

# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

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## 46<sup>th</sup> series of Student Project Programme (SPP): 2022-23

### MIDTERM EVALUATION

**Date:** 29th May 2023 (Monday), 8:30 AM

**Session Link:** <https://meet.google.com/xgh-eezh-mnj>

**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.	46S_BE_0129	INVESTIGATION ON PERFORMANCE ENHANCEMENT OF PHOTOVOLTAIC-THERMOELECTRIC INTEGRATED SYSTEM	B.E.	MECHANICAL ENGINEERING	A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALURU	Mr. SUDHEER KINI K Dr. SREEJITH B K	Mr. ABDUL BASITH A Mr. AKASH MOHANAN Mr. PRAJWAL SHETTY Mr. SAJUN V N
2.	46S_MTech_117	DESIGN AND DEVELOPMENT OF SELF-BALANCED LONG POLES(DHOTI) FOR AGRICULTURAL HARVESTING	M.Tech	MACHINE DESIGN	A.M.C. ENGINEERING COLLEGE, BENGALURU	Dr. GIRISH C Prof. MADHUMOHAN R	Mr. PRAJWAL K N
3.	46S_BE_3154	DESIGN AND DEVELOPMENT OF 3D PRINTER FILAMENT EXTRUDER MACHINE FOR WASTE PLASTIC BOTTLE RECYCLING	B.E.	MECHANICAL ENGINEERING	A.P.S. COLLEGE OF ENGINEERING, BENGALURU	Mr. SATYABODH M RAICHUR Mr. RAVI KUMAR R	Mr. RAHUL K H Mr. AKSHAY N Mr. MOHAMMED SHARIQ KHAN Mr. DEEPAK T
4.	46S_BE_2272	AFFORDABLE WHEELCHAIR ATTACHMENT E - HANDBIKE FOR PHYSICALLY CHALLENGED	B.E.	MECHANICAL ENGINEERING	A.T.M.E. COLLEGE OF ENGINEERING, MYSURU	Dr. CHETHAN S Mr. HEMANTH B R	Mr. HARSHA R Ms. CHAITHRA SHREE S M Mr. DUSHYANTH A K Mr. KUSHAL MALLIKARJUNA ACHARYA
5.	46S_BE_2427	IOT BASED HOME AUTOMATION SYSTEM	B.E.	MECHANICAL ENGINEERING	A.T.M.E. COLLEGE OF ENGINEERING, MYSURU	Mr. RAVIKUMAR S	Mr. AMAAN AFSAL Mr. CHANDRASHEKAR K S Mr. GOVINDRAJ G Ms. SHIVALI S
6.	46S_BE_3155	AUTOMATIC ADJUSTMENT OF SIDE MIRRORS USING SENSORS CONNECTED TO STEERING	B.E.	MECHANICAL ENGINEERING	A.T.M.E. COLLEGE OF ENGINEERING, MYSURU	Mr. ROHITH S Mr. HEMANTH B R	Mr. HEMANTH R Mr. RAVI R Mr. MADAN V Mr. BHARATH T P
7.	46S_BE_4621	BIODEGRADABLE, HYGIENIC AND COMPOSTABLE TABLEWARE FROM HYBRID BAGASSE AS PLASTIC ALTERNATIVE AND ANIMAL FEED	B.E.	MECHANICAL ENGINEERING	ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. SHADAKSHARI R	Mr. LOKESH D Mr. VEDANT Mr. DARSHAN K N Mr. ATHISH G R

8.	46S_BE_0801	DEVELOPMENT AND INVESTIGATION ON SUGARCANE/ SILICON CARBIDE FILLERS AND GLASS FABRICS REINFORCED HYBRID POLYMER COMPOSITES FOR AIRCRAFT STRUCTURES	B.E.	MECHANICAL ENGINEERING	ALLIANCE COLLEGE OF ENGINEERING AND DESIGN, BENGALURU	Dr. MOHIT HEMANTH KUMAR Dr. SASMITA BAL	Mr. FEBIN P J Mr. DEEPAK G
9.	46S_BE_2982	DESIGN AND FABRICATION OF MULTIPURPOSE AGRICULTURE VEHICLE	B.E.	MECHANICAL ENGINEERING	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI	Prof. HEMANTH SUVARNA	Mr. KUNDAR BHUSHAN Mr. CHRISTON LLOYD PINTO Mr. GURUKIRAN Mr. LIKHITH S SHETTY
10.	46S_BE_3764	INVESTIGATION ON EFFECT OF CASTING MOULD ON MECHANICAL PROPERTIES OF AL ALLOYS	B.E.	MECHANICAL ENGINEERING	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI	Dr. SATYANARAYAN	Mr. TEJAS GOWDA M Mr. SRISHAIL S Mr. AJAY KUMAR J
11.	46S_BE_3887	AUTOMATIC, HYDRAULIC 3 ROLLER PIPE AND ROD BENDING MACHINE	B.E.	MECHANICAL ENGINEERING	ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI	Prof. KIRAN C H	Mr. CHIRANTH P Mr. KARTHIK POOJARY Mr. SATHWIK Mr. LOHIT A
12.	46S_BE_2764	DESIGN AND DEVELOPMENT OF SMART POWER GENERATION SYSTEM USING ELECTROMAGNETIC SUSPENSION IN AN AUTOMOBILE	B.E.	MECHANICAL ENGINEERING	AMRITA VISHWA VIDYAPEETHAM BENGALURU CAMPUS, BENGALURU	Dr. PRASHANTH B.N	Mr. MOHAMMAD AMAAN PASHA Mr. SYED SAMEER
13.	46S_BE_0756	CYCLONE DUST COLLECTOR FOR FOUNDRY	B.E.	MECHANICAL ENGINEERING	ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELAGAVI	Mr. ARAVIND MUDDEBIHAL	Mr. AMITH RAMESH DASAPPANAVARA Mr. ANAND R BAKARI Mr. KIRAN DANDIN Mr. YUVARAJ K PATIL
14.	46S_BE_3236	DESIGN AND FABRICATION OF IOT BASED SMART FLEXIBLE AIR PURIFIER FOR UNDERGROUND AND SURFACE MINING	B.E.	MECHANICAL ENGINEERING	ATRIA INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. HARISH KUMAR N S	Mr. SRIDHARAN S Mr. DEV VRAT TRIPATHI Mr. HEMANTH KUMAR R Mr. PRASHANTH S
15.	46S_BE_4036	SYNTHESIS AND CHARACTERIZATION OF GRAPHENE REINFORCED COPPER NANO COMPOSITES	B.E.	MECHANICAL ENGINEERING	ATRIA INSTITUTE OF TECHNOLOGY, BENGALURU	Prof. PRAVEEN KUMAR BC	Mr. PEDDAREDDYGARI S PAVAN TEJ Mr. N ARJUN NAIK Mr. SRIKANTH PARUCHURI Mr. SAYYAD ABID ALI
16.	46S_MTech_098	ANALYSIS OF BIONIC STRUCTURES FOR MANUFACTURING OF WALKING AIDS FOR PHYSICALLY CHALLENGED	M.Tech	MACHINE DESIGN	B.L.D.E.A'S V.P DR P.G.HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA	Dr. I G BHAVI Dr. B M ANGADI	Ms. VARSHA JADHAV
17.	46S_BE_1360	"POLY METHYL METHACRYLATE (PMMA) BASED NANOCOMPOSITES"- SYNTHESIS AND CHARACTERIZATION FOR DENTAL APPLICATIONS	B.E.	MECHANICAL ENGINEERING	P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA	Dr. GIRISHA L	Ms. SIRYA A SHETTY Ms. SNIGDHA P Mr. PUNEETH S Mr. H SHARASCHANDRA TEJASWI
18.	46S_BE_3854	CAPTURING AND REUSING CO2 AND H2O WITH RENEWABLE ENERGY TO PRODUCE SUSTAINABLE HYDROCARBON FUELS	B.E.	MECHANICAL ENGINEERING	P.E.S. UNIVERSITY, BENGALURU	Mr. MADHU M Mr. JYOTHIPRAKASH K H	Mr. SANKETH T CHAVHAN Mr. VIGNESH MENON Mr. SAMARTH S KULKARNI Mr. NARASIMHA SUJITH M V

19.	46S_BE_0143	AN INVESTIGATION OF MICROSTRUCTURAL AND INFLUENCE OF BONDING TEMPERATURE ON MECHANICAL PROPERTIES OF DIFFUSION BONDED AL TWO TWO ONE NINE TI-SIX-AL - FOUR V JOINTS	B.E.	MECHANICAL ENGINEERING	R.N.S. INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. BHARATH V	Mr. VARUN KUMAR M J Mr. SURESHKUMAR Mr. SUNILKUMAR Mr. ROHAN M
20.	46S_BE_5151	DEVELOPMENT OF SMART EYEGLASSES FOR VISUALLY IMPAIRED PEOPLE	B.E.	MECHANICAL ENGINEERING	R.N.S. INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. SALIM FIRDOSH	Mr. KIRAN M Mr. DARSHAN GOWDA G R Mr. MEGHARAJ K Mr. ABHISHEK B S
21.	46S_BE_1037	DEVELOPMENT OF A DEVICE FOR VEHICLE MONITORING AT BLIND CURVES	B.E.	MECHANICAL ENGINEERING	R.R. INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. SURESH C N	Mr. GANESH PUN Ms. JAY SHRESTHA Mr. ISHTIYAQUE AHMED KHAN Mr. MD OWAIS ANSARI
22.	46S_BE_3834	DESIGN AND FABRICATION OF GAS ATOMISER TO PRODUCE METAL POWDER FROM INDUSTRIAL WASTE	B.E.	MECHANICAL ENGINEERING	R.R. INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. CHANNABASAVARAJ S	Ms. RANJAN L R Mr. SHIVAM SINHA Mr. YASHWANATH K M Mr. IMAMSAB
23.	46S_BE_0631	EXPERIMENTAL INVESTIGATION OF PERFORMANCE AND EMISSION TEST USING BIODIESEL FROM HONGE OIL IN CI ENGINE	B.E.	MECHANICAL ENGINEERING	R.T.E. SOCIETY'S, RURAL ENGINEERING COLLEGE, HULKOTI, GADAG	Prof. SIDDESH. N. BEVINAHALLI	Mr. RAMESH U. S Mr. KARTIK Mr. PANTHAGANI SUNIL
24.	46S_BE_4739	PERFORMANCE ENHANCEMENT OF EVACUATED TUBE SOLAR COLLECTOR USING OIL AND NANOPARTICLES	B.E.	MECHANICAL ENGINEERING	R.V. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BENGALURU	Dr. LOKESH PARADESHI	Mr. RACHOTTI SAIKUMAR Mr. RAHUL C D Mr. SUMAN B M Mr. MILINDA CHAWAN
25.	46S_BE_1256	MAXIMIZED PRODUCTION OF HOT WATER USING NOVEL ABORBER TUBES OF FALT PLATE COLLECTOR	B.E.	MECHANICAL ENGINEERING	RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU	Dr. N SHREENIVASALU REDDY Mr. VISHVANATH K C	Mr. ARPAN KARMAKAR T Mr. KISHAN H Ms. VAISHNAVI N Mr. MOHIN KHAN
26.	46S_BE_5084	DEVELOPMENT OF MAGNESIUM HYBRID NANO COMPOSITES REINFORCED WITH AL2O3 AND ZRO2 NANO PARTICLES FOR STRUCTURAL APPLICATION	B.E.	MECHANICAL ENGINEERING	RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. SIDDARAJU C Dr. NIRANJAN C A	Mr. ANAND DESHPANDE Mr. K M MOHAMMED AKRAM Mr. KARTIK SUGANDHI Mr. SHAIKH SHAHID N
27.	46S_MTech_067	EVALUATION OF FATIGUE CHARACTERISTICS OF 3D PRINTED PLA/ABS COMPOSITES REINFORCED WITH CARBON FIBER USING DESIGN OF EXPERIMENTS	M.Tech	MACHINE DESIGN	THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU	Dr. IMRAN M. JAMADAR	Mr. PAVANKUMARA KAMATE
28.	46S_BE_0720	HYBRID COMPOSITE SOLUTION FOR BRAKE PADS IN AUTOMOBILES	B.E.	MECHANICAL ENGINEERING	VIDYA VIKAS INSTITUTE OF ENGINEERING AND TECHNOLOGY, MYSURU	Mr. SANDEEP B	Mr. CHETHAN G RAO Ms. CHANDANA R
29.	46S_BE_2828	DESIGN AND DEVELOPMENT OF HYBRID INDOOR SOLAR COOKER SYSTEM	B.E.	MECHANICAL ENGINEERING	VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU	Mr. S A MOHAN KRISHNA Mr. ANIL KUMAR NADIGER	Ms. SPOORTHI MANJUNATH Mr. SHREYAS S IGOOR Mr. SUPREETH S Mr. VIKAS M P
30.	46S_BE_2931	DESIGN, ANALYSIS AND FABRICATION OF DENTAL IMPLANT WITH PATHWAY FOR INJECTING BIOACTIVE MATERIALS	B.E.	MECHANICAL ENGINEERING	VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU	Prof. AKSHAY S. BHAT Mr. RAKSHITH GOWDA D S	Ms. MEKHALA C. RAO Mr. BHARATHARAJ B.S. Mr. LOHITH D. Mr. YAKSHITH H.K.

31.	46S_BE_3571	EXPERIMENTAL INVESTIGATION OF DIESEL ENGINE USING HYDROGENATED BIO DIESEL	B.E.	MECHANICAL ENGINEERING	VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU	Prof. MANJUNATH V B	Mr. A. MUTHAPPAN Mr. GANESH VENKATRAMAN HEGDE Mr. AHAN K S Mr. GURUKIRAN N
32.	46S_BE_4428	DESIGN AND FABRICATION OF AUTOMATED COMPACT WASTE SORTING SYSTEM	B.E.	MECHANICAL ENGINEERING	VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU	Mr. RANJITH K	Mr. ABHIJEET BHARATWAJ K N Mr. KARTHIK K C Mr. SYED SHADAB AHMED Mr. DHANANJAYA M C
33.	46S_BE_4675	DESIGN AND FABRICATION OF EXOSKELETON USING PNEUMATIC CYLINDERS	B.E.	MECHANICAL ENGINEERING	VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU	Dr. G V NAVEEN PRAKASH	Mr. HAMDAN KHAN S Mr. AAQIB MAHAMOOD Mr. SANDEEP B R Mr. MANOJ KUMAR R
34.	46S_BE_4220	DESIGN AND DEVELOPMENT OF SEED BALLING MACHINE	B.E.	MECHANICAL ENGINEERING	VIJAYA VITTALA INSTITUTE OF TECHNOLOGY, BENGALURU	Dr. N KRISHAMURTHY	Mr. YUVARAJ Mr. SHAIK MD ASIF Mr. YUVARAJ R