

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

47th series of Student Project Programme (SPP): 2023-24

MIDTERM EVALUATION

Date: 23 May 2024, 9.00 AM

Session Link: <https://meet.google.com/zrt-esbx-gaa>

Note: Only the below-mentioned project teams should join the session

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE COLLEGE	NAME OF THE GUIDE (S)	NAME OF THE STUDENT (S)
1.	47S_BE_5390	FABRICATION AND MATERIAL CHARACTERIZATION OF SAMANEA SAMAN FRUIT FOR AEROSPACE APPLICATIONS	B.E.	AEROSPACE ENGINEERING	A.C.S. COLLEGE OF ENGINEERING, BENGALURU	Dr.R. MUKESH	Ms. K. R. SANJANA Ms. GEETA N. NAIK Ms. NAYANA C. NAIK Ms. MEGHA A. PATIL
2.	47S_BE_3833	PERFORMANCE ANALYSIS OF DIMPLED WING OF AN AIRCRAFT	B.E.	AERONAUTICAL ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Ms. AFREEN NIZAMI Dr. SRIKANTH SALYAN	Mr. ADITHYA T. S. Mr. LAKSHAY KAUSHIK Mr. PRUTHVI G. Mr. VIKAS R.
3.	47S_BE_3850	INVERSE DESIGN OF AIRFOIL USING CONVOLUTIONAL NEURAL NETWORK	B.E.	AERONAUTICAL ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. SUNDARAMAHALINGAM A.	Mr. ADITHYA KURDEKAR Mr. HEMANTH B. L. Mr. LOHITH GOWDA B. K. Mr. SAINATH
4.	47S_BE_3874	AIRCRAFT WING MORPHING USING AUXETIC STRUCTURES	B.E.	AERONAUTICAL ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. HAREESHA N. G.	Mr. SAGAR V. NAVALGUND Mr. B. SHATINDRA Mr. ROHITH V. CHINDI Mr. TEJAS C. C.

5.	47S_BE_3969	MODELLING AND FABRICATION OF A PULSE JET ENGINE	B.E.	AERONAUTICAL ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. PRATHIK S. JAIN	Mr. NIRANJAN K. S. Mr. DARSHAN G. Mr. GAURAV MAKAM Mr. KARTHIK SHAGOTI V.
6.	47S_BE_4056	INVESTIGATION ON EFFECT OF AIRFOIL SHAPE AND SIZE ON AERODYNAMIC EFFICIENCY OF SPIROID WINGLET	B.E.	AERONAUTICAL ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. SUNDARAMAHALINGAM A.	Mr. DHEERAJ V. S. Mr. KRUTHIK C. Mr. VISHALDEEP K. S. Mr. YUVARAJ L.
7.	47S_BE_4090	SOLAR ENDURANCE FLIGHT	B.E.	AERONAUTICAL ENGINEERING	DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU	Dr. SRIKANTH SALYAN Dr. RAMASESHAN SATAGOPAN	Ms. SAYEEDA TAYIBA FATHIMA Ms. KHUTEJATUL KUBRA Mr. ABDUL SAMAD USTAD Mr. SHAH DILAWAR HUSSAIN
8.	47S_BE_1059	TARGET TYPE THRUST REVERSAL SYSTEM	B.E.	AEROSPACE ENGINEERING	DAYANANDA SAGAR UNIVERSITY, BENGALURU	Prof. SRIPAD KULKARNI S.	Mr. NISCHAL KUMAR K. S. Mr. MOHAMMED ABBAS S. Mr. MOHAMMED SAHIL
9.	47S_BE_1431	PROPELLER TEST RIG-MONITORING WITH ARDUINO TECHNOLOGY	B.E.	AERONAUTICAL ENGINEERING	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU	Prof. C. M. VIGNESWARAN	Ms. INDUJA J. Mr. BHARATH K. S. Ms. SPOORTHI M. J. Ms. CHETHANA A. R.
10.	47S_BE_3155	DESIGN AND FABRICATION OF UAV FOR LANDMINE DETECTION AND SIMULTANEOUS LOCALIZATION AND MAPPING (SLAM)	B.E.	AERONAUTICAL ENGINEERING	EAST WEST COLLEGE OF ENGINEERING, YELAHANKA, BENGALURU	Prof. N. PRABAKARAN	Mr. KRISHNAMURTHY S. Mr. NIHAL V. Ms. NETHRAVATHI S.
11.	47S_BE_2719	AERO-ELASTIC DIVERGENCE BEHAVIOUR ON TAILORED COMPOSITE WING	B.E.	AERONAUTICAL ENGINEERING	GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU	Dr. BINO PRINCE RAJA D.	Ms. MRUDHULA S. Ms. DAKSHA B.

12.	47S_BE_3261	EXPERIMENTAL AND NUMERICAL ANALYSIS OF CARBON FIBER CROSSPLY LAMINATE UNDER HYGROTHERMAL CONDITIONS	B.E.	AERONAUTICAL ENGINEERING	GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU	Dr. BINO PRINCE RAJA D. Dr. SURESH C.	Ms. TEJESHWINI S. Mr. GAGAN KUMAR G. N. Mr. KIRAN KUMAR P. C.
13.	47S_BE_0455	DESIGN, DEVELOP, AND TESTING A HYBRID QUADCOPTER-ROVER (DROVER) FOR RESCUE OPERATIONS, DISASTER MANAGEMENT, AND INDUSTRIAL SURVEILLANCE	B.E.	AERONAUTICAL ENGINEERING	GOPALAN COLLEGE OF ENGINEERING AND MANAGEMENT, BENGALURU	Mr. RAJASHEKHARAREDDY H. G.	Mr. VADAKKERKARA RAMESH ROOPESH Ms. SHAESTA TARANUM
14.	47S_BE_0519	DESIGN AND FABRICATION OF MODULAR ELECTRIC PROPULSION SYSTEM FOR UAV'S.	B.E.	AERONAUTICAL ENGINEERING	GOPALAN COLLEGE OF ENGINEERING AND MANAGEMENT, BENGALURU	Prof. SUPRITH M.	Mr. SKANDA NAVADA Mr. RISHITH K Mr. S. KARAN Mr. THARUN SURYA D. J.
15.	47S_BE_2767	DESIGN AND DEVELOPMENT OF 3DOF TESTING MECHANISM FOR UAV	B.E.	AERONAUTICAL ENGINEERING	GOPALAN COLLEGE OF ENGINEERING AND MANAGEMENT, BENGALURU	Mr. ADARSH KRISHNAMURTHY	Mr. GAGAN D. Ms. HEMASHREE D. S. Mr. SYED SULTHAN K. Mr. VARUN REDDY
16.	47S_BE_4217	DESIGN AND DEVELOPMENT OF ROBUST ICOSAHEDRON FRAME CAPABLE OF ABSORBING AND DISSIPATING COLLISION FORCES, MINIMISING THE RISK OF CRITICAL DAMAGE TO UNMANNED AERIAL SYSTEM	B.E.	AERONAUTICAL ENGINEERING	GOPALAN COLLEGE OF ENGINEERING AND MANAGEMENT, BENGALURU	Dr. MANJUNATH S. V.	Mr. M. P. THASHWAN SARATHI Ms. AMRUTHA M. Ms. SAHANA GHORPADE Ms. VARSHINI A. R.
17.	47S_BE_1014	MECHANICAL AND WEAR BEHAVIOUR OF SILICON NITRIDE FILERS AND NATURAL FIBERS REINFORCED EPOXY L-12 POLYMER COMPOSITES FOR AIR INTAKE LIP OF AN UN MANNED ARIEL VEHICLE	B.E.	AERONAUTICAL ENGINEERING	K.L.S. GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELAGA AAVI	Prof. ISHWARAGOWDA V. PATIL Dr. MADEVA NAGARAL	Ms. RADHIKA A. VAJRAMATTI Ms. SOUJANYA JANGLE Ms. ASUSHA AROLKAR

18.	47S_BE_2756	AUTONOMOUS UNMANNED AERIAL VEHICLE FOR MULTIPURPOSE	B.E.	AERONAUTICAL ENGINEERING	KARAVALI INSTITUTE OF TECHNOLOGY, MANGALURU	Mr. NAVEENA P	Ms. BHOOMIKA G. Ms. PALLAVI K. V. Mr. SAMEER AHMED NAGARBOUDI
19.	47S_BE_2892	A MORPHING QUADROTOR FOR INSPECTION, MAPPING AND AERIAL IMAGING BY CHANGING SHAPE.	B.E.	AERONAUTICAL ENGINEERING	KARAVALI INSTITUTE OF TECHNOLOGY, MANGALURU	Dr. RAGHU CHAND R. Mr. DENIS PINTO	Ms. Y. M. MUSKHAN Mr. GAGAN A. Ms. MOUNIKA R. Ms. POOJA S.
20.	47S_BE_3135	EXTRACTING WATER FROM WIND THROUGH WIND TURBINE USING PELTIER	B.E.	AERONAUTICAL ENGINEERING	KARAVALI INSTITUTE OF TECHNOLOGY, MANGALURU	Dr. RAGHU CHAND R.	Ms. MUNAZZA TASNEEM Ms. DEEPA M. B. Mr. SUBRAHMANYA GAJANANA GOUDA Mr. ANIL B. J.
21.	47S_BE_3499	REMOVING FLOATING DEBRIS WITH AN INNOVATIVE WATER LANDING DRONE	B.E.	AERONAUTICAL ENGINEERING	KARAVALI INSTITUTE OF TECHNOLOGY, MANGALURU	Dr. RAVINDRA BABU G.	Ms. SWETHA C. Mr. AJITH C. M. Ms. POOJA R. Mr. MOHAMMED GOUS KALADAGI
22.	47S_BE_2263	HARNESSING OF SOLAR AND WIND ENERGY USING OPTIMIZED TURBINE MILL THRIUGH CFD AND IOT	B.E.	AERONAUTICAL ENGINEERING	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI	Dr. ANAND S. N.	Mr. NIRAJ PRABHU Mr. SIDHARATH DEMBI Ms. DISHA V. S. Mr. KIRAN H BAILAPATTAR
23.	47S_BE_2288	CONCEPTUAL DESIGN OF BATTERY CHARGER FOR ERGONOMIC SEAT IN AIRCRAFT	B.E.	AERONAUTICAL ENGINEERING	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI	Dr. ANAND S. N.	Ms. KAVYA M. Mr. MIR UZAIR AKBAR Mr. TUSHAR Mr. VARSHITH V. SHETTY
24.	47S_BE_2320	DESIGN AND DEVELOPMENT OF LIGHTER THAN AIR HYBRID POWER GENERATION SYSTEM FOR ELECTRIC VEHICLE CHARGING	B.E.	AERONAUTICAL ENGINEERING	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI	Mr. AJITH KUMAR Dr. Y. SHRIRAJ RAO	Ms. DIYAN RIYA MARTIS Mr. ABDUL RAZZAK SHAIKH Ms. SUVISHMA S. M. Ms. NEHA

25.	47S_BE_2391	SOLAR-POWERED PESTICIDE SPRAYING DRONE COTS	B.E.	AERONAUTICAL ENGINEERING	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI	Mr. VIVEK SAMUEL Dr. SUJESH KUMAR	Ms. DEEKSHA R. BHANDHARI Mr. AKSHAY NAIK Ms. AFIFA FATHIMA BEGUM Mr. B MOHAMMED SHAHIQ
26.	47S_BE_2595	FAULT DIAGNOSIS AND CLASSIFICATION OF AIRCRAFT STRUCTURAL WING USING MACHINE LEARNING	B.E.	AERONAUTICAL ENGINEERING	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI	Dr. SUJESH KUMAR	Ms. AKSHITHA P. L. Mr. BHAVAN H. V. Ms. KIRANA I. P. Mr. SATHVIK KUMAR K.
27.	47S_BE_2954	DEVELOPMENT OF A PROTOTYPE OF SMART AGRIVOLTAICS SYSTEM FOR ENHANCING LAND USE EFFICIENCY AND REVENUE OF FARMERS	B.E.	AERONAUTICAL ENGINEERING	MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI	Mr. AJITH KUMAR	Mr. HRITHVIK SHETTY Mr. PRATHAM JAIN Mr. DARSHAN KUMAR SHETTY Mr. NACHIKETH
28.	47S_BE_3284	EXPERIMENTAL AND ANALYTICAL STENGTH INVESTIGATION OF REPAIRED FRP LAMINATES	B.E.	AERONAUTICAL ENGINEERING	NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU	Mr. RAMVISHAL G. Dr. SRIKANTH H. V.	Mr. SHASHI KUMAR S. Ms. PRAGATHI B. S. Mr. SHREE NARESH
29.	47S_BE_0243	DESIGN, CONSTRUCTION OF A SPINNING DRONE WITH REDUCED WEIGHT AND POWER CONSUMPTION	B.E.	AERONAUTICAL ENGINEERING	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	Dr. NAGESH D. Dr. DEEPA M. S.	Mr. ABDUL SAAD KHAN Mr. CHANDRAMOHAN V. Ms. RANJITHA V Ms. THANUSHREE A. N.
30.	47S_BE_0326	DESIGN AND FABRICATION OF BI-COPTER DRONE FOR MEDICAL PURPOSE	B.E.	AERONAUTICAL ENGINEERING	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	Prof. VIDYA SHREE K. R.	Mr. MANOJ M. Mr. AKSHITH V. Ms. BHAVITHA C. Ms. RAKSHITHA H. N.

31.	47S_BE_0500	TESTING AND DEVELOPMENT OF KENAF/PINEAPPLE/BANANA NATURAL FIBERS COMBINED COMPOSITE MATERIALS FOR AEROSPACE COMPONENTS.	B.E.	AERONAUTICAL ENGINEERING	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	Dr. NAGESH D.	Mr. BHARATH KUMAR S. Mr. GANESH R. Mr. GONUGUNTLA DINESH KUMAR Mr. RAMAYANAPU RAGHUNANDA
32.	47S_BE_3189	DESIGN, DEVELOPMENT AND CHARACTERIZATION OF SELF-HEALING COMPOSITE MATERIALS FOR AEROSPACE STRUCTURAL APPLICATION	B.E.	AEROSPACE ENGINEERING	S.J.C. INSTITUTE OF TECHNOLOGY, CHIKKABALLAPURA	Dr. MADHUSUDHANA S. V. Dr. RAVI KUMAR	Mr. ARYA RAJ Mr. BHARATH B. Mr. BHANU PRASAD Mr. AAKASH D.
33.	47S_BE_4737	DESIGN AND DEVELOPEMENT OF WIRELESS CHARGING ORNITHOPTER	B.E.	AERONAUTICAL ENGINEERING	SHREE DEVI INSTITUTE OF TECHNOLOGY, MANGALURU	Mr. LEVI REUBEN V. R. Mr. AUGUSTINE DSOUZA	Mr. ABHISHEK T. S. Ms. NISHMITHA B. S. Mr. SHASHANK G.
34.	47S_BE_0161	ACOUSTIC STUDY OF MECHANICALLY CHARACTERIZED RATTAN/GLASS FIBRE HYBRID COMPOSITE FOR STRUCTURAL APPLICATION	B.E.	AERONAUTICAL ENGINEERING	SRINIVAS INSTITUTE OF TECHNOLOGY, MANGALURU	Dr. GANGADHARA RAO	Ms. SHARANYA I. S. Mr. YASHWANTH H. L. Ms. HRITHIKA NIKAM Mr. CHANNA KESHAVA REDDY K. L.
35.	47S_BE_0485	DEVELOPMENT OF A HYBRID GREEN PROPELLANT ROCKET ENGINE	B.E.	AERONAUTICAL ENGINEERING	SRINIVAS INSTITUTE OF TECHNOLOGY, MANGALURU	Dr. RAJESH	Mr. HARISH V. Ms. MEGHANA ASHOK GUNDI Mr. S. KEERTHAN Ms. SHAIK ZUHI RAFHATH
36.	47S_BE_2060	FABRICATION AND DEVELOPMENT OF LITHIUM SILICON BATTERY FOR HIGH PAYLOAD UAV	B.E.	AERONAUTICAL ENGINEERING	SRINIVAS INSTITUTE OF TECHNOLOGY, MANGALURU	Dr. RAJESH	Mr. DANNY DAMIAIO MANTERO Mr. AKHILESH Mr. HEMANTH S. Ms. SHWETHA K. P.