



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

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## 49<sup>th</sup> series of Student Project Programme (SPP): 2025-26

### MIDTERM EVALUATION

**Date: 10 April 2026, 9.00 AM**

**Session Link: <https://meet.google.com/fpr-hasd-mvh>**

**Note:**

- **Only the below-mentioned project teams should join the session**
- Project evaluations will be conducted in the order listed below. Each presentation/demonstration will last approximately **8-10 minutes**, followed by **2-3 minutes** for a Q&A session.
- If a project team is absent when called, the next project in the sequence will be invited to present. Therefore, all concerned students must join the meeting and be **available at least 30 minutes prior to their scheduled time** for project interaction.
- A lunch break will be announced by the evaluator during the afternoon session. Teams are advised to plan accordingly and manage their time to ensure smooth participation.
- **Requests for postponement of project evaluations will not be entertained.** If a project team is absent, it will be considered as **not completed / not having taken up the project**, and the institution will be informed to **refund the sanctioned amount**.
- Projects selected for the Annual State-Level Poster Presentation and Exhibition will be held in July 2026. The selected projects will be announced in **May 2026**, after completion of the evaluation process.

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE COLLEGE	NAME OF THE GUIDE (S)	NAME OF THE STUDENT (S)
1.	49S_BE_6090	DESIGN AND PERFORMANCE COMPARISON OF CONVENTIONAL AND AVIAN-BASED CONCEPTS IN SMALL-SCALE FULLY ELECTRIC AIRCRAFT	B.E.	AERONAUTICAL ENGINEERING	A.M.C. ENGINEERING COLLEGE, BENGALURU	Prof. SIRISHA AKELLA	Ms. YASHASVI G HEBBAR Mr. ADAPA SURESH Mr. HIMNISH V KUNTALA Ms. SHRILAKSHMI RAJEEV
2.	49S_BE_1950	DESIGN AND ANALYSIS OF INFLATABLE WING UAV AND EFFECTS ON PERFORMANCE	B.E.	AERONAUTICAL ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. PRATHIK JAIN S	Mr. HARSHAVARDHANA Mr. DHANUSH DRAVID C K Mr. RAGHAVENDRA S JADHAV Ms. TANUJA L

3.	49S_BE_4390	AUTONOMOUS PATH PLANNING FOR UAVS	B.E.	AERONAUTICAL ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. RAMASESHAN SATAGOPAN	Ms. RISHIKA PRASAD K S Ms. GAYATRI MATTAPARTI Ms. SOUNDARYA M
4.	49S_BE_4491	DEVELOPMENT OF BIOINSPIRED LEADING-EDGE TUBERCLES FOR H-DARRIEUS VERTICAL AXIS WIND TURBINE	B.E.	AERONAUTICAL ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. HAREESHA N G	Mr. SUMANTH. R Mr. ADITYA Ms. SUHA NAZNEEN Mr. ABHISHEK
5.	49S_BE_6600	OXCIDATION STUDIES ON SIC-TIB2-ZRB2 ULTRA HIGH TEMPERATURE MATERIALS USING SHOCK TUBE FOR RE-ENTRY APPLICATION	B.E.	AERONAUTICAL ENGINEERING	GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU	Dr. TAMILSELVAM NALLUSWAMY	Ms. SHAKTHI BHAVNA B Ms. THANUSHREE HV Ms. PALLAVI M Ms. HARSHADA SIDDAIAH
6.	49S_BE_3293	DESIGN AND DEVELOPMENT OF 3-DOF GROUND-BASED DYNAMIC TEST BED FOR CONTROL SYSTEM TUNING, EVALUATION AND CALIBRATION OF VTOL UAV'S	B.E.	AERONAUTICAL ENGINEERING	GOPALAN COLLEGE OF ENGINEERING AND MANAGEMENT, BENGALURU	Mr. SUPRITH M	Ms. ANUSHREE.N Ms. PREETHI V Ms. PUNITHA D Ms. REVATI NAGENDRA MARIHAL
7.	49S_BE_3601	EXPERIMENTAL INVESTIGATION OF MAGNETIC EFFECTS AND FLOW GENERATION IN 15CM ION THRUSTER	B.E.	AERONAUTICAL ENGINEERING	GOPALAN COLLEGE OF ENGINEERING AND MANAGEMENT, BENGALURU	Mr. SUPRITH M	Mr. N DILIP Mr. BADRI V BHARADWAJ Mr. ABHISHEK S
8.	49S_BE_5861	SUSTAINABLE COMPOSITE FABRICATION FROM INDUSTRIAL WASTE: EXPERIMENTAL AND NUMERICAL EVALUATION FOR AEROSPACE APPLICATIONS	B.E.	AERONAUTICAL ENGINEERING	K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGAVI	Dr. LOKAMNYA CHIKMATH Mr. GOURAV KULKARNI	Mr. SUDARSHAN S CHOUGULE Mr. KARTIK R MAHINDRAKAR Mr. DARSHAN M SADEKAR Mr. TUSHAR R CHINNABABU
9.	49S_BE_4872	DESIGN AND DEVELOPMENT OF VERTICAL TAKE-OFF AND LANDING UNMMANNED AERIAL VEHICLE OF AIR QUALITY INDEX	B.E.	AEROSPACE ENGINEERING	M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU	Mr. RAJASHEKHARAREDDY H G Mr. ANANDA MURUGAN M	Mr. J J ESWAR Mr. CHETHAN C R Mr. YASHAS GOWDA M

10.	49S_BE_6841	FOLDING WING VTOL UAV FOR PRECISION AGRICULTURE	B.E.	AEROSPACE ENGINEERING	M.S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU	Dr. JAYAHAR SIVASUBRAMANIAN	Ms. SAKSHI KUMARI N Mr. RAVI KANTH S Mr. SOHAN S
11.	49S_BE_0573	PERCUSSION-INDUCED VIBRATION AND SOUND SENSING FOR LOW-COST STRUCTURAL HEALTH MONITORING OF MULTI-BOLTED LAP JOINTS	B.E.	AERONAUTICAL ENGINEERING	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI	Mr. PRASHANT Mr. AJITH KUMAR	Ms. MEGHA B Mr. DARSHAN Mr. SAHIL Mr. NITHEESHA
12.	49S_BE_0773	BIO-INSPIRED SOLAR-POWERED 3-D PRINTED BLENDED WING UAV	B.E.	AERONAUTICAL ENGINEERING	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI	Mr. VISHWARETHA K R	Mr. PRAVEEN Mr. SAGAR H Mr. VISHNU PRASAD M G Mr. YASHWITH NAYAK K
13.	49S_BE_6001	DESIGN AND OPTIMIZATION OF FLEXIBLE PROPELLER FOR MAV APPLICATION	B.E.	AERONAUTICAL ENGINEERING	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	Mr. DEEPAK KUMAR Dr. JINI RAJ	Ms. CHINNA KAVYA Ms. AAMINA TABASSUM Ms. BHARGAVI D
14.	49S_BE_6766	DEVELOPMENT OF NEXT-GENERATION BIO INSPIRED MORPHING LEADING-EDGE TUBERCLES OF WINGS TO ENHANCE FUEL EFFICIENCY AND MANEUVERABILITY IN UNMANNED AERIAL VEHICLES	B.E.	AERONAUTICAL ENGINEERING	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. JINI RAJ.R	Ms. CHAITHRA.K Ms. ADITI ABHILASHA Ms. H.R ANKITHA
15.	49S_BE_4963	DESIGN AND CONSTRUCTION OF NACA 2412 ADAPTIVE WING STRUCTURE FOR INCREASED PERFORMANCE OF AN UAV	B.E.	AERONAUTICAL ENGINEERING	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	Dr. NAGESH.D	Mr. KUSHAL GOWDA N S Ms. PALLAVI K Mr. PRAMOD GOWDA S B Ms. RAKSHITHA S J
16.	49S_BE_4932	DESIGN AND ANALYSIS OF TILT-ROTOR UAV FOR SMART DELIVERIES	B.E.	AEROSPACE ENGINEERING	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	Dr. MADHUSUDHANA S V	Mr. BHUVAN C Mr. PAVAN D L Ms. POOJA S P Ms. NANDITHA A

17.	49S_BE_5135	PROCESSING MECHANICAL AND MICROSTRUCTURAL CHARACTERIZATION OF AL-CU-TI ALLOYS FOR CREW MODULE USED IN SPACE EXPLORATION	B.E.	AEROSPACE ENGINEERING	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	Dr. MADHUSUDHANA S V	Mr. CHANDRA MOHAN H S Ms. KALYANI S Mr. NAVEEN KUMAR S Ms. KUSUMA E
18.	49S_BE_3500	UAV-BASED DISEASE DETECTION AND MANAGEMENT FOR WATERMELON PLANT	B.E.	AERONAUTICAL ENGINEERING	SHREE DEVI INSTITUTE OF TECHNOLOGY, MANGALURU	Prof. MOHAMMED HASHIM	Ms. VARSHINI Ms. SANGEETHA B S Ms. VINAYA NAGANUR Ms. YASHASWINI M K
19.	49S_BE_2219	SEMI ACTIVE VIBRATION CONTROL SYSTEM FOR AIRCRAFT LANDING GEAR USING MAGNETO-RHEOLOGICAL ELASTOMER BASED ISOLATOR	B.E.	AERONAUTICAL ENGINEERING	SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALURU	Dr. GANGADHARA RAO Dr. PRAVEEN SHENOY	Mr. MONISHRAM Mr. MOKSHITH Mr. CHETHAN KUMAR Mr. GIRISH C