

Prof. Ashok M. Raichur

Secretary

No. 7.1.01/SPP/580

24 March 2026

To

The Principal

Mangalore Institute of Technology and Engineering

Badaga Mijar, Moodabidri,

Mangaluru - 574 225

Dear Sir / Madam,

Sub: Sanction of Student Project - 49th Series Student Project Programme: 2025-2026

We are pleased to inform you that the following projects has been approved by the KSCST under "Student Project Programme (SPP) - 49th Series". The details are as follows:

Sl. No	Proposal Reference No.	Project Title	Course	Branch	Name of the Guide(S)	Name of the Student(s)	Amount Sanctioned (Rs.)
1.	49S_BE_0573	PERCUSSION-INDUCED VIBRATION AND SOUND SENSING FOR LOW-COST STRUCTURAL HEALTH MONITORING OF MULTI-BOLTED LAP JOINTS	B.E.	AERONAUTICAL ENGINEERING	Mr. PRASHANT Mr. AJITH KUMAR	Ms. MEGHA B Mr. DARSHAN Mr. SAHIL Mr. NITHEESHA	6,000.00
2.	49S_BE_0773	BIO-INSPIRED SOLAR-POWERED 3-D PRINTED BLENDED WING UAV	B.E.	AERONAUTICAL ENGINEERING	Mr. VISHWARET HA K R	Mr. PRAVEEN Mr. SAGAR H Mr. VISHNU PRASAD M G Mr. YASHWITH NAYAK K	6,000.00
3.	49S_MBA_0009	A STUDY ON SUSTAINABLE BUSINESS PRACTICES AND ESG ADOPTION: ASSESSING CSR IMPLEMENTATION AND CIRCULAR ECONOMY OPPORTUNITIES AMONG MSME AMONG AGRICULTURAL SECTOR IN COASTAL KARNATAKA.	M.B.A	MANAGEMENT STUDIES	Mr. AKSHATHRA J JAIN	Ms. RAKSHA R JAIN Ms. PRATHIKSHA Mr. RAJAT RAMARAJ SHET Mr. PUNEETH K	3,000.00
4.	49S_BE_3116	SMART AGROTECH: DEEP LEARNING-BASED APPROACH FOR EARLY DETECTION OF PHYSIOLOGICAL STRESS RESPONSES ON LEAF SURFACES DUE TO PLANT DISEASES USING MULTISPECTRAL IMAGES CAPTURED ACROSS VARYING SPECTRAL BAND FILTERS.	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SUNIL KUMAR S	Ms. MANDIRA Ms. KRUTHI Ms. TANVI Ms. THANVI J SHETTY	4,500.00
5.	49S_BE_0789	COASTAL SECURITY DRONE FEATURED WITH DUAL BATTERY SOLAR CHARGING & SWAPPING SYSTEM	B.E.	MECHATRONICS ENGINEERING	Dr. BINDU MADHAVI J	Mr. KRISHNA PRASAD Mr. AMSHUL R Ms. FREYA NAOMI LOBO Ms. SINCHANA M C	5,000.00

Sl. No	Proposal Reference No.	Project Title	Course	Branch	Name of the Guide(S)	Name of the Student(s)	Amount Sanctioned (Rs.)
6.	49S_BE_0950	THE SMART DUAL MOTION EXHAUST SYSTEM FOR ADAPTIVE HEAT REMOVAL AND GAS ALERTING	B.E.	MECHATRONICS ENGINEERING	Mr. VINOD KUMAR M V	Mr. MOHAMMAD ZUHAIR Mr. ABBAS MARZOOQ Mr. HUDAIMATH SINAN Mr. JAGANNATH A	5,000.00
7.	49S_BE_1843	COFFEE HARVESTING MACHINE	B.E.	MECHATRONICS ENGINEERING	Mrs. PAVITRA KUMARI	Mr. PUNITH B N Mr. JITHESH Mr. R RISHAN Mr. ADARSH	6,000.00
8.	49S_MCA_0160	VEDAROGYA - INTELLIGENT AYURVEDIC HEALTH MONITORING AND PREDICTIVE CARE SYSTEM	M.C.A.	COMPUTER APPLICATIONS	Dr. MADHWARA J K.G	Mr. NISHAL N POOJARY Mr. K VIVEK ACHARYA Ms. NISHMITHA V G Ms. ARPITHA	4,000.00
9.	49S_BE_0205	PERSONALIZED NEWS DIGEST	B.E.	COMPUTER SCIENCE AND ENGINEERING	Dr. SHIVANAND A V SEERI	Mr. PRATHAMESH GODSE Mr. PRAJWAL SHETTY S Ms. SNEHA NAYAK	4,500.00
10.	49S_BE_0223	SMART DOG BELT	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Mr. ANEESH KUMAR A	Ms. SAKSHYA RAI Ms. DEEKSHA L J Ms. SPANDANA S	4,500.00
11.	49S_BE_0255	IOT-BASED ADVANCED VEHICLE TELEMETRY SYSTEM	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Mr. SANDEEP SEETARAN NAIK	Ms. NANDINI M N Ms. NAMRATHA	4,500.00
12.	49S_BE_0920	INDOOR NAVIGATION SYSTEM WITH OBJECT & FACE IDENTIFICATION FOR VISUALLY IMPAIRED INDIVIDUALS	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. ANNAPPA SWAMY D R	Mr. ROHAN A S Ms. SINCHANA Ms. SAMEEKSHA Ms. VEDIKA L GIRAP	4,500.00
13.	49S_BE_0350	INTELLIGENT CHATBOT FOR RESTAURANT SERVICES	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. MANJUNATH H.	Ms. VIJETHA SHETTY Ms. REKHASHREE Ms. SANJANA Ms. SHWETHA	4,500.00

Sl. No	Proposal Reference No.	Project Title	Course	Branch	Name of the Guide(S)	Name of the Student(s)	Amount Sanctioned (Rs.)
14.	49S_BE_0561	SMART ALERTS: NAVIGATING OBSTACLES AND ROAD HAZARDS WITH CONFIDENCE	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. RAJESH N KAMATH	Ms. SHABARI S SHETTY Ms. ATHMIYA NAYAK Ms. SHREYA Ms. RAKSHITHA R MOGAVEERA	4,500.00
15.	49S_BE_0785	INDOOR PATH OPTIMIZATION AND FOOD PREFERENCE SYSTEM WITH OPTIMIZED 2D AND 3D PATH MAPPING	B.E.	INFORMATION SCIENCE AND ENGINEERING	Dr. RAMANAND A MALLYA K	Ms. ADITHI D SHETTY Ms. DISHA H Ms. SHARANYA Ms. SYDEL WIVEL AFONSO	4,500.00
16.	49S_BE_0226	APTINOVA	B.E.	COMPUTER SCIENCE AND ENGINEERING (IOT & CSBT)	Mr. SANDEEP SEETARAM NAIK	Mr. POORNACHAN DRA S GOWDA Mr. ABDUL KHADAR JILANI K K Mr. MAKARA Mr. ANUJITH P SHETTY	4,500.00
17.	49S_BE_6684	SURAKSHA-SAGAR: A COMMUNITY-CENTRIC SMART INFLATABLE SAFETY JACKET WITH INTEGRATED GPS FOR FISHERMEN AND MARITIME WORKERS USING IOT AND AI	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING, AERONAUTICAL ENGINEERING, IOT & CSBT	Dr. ANUSHREE RAJ Prof. VIJAYALAXMI H MANJUNATH A	Mr. CHETHAN Mr. LIKITH SRIKANTHA Ms. KHUSHI Ms. VARSHA RAO	6,000.00
18.	49S_BE_4283	AN ADAS-ORIENTED DEEP LEARNING BASED LSTM MODEL FOR REAL-TIME COGNITIVE STATE PREDICTION OF DRIVERS TO PREVENT DROWSINESS-RELATED VEHICLE ACCIDENTS	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SUNIL KUMAR S	Mr. NITHISH KUMAR B Ms. SWAPNA HANDE D Mr. KARTHIK POOJAR Mr. V NAGARAJA	5,000.00
19.	49S_BE_2795	DEEP LEARNING ENABLED ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS) ALIGNED FOR REAL TIME VEHICLE WARNING SYSTEM FOR COLLISION AVOIDANCE WITH OPTIMAL TRAJECTORY PLANNING	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. YOGEESHA C. B	Mr. VIKAS M Ms. POOJA U HEGDE Ms. SHREYA SHETTY Ms. SINCHANA	5,500.00
20.	49S_BE_2786	DEEP LEARNING BASED REAL-TIME DETECTION OF MONKEY AND BISON INTRUSION IN FARM FIELD AND AUTONOMOUS HUMANE REPELLENT SYSTEM FOR CROP PROTECTION	B.E.	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	Dr. SUNIL KUMAR S	Ms. SOUMYA Ms. H CHAITHALI KINI Ms. HITHASHREE B Ms. POOJA NAYAK	5,500.00

Sl. No	Proposal Reference No.	Project Title	Course	Branch	Name of the Guide(S)	Name of the Student(s)	Amount Sanctioned (Rs.)
21.	49S_BE_1030	DESIGN AND DEVELOPMENT OF INTELLIGENT PARKING SYSTEM USING THE PC BASED AGV PARKING ROBOT	B.E.	MECHANICAL ENGINEERING	Mr. SWAROOP Mr. DEEPTI KOTIAN	Mr. KOUSHIK SHETTY Mr. YUVARAJ Mr. CLENTON WILSON PINTO	7,000.00
Total Amount Sanctioned							1,04,500.00

Note: The Projects highlighted in grey are sponsored by AI and Robotics Technology Park (ART-Park), IISc.

Instructions:

- The project should be conducted based on the objectives outlined in the submitted proposal.
- Any changes to the project title, objectives, or student team will result in the project's rejection, and your institution will be required to return the sanctioned funds to KSCST.
- Please include the project reference number printed above in all future correspondence.
- Upon project completion, a 2–3-page synopsis (in MS Word format) must be uploaded to the following Google Forms link: <https://forms.gle/2vRe75o8ZPikWp966> by **20 April 2026**. 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) - approx., 20 lines
 - Objectives (approximately 10 lines)
 - Methodology (approximately 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc.)
 - Results and Conclusions (approximately 20 lines with specific reference to work carried out)
 - Scope for future work (approximately 20 lines).
- In case of in-competed projects, the sanctioned amount must be returned to KSCST.
- The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
- The sponsored projects evaluation will be held during **March / April 2026** through Online Mode. Details will be communicated shortly via email or website announcement.
- After project completion, a soft copy of the Project Completion Report (PCR), duly signed by the Principal, the HoD, Guide(s), and student(s), must be uploaded (in a single file .pdf format) to the

following Google Forms link: <https://forms.gle/HAwzgnnS6jLFCHHS6>. The report should be prepared in the format prescribed by your university/institution. The last date for uploading the PCR is **20 May 2026**.

- i) The SPP Co-ordinator / Project guide shall initiate the submission of the Utilization Certificate and Statement of Expenditure, duly signed by the competent authority of consolidated sanctioned projects (all projects sanctioned to the institution in a single UC and SoE) from your institution, must be submitted by **20 August 2026** without fail.

Please visit website <https://www.kscst.org.in/spp.html> for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours Sincerely,



(Ashok M. Raichur)

Copy to:

- 1) Prof. AJITH KUMAR, 9901225235, SPP coordinator, Mangalore Institute of Technology and Engineering, Mangaluru
- 2) The Accounts Officer, KSCST, Bengaluru for information and n/a.