 2. Srusa V [IRI]489026] 3. Aishwarya B [IRI]529003]	Prof. Vinod L. B	
2	ISE	OBSTACLES AVOIDING ROBOT USING CONVOLUTION NEURAL NETWORKS	1. Bhiksha Thapaliya [IRI]505010] 2. Shikha Shah Shandur [IRI]515006] 3. Sahin Hista [IRI]515028]	Prof. Arjitha Martin	

1. Principal - Dr. M. B. Manjunath - Chairman
2. HOD - Prof. Erenasud Rajarathnam - Member
3. Committee Members
 - i. Prof. Ganesha M
 - ii. Prof. Van Saptasagar
 - iii. Prof. Swetha K B


HOD-ISE

- A J Information Science Engineering,
R.R. Institute of Technology
Heavenly Gate Main Road,
Chikkabannavara, Bangalore - 90


Principal
22/3/19

PRINCIPAL
R. R. INSTITUTE OF TECHNOLOGY
Chikkabannavara, Bangalore-560 80.



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Raja Reddy Layout, Chikkabanasara, Bengaluru - 560 090

Department of Civil Engineering

Ref: RRIT/CV/PRSM/2018-2019

Date: 22/03/2019

With reference to the circular Ref: VTU/BGM/Aca-OS/Gen-Cir/2018-19/10716 dated 2nd March 2019, the project selection committee of Civil Department conducted a meeting and evaluated all the projects and selected two most deserving projects. The list of the selected projects is in the table below for Financial Assistance for Innovative Projects of Final Year Undergraduate Students for the Year 2018-19.

SL.No	Branch	Title of the project	Name of the students	Name of the guide	Remarks
1		Study on Volume and Quality Management of Bio Medical Waste	Dhanaraj P T (IRI16CV453) Keerthi B (IRI16CV454) Kushal Suresh Pathania (IRI16CV423) Sanjay D (IRI16CV438)	Gurubasavaraja S G	
2	Civil	Atmospheric Water Harvesting	Marouf Ahmad Khan (IRI15CV047) Jyoti Ojha (IRI15CV031) Thejaswini. U (IRI14CV080) Panpong Abob (IRI15CV057)	Ranganathan B A	

- 1) Principal – Dr. Manjunath M B – Chairman
- 2) HOD - Dr. Sankara - Member

Committee members

- i) Prof. Ravi Patil
- ii) Prof. Jagadeesh B N
- iii) Prof. Ranganathan B A