

# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru - 560012

**41<sup>st</sup> SERIES OF STUDENT PROJECT PROGRAMME (Biofuel/Bioenergy) : 2017-2018**

**Important: Please read the guidelines to carry out the projects.**

The sanction order for the project proposals listed below will be dispatched to respective engineering colleges in the name of Principal and copy to HOD and concerned Guide of the project.

**The following are the guidelines to carry out 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 **one copy of the hardbound report along with softcopy of the full report (including coverpages, abstract and preliminary pages) in a CD (.pdf format)** should be submitted to KSCST.  
Project Title or the Objectives can be altered only with prior permission of KSCST. Any other changes in the project are strictly prohibited and liable for rejection of the project and the amount sanctioned needs to be returned back to KSCST.
- c. Please quote your project sanctioned reference number in all your future correspondences.
- d. **Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent via email [biofuelcell.kscst@gmail.com] consisting of the following points:
  1. Title of the project
  2. Name of the College & Department
  3. Name of the students & Guide(s) (with email id and cell no. if any)
  4. 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 30 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).
- e. Projects selected for Seminar and Exhibition will be awarded with prize books & certificates.

**Note:** The softcopy of the above said write-up in MS Word format should be forwarded to email id (biofuelcell.kscst@gmail.com) through the project guide indicating the **project proposal reference number in the subject line.**

**THE SANCTIONED AMOUNT WILL BE SENT SEPARATELY BY KSCST ACCOUNTS DEPARTMENT TO THE COLLEGE IN THE NAME OF THE PRINCIPAL DIRECTLY BY CROSSED CHEQUE.**

- The sponsored projects evaluation will be held in the Nodal Centre.
- The Nodal centre will be in one of the engineering college at the regional level.
- It is mandatory for a sponsored project to demonstrate their project out comings at the nodal centre.
- The list of nodal centre will be communicated to the Principal of respective engineering colleges and will also be announced in website.
- 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 back to KSCST.
- After completion of the project, brief summary (about 2 pages) as per the format indicated above (d) needs to be sent via email (biofuelcell.kscst@gmail.com).

**For more details if any please contact Dr. S. G. SreekanteswaraSwamy, Executive Secretary, KSCST**

**Email: spp@kscst.iisc.ernet.in**

**Shri S. N. Sondur, Principal investigator, Biofuel Cell, KSCST, Email: sns@kscst.iisc.ernet.in**

**KSCST : 41<sup>st</sup>Series of Student Project Programme (Biofuel/Bioenergy) : List of Projects Sanctioned : 2017-2018**

# Karnataka State Council for Science and Technology,

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## LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 41<sup>st</sup>SERIES OF STUDENT PROJECT PROGRAMME: 2017-2018

### 1. ACS COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
1.	41S_B_BE_073	AN EXPERIMENTAL INVESTIGATION OF THE PERFORMANCE OF SINGLE CYLINDER CI ENGINE FUELLED WITH BIODIESEL AND HYDROGEN	MECHANICAL ENGINEERING	Dr. R. SIVA SUBRAMANIYAM	Mr. CHETHAN KUMAR PATIL	8000.00

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## LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 41<sup>st</sup> SERIES OF STUDENT PROJECT PROGRAMME: 2017-2018

### 2. ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
2.	41S_B_BE_087	NUMERICAL INVESTIGATION OF KIRLOSKAR DIESEL ENGINE USING CALOPHYLLUM INOPHYLLUM AS A BIODIESEL	MECHANICAL ENGINEERING	PROF. SUCHITH KUMAR MT	MS. SONU DK	12000.00

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### 3. AMC ENGINEERING COLLEGE, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
3.	41S_B_BE_089	UTILIZATION OF SIMAROUBA SEED CAKE AND SPENTWASH FOR THE PRODUCTION OF BIOGAS	MECHANICAL ENGINEERING	MR. SANTHOSH U	MR. PUSHPANSHU SAHU	6000.00
4.	41S_B_BE_069	FABRICATION OF OIL EXTRACTOR FROM PONGAMIA SEEDS FOR BIODIESEL	MECHANICAL ENGINEERING	Dr. A K MURTHY	Mr. AKSHAY MAHABALESHWAR BADIGER	13000.00

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### 4. AMRITA SCHOOL OF ENGINEERING BENGALURU CAMPUS

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
5.	41S_B_BE_065	A STUDY ON DIESEL ENGINE USING WASTE COOKING OIL WITH BIOTIC ADDITIVE	MECHANICAL ENGINEERING	Asst. Prof. DIVAKAR SHETTY AS	Mr SRIRAM SRINIVASAN	10000.00

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### 5. BLDEA P G HALAKATI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
6.	41S_B_BE_064	EXHAUST GAS RECIRCULATION FOR NOX REDUCTION IN BIODIESEL FUELLED ENGINE	MECHANICAL ENGINEERING	PROF.R.S.ELLUR	MR.AKSHAYKUMAR	9000.00

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### 6. CANARA ENGINEERING COLLEGE

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
7.	41S_B_BE_101	KITCHEN TOP BIOGAS DIGESTER	MECHANICAL ENGINEERING	Mr.M PRASHANTH KAMATH	Mr.KARTHIK N S	9500.00

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### 7. DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
8.	41S_B_BE_013	PRODUCTION OF MYCODIESEL FROM COST EFFECTIVE HYDROCARBONS OF ENDOPHYTIC FUNGAL SPECIES OF PONGAMIA AND JATROPHA	BIOTECHNOLOGY	Dr. GOVINDAPPA M	MS. ZOYA NOORAIN	12000.00
9.	41S_B_BE_014	BIOFUEL PRODUCTION USING INNOVATION AND COST EFFECTIVE BIOREACTOR FROM MICROALGAE AND PVA BY HYDROTHERMAL LIQUEFACTION TECHNOLOGY (AT LOW TEMPERATURE).	BIOTECHNOLOGY	MRS. MANASA V ANAND	MS. VAISHNAVI CONETI	13000.00



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### 8. EAST WEST INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
10.	41S_B_BE_040	SYNTHESIS OF COMPARITIVE ANALYSIS OF PONGAMIA OIL BIO LUBRICANT	MECHANICAL ENGINEERING	Prof.PRADEEP M S	Mr.RAHUL V	13000.00
11.	41S_B_BE_098	DESIGN AND FABRICATION OF MOTOR DRIVEN CATTLE DUNG MIXER FOR BIOGAS PLANT	MECHANICAL ENGINEERING	Prof. SHWETHASHREE B	Mr. YASHWANTH K R	8000.00

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### 9. GIRIJABAI SAIL INSTITUTE OF TECHNOLOGY, KARWAR

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
12.	41S_B_BE_086	PRODUCTION OF BIOETHANOL FROM WASTE CASHEW APPLE AND USE OF BIOETHANOL AS FUEL FOR IC ENGINE	MECHANICAL ENGINEERING	Prof. SANTOSH BHUIMBAR	Mr.NARAYAN NAIK GAONKAR	7000.00

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### 10. GM INSTITUTE OF TECHNOLOGY, DAVANGERE

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
13.	41S_B_BE_018	PRODUCTION OF BIOFUEL AND BIOSORPTION OF HEAVY METALS BY MICROALGAE USING INDUSTRIAL WASTE WATER	BIOTECHNOLOGY	Dr. H GURUMURTHY	Ms. SAHANA S KULKARNI	10000.00

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### 11. GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
14.	41S_B_BE_010	PRODUCTION OF BIODIESEL FROM NON EDIBLE OIL AND INVESTIGATING ITS SUITABILITY FOR IC ENGINE APPLICATION	MECHANICAL ENGINEERING	MR. CHANDRASHEKAR PATIL	MR. PRASHANT KAMBLE	13000.00

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### 12. HKBK COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
15.	41S_B_BE_026	EXPERIMENTAL ANALYSIS OF FUEL PROPERTIES AND ENGINE BEHAVIOUR WITH PONGAMIA SEED OIL AS BIOFUEL	MECHANICAL ENGINEERING	PROF.YOUNUS PASHA	MR. NOUMAN TALHA ADIL	11000.00

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### 13. JAIN COLLEGE OF ENGINEERING, BELAGAVI

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
16.	41S_B_BE_079	DESIGN AND DEVELOPMENT OF LOW CAPACITY PRESSURE REACTOR FOR PRODUCTION OF CEIBA PENTANDRA, MILK SCUM OIL BIODIESEL USING GRAPHENE OXIDE AS CATALYST	MECHANICAL ENGINEERING	Prof. BHASKAR BOGAR	Mr. RAJAT PALAKSHAPPA	13000.00

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### 14. JAIN INSTITUTE OF TECHNOLOGY, DAVANGERE

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
17.	41S_B_BE_102	DESIGN AND FABRICATION OF A CERATONIA SILIQUA DEPULP AND SEED EXTRACTION MACHINE	MECHANICAL ENGINEERING	Mr. PRADEEP KUMAR ILAY	Mr. SANTOSH C	13000.00

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### 15. JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	SanctionedA mount (Rs.)
18.	41S_B_BE_094	DESIGN AND FABRICATION OF BIODIESEL FILTER	MECHANICAL ENGINEERING	Mr.RAVIKUMAR B. N.	Mr. GOWTHAM S	13000.00
19.	41S_B_BE_109	MECHANIZED PONGAMIA POD HARVESTER	MECHANICAL ENGINEERING	Prof. J ASHOK	Mr. SACHIN M B	13000.00



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### 16. KARAVALI INSTITUTE OF TECHNOLOGY, MANGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
20.	41S_B_BE_053	OPTIMIZATION AND PRODUCTION OF BIODIESEL FROM DAIRY WASH WATER USING NANO SCIENCE, RSM METHODOLOGY AND ITS PERFORMANCE EVALUATION IN DI- DIESEL ENGINE FOR VARIOUS COMPRESSION RATIOS	MECHANICAL ENGINEERING	PROF. DINESH KUMAR K	Mr.ASHISH KUMAR	5000.00

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### 17. KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAVI

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
21.	41S_B_BE_097	DESIGN AND DEVELOPMENT OF THERMAL PYROLYSIS UNIT FOR THE PRODUCTION OF LIQUID FUEL BY USING HOUSEHOLD PLASTIC WASTE	MECHANICAL ENGINEERING	Prof. P. I. UGRAN	Mr. MALLINATH C KUMBAR	8000.00

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### 18. KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKODI

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
22.	41S_B_BE_047	OPTIMIZATION OF PERFORMANCE CHARACTERISTICS OF DI DIESEL ENGINE WITH BLENDS OF HONNE(CALLOPHYLLUM INOPHYLLUM LINN) BIO-DIESEL AND PURE DIESEL	MECHANICAL ENGINEERING	MR. MURALI AMBEKAR	MR.MUDASI S K	8000.00

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### 19. KLS GOGTE INSTITUTE OF TECHNOLOGY, BELGAUM

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
23.	41S_B_BE_041	PREPARATION OF BIOFUEL BLENDED WITH NANOPARTICLES	MECHANICAL ENGINEERING	Dr. T.R. ANIL	Mr. VISHNU SHETTY	8000.00

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**20. MALNAD COLLEGE OF ENGINEERING, HASSAN**

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
24.	41S_B_BE_019	ECOTOXICITY AND BIODEGRADABILITY STUDIES OF NEEM OIL BASED METAL CUTTING FLUID	MECHANICAL ENGINEERING	Dr.S.R.JAYARAM	Mr.PRADEEP KASHYAP K.S.	13000.00
25.	41S_B_BE_020	PERFORMANCE EVALUATION OF NEEM OIL AS BIO-LUBRICANT USING NANO ADDITIVES	MECHANICAL ENGINEERING	Dr. S. R. JAYARAM	Mr. THEJAS K. S.	11000.00
26.	41S_B_BE_021	COMPARATIVE STUDY OF PERFORMANCE AND EMISSION CHARACTERISTICS OF FOUR STROKE GASOLINE ENGINE UNDER THE VARIOUS BLENDS WITH BIO LUBRICANTS.	AUTOMOBILE ENGINEERING	Dr. Y. M. SHASHIDHARA	Mr. ASHOKA G U	11000.00

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### 21. MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
27.	41S_B_BE_057	PERFORMANCE AND EMISSION CHARACTERISTICS STUDIES OF CI ENGINE USING GRAPHENE AND ALUMINIUM OXIDE NANO PARTICLES BLENDED DAIRY WASTE SCUM BIO DIESEL AND EFFECT OF INJECTION PRESSURE AND THREE AND FIVE HOLE OF NOZZLE COMBUSTION PROCESS	MECHANICAL ENGINEERING	Dr. VIGNESH NAYAK	Mr. MOHAMMED SAFWAN	9000.00

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### 22. MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
28.	41S_B_BE_099	OPTIMIZATION OF BIOGAS PRODUCTION IN SEMI BATCH REACTORS	CHEMICAL ENGINEERING	DR. GAUTHAM JEPPI	MR. JAYALAL J.	9000.00

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### 23. NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
29.	41S_B_BE_042	PILOT PLANT STUDY FOR SUSTAINABLE ENERGY GENERATION IN SEPTIC TANK USING BIO-FUEL CELL	CIVIL ENGINEERING	Dr.K.KUMAR	MAYANA ISMAIL KHAN	10000.00



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### 24. NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
30.	41S_B_BE_003	EXPERIMENTAL STUDY OF ACETYLENE AND ALCOHOL AS AN ALTERNATIVE FUEL FOR GASOLINE ENGINE	MECHANICAL ENGINEERING	Dr. M S GANESH PRASAD	Mr. ZAKI AMER	11000.00
31.	41S_B_BE_006	A COMPARATIVE STUDY OF THE PROPERTIES AND EFFECTS OF DIFFERENT BLENDS OF BIO-DIESEL ON CRANKCASE LUBRICANT AND PERFORM EXHAUST GAS ANALYSIS FOR THE SAME	MECHANICAL ENGINEERING	Mr. KAMALASISH DEB	Mr. AMAR KUMAR BHATT	7000.00
32.	41S_B_BE_007	DESIGN AND FABRICATION OF MACHINE TO CONVERT PLASTIC INTO OIL AND GASEOUS FUEL PRODUCTION	MECHANICAL ENGINEERING	Prof. LAKSHMANA NAIK	Mr. SITAL KUMAR SAH	11000.00

33.	41S_B_BE_008	IMPROVISATION ON PHYSICAL AND COMBUSTION PROPERTIES OF FUEL BRIQUETTE FROM PONGAMIA AND GLYCERIN MIXING DIFFERENT BINDERS	MECHANICAL ENGINEERING	Mr. LAKSHMINARASIMHAN	Mr. ARJUN YADAV	5000.00
34.	41S_B_BE_067	A COUPLED PROCESS INTEGRATING HEAVY METAL BIOREMEDIATION AND BIODIESEL PRODUCTION USING OLEAGINOUS MICROALGAE	BIOTECHNOLOGY	DR. R.S.UPENDRA	Ms. CHAITHANYA LAKSHMI	10000.00
35.	41S_B_BE_090	DESIGN OF PYROLYSIS REACTOR FOR SYNTHESIS OF BIODIESEL FROM POULTRY WASTE (CHICKEN FEATHERS) AND ENGINE PERFORMANCE TESTING	BIOTECHNOLOGY	Mr. GIRISH N DESAI	Mr. MANAN CHAMARIA	10000.00

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### 25. NMAM INSTITUTE OF TECHNOLOGY, KARKALA

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
36.	41S_B_BE_063	PROCESS DEVELOPMENT FOR THE PRODUCTION OF BIOETHANOL USING COFFEE BERRY PULP IN LAB SCALE AND BIOREACTOR	BIOTECHNOLOGY	Dr. C.VAMAN RAO	Ms.SHAIKH ANAMBANU AMEER	10000.00
37.	41S_B_BE_103	GLYCEROL AS A FEED STOCK FOR MICROBIAL LIPID PRODUCTION	BIOTECHNOLOGY	Ms. HARSHITHA M JATHANNA	Ms. ELSA JOSSY J	10000.00

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### 26. P E S COLLEGE OF ENGINEERING MANDYA

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
38.	41S_B_BE_072	LOW COST AND PORTABLE SCRUBBING AND BOTTLING UNIT USING HYBRID COMPRESSOR FOR BIO FUEL SYSTEM	MECHANICAL ENGINEERING	PROF. K J MAHENDRA BABU	MR. MANOJ T	12000.00

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### 27. R. V. COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
39.	41S_B_BE_081	PRODUCTION OF BACTERIAL CELLULOSE FROM SEWAGE AND ITS USE IN POWER GENERATION THROUGH ENZYMATIC FUEL CELL FORMULATION	BIOTECHNOLOGY	Dr. LINGAYYA HIREMATH	Ms. AISHWARYA BHAT	10000.00

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### 28. RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
40.	41S_B_BE_027	CHEMICAL AND ENZYMATIC CONVERSION OF BIOGLYCEROL TO ACETINS	CHEMICAL ENGINEERING	DR. RAJESWARI M KULKARNI	MR. SYED SAQLINE	9000.00
41.	41S_B_BE_028	CATALYTIC CONVERSION OF GLYCEROL TO OXYGENATED FUEL ADDITIVE (SOLKETAL) USING HETEROPOLYACID	CHEMICAL ENGINEERING	Dr ARCHNA	Mr SUDARSHAN C S	9000.00

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### 29. SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT ADYAR, MANGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
42.	41S_B_BE_043	BIODIESEL EXTRACTION FROM WASTE PLASTIC MATERIAL	MECHANICAL ENGINEERING	Mr. SUHAS	Mr. CHANDAN P S	10000.00
43.	41S_B_BE_044	OPTIMIZATION FOR HIGH YIELD BIODIESEL PRODUCTION FROM FISH OIL USING NANO CATALYST AND PERFORMANCE EVALUATION IN DIESEL ENGINE	MECHANICAL ENGINEERING	Mr. AJITH B.S	Mr. MOHAMMED YASIRUDDIN K B	10000.00
44.	41S_B_BE_046	EXPERIMENTAL INVESTIGATION ON PERFORMANCE & EMISSION CHARACTERISTICS USING POULTRY WASTE BIODIESEL AND ADDITIVES IN CI ENGINE	MECHANICAL ENGINEERING	Mr. LAWRENCE JOSEPH FERNANDES	MOHAMMED SAFUVAN C A	13000.00

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### 30. SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
45.	41S_B_BE_062	INVESTIGATIONS ON PERFORMANCE AND POLLUTION LEVEL ON N-BUTANOL BLENDED PETROL FUELED IC ENGINE (10% TO 50% BLENDING)	MECHANICAL ENGINEERING	Prof. RAGHUTHAMA RAO	Mr. CHETAN R	11000.00
46.	41S_B_BE_076	DESIGN AND LAB SCALE ULTRASOUND BATCH REACTOR FOR THE PRODUCTION OF BIODIESEL FROM THE SLAUGHTER WASTE.	BIOTECHNOLOGY	Prof. KAVYA MV	Ms. NIRANJANA S	8500.00



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### 31. SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
47.	41S_B_BE_100	WASTE TO ENERGY WITH A BIO GAS UNIT	CIVIL ENGINEERING	DR. S.G. JOSHI	MR. AKASH DHAWALE	12000.00

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### 32. SECAB INSTITUTE OF ENGINEERING AND TECHNOLOGY, VIJAYPUR

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
48.	41S_B_BE_082	ENERGY-EXERGY ANALYSIS OF CI ENGINE FUELED WITH RAPESEED/WASTE COOKING OIL BASED BIODIESEL	MECHANICAL ENGINEERING	Dr. SYED ABBAS ALI	Mr.MUDASI BASAVARAJ BHIMAPPA	7500.00

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### 33. SG BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAVI

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
49.	41S_B_BE_012	BIODIESEL FROM SAL SEED OIL	MECHANICAL ENGINEERING	Prof. PRASAD KALLOLIMATH	Mr. IMAMUDDIN S RAHIMKHAN	13000.00

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### 34. SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
50.	41S_B_BE_033	SOLAR HEAT ASSISTED BIODIESEL PRODUCTION FROM NON EDIBLE OIL SEEDS AND IT'S PERFORMANCE STUDY ON CI ENGINE	MECHANICAL ENGINEERING	Dr. R. SURESH	Mr. ANANDA G	13000.00
51.	41S_B_BE_034	STUDY OF CALOPHYLLUM INOPHYLLUM BIODIESEL AND PERFORMANCE ON CI ENGINE USING COMBINATION OF BIOETHANOL, BIODIESEL, DIESEL AND ITS FEASIBILITY STUDY USING NATURAL AND SYNTHETIC ANTIOXIDANT	MECHANICAL ENGINEERING	Mr. ARUN S B	Mr. CHANDAN B R	13000.00
52.	41S_B_BE_035	PRODUCTION OF BIODIESEL USING ANIMAL FAT AND STUDY OF PERFORMANCE ON CI ENGINE USING COMBINATION OF BUTANOL, BIODIESEL, DIESEL AND ITS FEASIBILITY STUDY	MECHANICAL ENGINEERING	Mr. ARUN.S. B	Mr.NAMITH .B.M	13000.00
53.	41S_B_BE_107	DESIGN AND FABRICATION OF MINI PORTABLE BIODIESEL PRODUCTION UNIT	MECHANICAL ENGINEERING	Mr. OMKARESH B R	Mr. MANIKANTA B	13000.00
54.	41S_B_BE_108	SEMI AUTOMATED HONGE SEED CLEANING MACHINE	MECHANICAL ENGINEERING	Dr. R. SURESH	Mr. MUSTHAFEEZ MUHEEB AHAMED	14000.00

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### 35. SJM INSTITUTE OF TECHNOLOGY, CHITRADURGA

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
55.	41S_B_BE_074	DESIGN AND FABRICATION OF NEEM DE-PULPING MACHINE	MECHANICAL ENGINEERING	PROF. SRIDHAR	MR. SHYAM SHANKAR S	13000.00
56.	41S_B_BE_112	STUDY ON EFFECT OF STEAMING PONGAMIA SEEDS BEFORE CRUSHING ON OIL YIELD	MECHANICAL ENGINEERING	PROF.SRIDHAR	KIRANKUMAR V KAMBALIMATH	11000.00

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### 36. SRI TARALABALU JAGADGURU INSTITUTE OF TECHNOLOGY, RANEBENNUR

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
57.	41S_B_BE_031	PERFORMANCE ANALYSIS OF CI ENGINE FUELED WITH TURMERIC LEAF OIL ASSISTED BY MAGNETIC FUEL ENERGIZER	MECHANICAL ENGINEERING	Mr.GIRISH S HALLI	Mr. NAGABHUSHAN G REVANKAR	7500.00

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### 37. SRI VENKATESHWARA COLLEGE OF ENGINEERING, BANGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
58.	41S_B_BE_059	STUDY OF EFFECT OF METAL OXIDE NANOPARTICLES ON SPENT COFFEE OIL BIODIESEL PRODUCTION AND PERFORMANCE TESTS IN A DIESEL ENGINE	MECHANICAL ENGINEERING	MR. SUNIL S.	MR. SHIVAKUMAR H.U.	13000.00

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### 38. THE NATIONAL INSTITUTE OF ENGINEERING, MYSURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
59.	41S_B_BE_023	APPLICATION OF GLOBAL POSITIONING SYSTEM(GPS) IN MAPPING OF BIOFUEL PLANTATION	CIVIL ENGINEERING	ASST. PROF. VADIRAJ RAO N. R	Ms. SUSHMA S	10500.00



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### 39. THE OXFORD COLLEGE OF ENGINEERING

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
60.	41S_B_BE_038	PERFORMANCE AND EMISSION CHARACTERISTICS OF INTERNAL COMBUSTION ENGINE FUELLED WITH TWO BIO-DIESEL BLEND	AUTOMOBILE ENGINEERING	Dr. RAJU B R	Ms. NISCHITHA L	12000.00

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### 40. VEMANA INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
61.	41S_B_BE_084	PERFORMANCE CHARACTERISTICS OF METHANOL (CH <sub>3</sub> OH) EXTRACTED FROM ATMOSPHERIC CO <sub>2</sub> .	MECHANICAL ENGINEERING	Prof. PUNEETH S.	Mr RAKSHAN R	12000.00

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### 41. VIVEKANANDA INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
62.	41S_B_BE_083	EFFECT OF INJECTION PRESSURE ON PERFORMANCE AND EMISSION CHARACTERISTICS OF CI ENGINE FUELLED WITH MIXED ESTERIFIED OIL BLENDS DERIVED FROM DAIRY SCUM AND FRIED OIL	MECHANICAL ENGINEERING	Mr. MANJUNATHA R	Mr.PRAVEEN H	13000.00

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### 1. DAVANGERE UNIVERSITY, DAVANGERE

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
1.	41S_B_MSC_019	PRODUCTION OF BIOETHANOL FROM AGRO WASTES	MICROBIOLOGY	Dr.RAMALINGAPPA	Mr.SIDDESH H.M.	13000.00

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## 2. DEPARTMENT OF BIOTECHNOLOGY, GULBARGA UNIVERSITY

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
2.	41S_B_MSC_018	BIOETHANOL PRODUCTION FROM AGRO WASTE (PIGEON PEA STALK) USING SOLID STATE FERMENTATION	BIOTECHNOLOGY	PROF. RAMESH LONDONKAR	MS. KIRTI	14000.00

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## 3. DEPARTMENT OF MICROBIOLOGY AND BIOTECHNOLOGY, BENGALURU UNIVERSITY

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	SanctionedA mount (Rs.)
3.	41S_B_MSC_016	BIO-ETHANOL PRODUCTION FROM FINGER MILLET (RAGI) HUSK BY DIFFERENT PRETREATMENT METHODS, SIMULTANEOUS SACCHARIFICATION AND FERMENTATION	BIOTECHNOLOGY	Dr. S. T. GIRISHA	Mr. HEMALATHA M.	11500.00

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### 4. DEPARTMENT OF MICROBIOLOGY, DAVANGERE UNIVERSITY

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	SanctionedA mount (Rs.)
4.	41S_B_MSC_017	EFFICACY OF PONGAMIA OIL BASED SOAP AGAINST CONVENTIONAL SOAPS WITH RESPECT TO ANTIBACTERIAL ACTIVITY TO ENCOURAGE HYGIENE PRACTICE AMONG RURAL FOLK	LIFE SCIENCES	PROF. GAYATHRI DEVARAJA	Mr.SANDEEPA E.	12500.00

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### 5. GARDEN CITY COLLEGE OF SCIENCE AND MANAGEMENT STUDIES, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
5.	41S_B_MSC_011	EFFECT OF TRANSPIRATION ON BIOFUEL PRODUCTION AND EVALUATE THE RATE OF CARBON SEQUESTRATION IN ORYZA SATIVA L. WITH ANABAENA	LIFE SCIENCES	Dr. MADHU MALLESHAPPA	Ms. ASHWINI GOVEKAR	7000.00
6.	41S_B_MSC_022	MICROALGAE BASED BIOREMEDIATION OF PHARMACEUTICAL EFFLUENTS AND ITS CULTIVATION OF BIOFUEL PRODUCTION	LIFE SCIENCES	Dr. YASRIB QURISHI	Ms. AISHWARYA N. NAIK	10000.00
7.	41S_B_MSC_024	BIOETHANOL PRODUCTION PROCESS OPTIMIZATION FROM CITRUS SPS SEED OIL AND ITS CHARACTERIZATION	LIFE SCIENCES	Dr. SHARANGOUDA J. PATIL	Ms. PUJA KUMARI	7000.00



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### 6. INDIAN ACADEMY DEGREE COLLEGE-AUTONOMOUS, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	SanctionedA mount (Rs.)
8.	41S_B_MSC_005	GENETIC VARIATION ANALYSIS OF MICROALGAL SPECIES UNDER NUTRIENT STRESS THROUGH MARKER ASSISTANCE FOR POTENTIAL BIOFUEL SOURCE	BIOTECHNOLOGY	DR. SIBI G	MR. SAYANTAN CHOUDHURY	13000.00

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### 7. JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE, MYSURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	SanctionedA mount (Rs.)
9.	41S_B_MSC_004	BIO-CAPSULE FORMATION FOR BIOETHANOL PRODUCTION FROM AGROWASTE	BIOCHEMISTRY	DR. LATHA B V	MS. ACHALA P VASISHT	13000.00

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### 8. MAHARANI LAKSHMI AMMANI COLLEGE FOR WOMEN, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
10.	41S_B_MSC_010	ISOLATION AND CHARACTERIZATION OF KARANJIN FROM PONGAMIA SEED CAKE FOR INSECTICIDAL ACTIVITY	BIOTECHNOLOGY	DR. BABITHA B.	MS. CHAITALI CHANDRASHEKHAR PATHARE	11500.00
11.	41S_B_MSC_023	STRAIN IMPROVEMENT OF PENICILLIUM SPECIES FOR THE HIGH YIELD PRODUCTION OF EXTRACELLULAR LIPASE	BIOCHEMISTRY	Dr. SUNEETHA P	Ms. SHABANA BEGUM	13000.00

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### 9. MAHARANI'S SCIENCE COLLEGE FOR WOMEN, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
12.	41S_B_MSC_007	PRODUCTION OF BIOETHANOL FROM COFFEE PULP WASTE USING SACCHAROMYCES CEREVISIAE	MICROBIOLOGY	Dr. VISHWANATHA.T	Ms.HARSHITHA M.	11500.00
13.	41S_B_MSC_008	PRODUCTION OF BIOETHANOL FROM AGRICULTURAL WASTE USING FUNGI AND SACCHAROMYCES CEREVISIAE	MICROBIOLOGY	Dr. VISHWANATHA. T	Ms.PRAKRUTHI. G	13000.00

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### 10. SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
14.	41S_B_MSC_015	EFFECTIVE COMPOSTING OF BIOWASTE AND PONGAMIA PINNATA CAKE USING TRICHODERMA	BIOTECHNOLOGY	Dr.L.K SREEPATHI	Mr.VARUN M.	8000.00
15.	41S_B_MSC_020	DETECTION OF ANTIFUNGAL ACTIVITY OF PONGAMIA OIL AND BIODIESEL PRODUCTS AGAINST PATHOGENIC PLANT FUNGI	BIOTECHNOLOGY	Dr.L.K SREEPATHI	Mr.HALESH B.M	9000.00

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### 11. TUMKUR UNIVERSITY, TUMAKURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	SanctionedA mount (Rs.)
16.	41S_B_MSC_006	HYDROLYSIS EFFICIENCY OF MINIMALLY TREATED MISCANTHUS SINENSIS BIOMASS	ENVIRONMENTAL SCIENCE	Dr.R. G. SHARATHCHANDRA	MS. VINDHYA G S	12000.00

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### 1. NMAM INSTITUTE OF TECHNOLOGY, KARKALA

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
1.	41S_B_MTECH_009	PERFORMANCE ENHANCEMENT OF FOUR STROKE CI ENGINE FUELED WITH DIESEL, WCO BIODIESEL AND ETHANOL BLENDS WITH INCLUSION OF NANO ADDITIVES	MECHANICAL ENGINEERING	Dr. NARASIMHA K BAILKERI	Mr. AVINASH KALLURAYA M	12500.00

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### 2. RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
2.	41S_B_MTECH_003	EXPERIMENTAL INVESTIGATION ON USE OF PRE-HEATED NEEM OIL BIODIESEL IN DIESEL ENGINE	THERMAL POWER ENGINEERING	Prof. SREENIVASALU REDDY	Mr.RAMACHANDREGO WDA P L	17000.00



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### 3. VTU CENTRE FOR POST GRADUATION STUDIES, MYSURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
3.	41S_B_MTECH_006	PRODUCTION AND OPTIMIZATION OF BIODIESEL FROM CRUDE RICE BRAN OIL THROUGH ENZYMATIC CATALYST AND PERFORMANCE ANALYSIS ON DIESEL ENGINE FOR BLENDS OF BIODIESEL, DIESEL AND KEROSENE	THERMAL POWER ENGINEERING	Dr. MALLIKARJUNAYYA C.MATH	Mr. DARSHAN C M	18500.00

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### 1. MS RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
1.	41S_B_MBA_001	A STUDY ON COMMERCIALIZATION OF BIODIESEL IN BANGALURU CITY	MANAGEMENT STUDIES	Prof. SANTHOSH KUMAR.S	Mr. GAURAV DHAMA	12500.00
2.	41S_B_MBA_002	DEVELOPMENT OF A SUPPLY CHAIN MODEL FOR BIODIESEL PRODUCTION FROM NON EDIBLE COOKING OIL	MANAGEMENT STUDIES	Dr. Y.M.SATISH	Mr. KARTHIKEYAN V	12500.00

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### 2. SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT ADYAR, MANGALURU

Sl. No.	Proj. proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	Sanctioned Amount (Rs.)
3.	41S_B_MBA_003	COST ANALYSIS AT DIFFERENT STAGES OF OPERATION OF BIO MASS FUEL BRIQUETTES	MANAGEMENT STUDIES	Dr. RASHMI KODIKAL	Mr. VARUN.K	4500.00
4.	41S_B_MBA_004	CAPITAL BUDGETING DECISION ON INSTALLATION OF BIO-FUEL PLANT WITH SPECIAL REFERENCE TO BIO-DIESEL FROM RUBBER SEED	MANAGEMENT STUDIES	DR. VISHAL SAMARTHA	MS. ANUPAMA P S	4500.00
5.	41S_B_MBA_007	ECONOMIC VIABILITY OF BIO FUEL PRODUCTION FROM TREE BORN SEEDS	MANAGEMENT STUDIES	DR. VIDYAVATHI K	Ms. KSHAMA HEGDE	6500.00
6.	41S_B_MBA_008	SUPPLY CHAIN MANAGEMENT OF BIODIESEL FROM TREE BORNE SEEDS	MANAGEMENT STUDIES	DR. VIDYAVATHI K	Ms. AISHWARYA K. VIJAYAN	5500.00