

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science Campus, Bengaluru - 560012

**40th SERIES OF STUDENT PROJECT PROGRAMME (Biofuel/Bioenergy) :
2016-2017**

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

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

1) AMC ENGINEERING COLLEGE, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|----------------|--------------------------------|--|------------------------|----------------------------|-----------------------------------|-------------------------------|
| 1. | 40S_B_BE_039 | PRODUCTION AND QUALITY TESTING OF BRIQUETTE FUELS FROM SIMAROUBA AND JATROPHA SEED SHELL BY MIXING SEED CAKE | MECHANICAL ENGINEERING | MR. SANTHOSH U. | MR. SACHIN KUMAR P.M. | 11,500.00 |

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2) AMRUTHA INSTITUTE OF ENGINEERING AND MANAGEMENT SCIENCES, BIDADI

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|------------------------|---------------------|------------------------|------------------------|
| 2. | 40S_B_BE_011 | PRODUCTION OF BIODIESEL FROM MANILKARA ZAPOTA (CHIKOO OR SAPODILLA) SEED OIL AND PERFORMANCE CHARACTERISTICS STUDY ON SINGLE CYLINDER CI ENGINE | MECHANICAL ENGINEERING | MR. RAMESH N. | MR. S. NAVEEN KUMAR | 6,000.00 |

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3) B. V. BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBBALLI

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|---------------|---|------------------------|------------------------|
| 3. | 40S_B_BE_096 | BIODIESEL PRODUCTION AND CHARACTERIZATION USING LIPASE IMMOBILIZED ON MAGNETIC Fe ₃ O ₄ NANOPARTICLES | BIOTECHNOLOGY | PROF. V.S. HOMBALIMATH & DR. S.V. GANACHARI | MS. SHWETA DESAI | 6,000.00 |
| 4. | 40S_B_BE_104 | BIOCONVERSION OF LIGNOCELLULOSIC WASTE MATERIAL FOR ETHANOL PRODUCTION | BIOTECHNOLOGY | PROF. GURURAJ TENNALLI | MS. PRIYA KANEKAL | 9,000.00 |

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4) BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|----------------|--------------------------------|--|------------------------|----------------------------|-----------------------------------|-------------------------------|
| 5. | 40S_B_BE_071 | PRODUCTION OF BIODIESEL FROM MESUA FERREA LINN SEED OIL AND ITS PERFORMANCE STUDY ON CI ENGINE | MECHANICAL ENGINEERING | PROF. S.C. YALLI | MR. AJAY KAGALAGOMB | 9,000.00 |

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5) CANARA ENGINEERING COLLEGE, BENJANAPADAVU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|----------------|--------------------------------|--|------------------------|----------------------------|-----------------------------------|-------------------------------|
| 6. | 40S_B_BE_067 | OPTIMIZATION OF BIOGAS GENERATION FROM HOUSEHOLD WASTE | MECHANICAL ENGINEERING | PROF. PRASHANTHKAMATH | MR. K. ANIRUDHSHENOY | 9,000.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

6) CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|------------------------|---------------------|------------------------|------------------------|
| 7. | 40S_B_BE_055 | PEROFRMANCE TEST ON 4 STROKE SINGLE CYLINDER DIESEL ENGINE USING DIESEL BLENDED WITH CORN ETHANOL AS A FUEL | MECHANICAL ENGINEERING | MR. NAGESH S.B. | MR. MANU A.S. | 9,000.00 |

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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 | Sectioned Amount (Rs.) |
|---------|-------------------------|---|------------------------|--|------------------------|------------------------|
| 8. | 40S_B_BE_095 | EXPERIMENTATION AND PERFORMANCE ANALYSIS ON SINGLE CYLINDER DIESEL ENGINE USING MESUA OIL | MECHANICAL ENGINEERING | MR. VIVEK BHANDARKAR V.N. & MR. MOHAN DAS A.N. | MR. T.R. MANOJ | 9,000.00 |
| 9. | 40S_B_BE_097 | INNOVATIVE BIOFUEL PRODUCTION FROM HYDROTHERMAL LIQUEFACTION TECHNOLOGY BY BLENDING POLYVINYL ALCOHOL (PVA) AND LIGNOCELLULOSIC BIOMASS (SAWDUST) | BIOTECHNOLOGY | MRS. MANASA V. ANAND | MR. SAKET KUMAR | 8,000.00 |

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8) DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|--|------------------------|---------------------|------------------------|------------------------|
| 10. | 40S_B_BE_101 | PRODUCTION OF BIOETHANOL BY USING COFFEE HUSKS WASTE AVAILABLE IN THE COFFEE PRODUCTION REGIONS OF KARNATAKA | MECHANICAL ENGINEERING | MR. VISHWANATH M.M. | MR. VISHWAJNA | 10,000.00 |

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9) EAST POINT 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 | Sectioned Amount (Rs.) |
|---------|-------------------------|---|------------------------|-------------------------|------------------------|------------------------|
| 11. | 40S_B_BE_042 | A STUDY AND ANALYSIS OF DIESEL ENGINE FOR ITS PERFORMANCE USING BIODIESEL A MIXTURE OF WASTE MILK SCUM OIL AND PONGAMIA PINNATA OIL | MECHANICAL ENGINEERING | PROF. NAGESH KUMAR R. | MR. SURAJ SINGH | 9,000.00 |
| 12. | 40S_B_BE_057 | DESIGN AND FABRICATION OF BIODIESEL OIL EXTRACTOR | MECHANICAL ENGINEERING | PROF. S.S. MAHESH REDDY | MS. NANDINI M. | 8,000.00 |

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10) GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|------------------------|---------------------|------------------------|------------------------|
| 13. | 40S_B_BE_006 | STUDY OF IMPROVEMENT IN PERFORMANCE AND EMISSION CHARACTERISTICS OF A SINGLE CYLINDER CI ENGINE FUELED WITH DIESEL LIKE FUEL FROM WASTE LUBRICATION OIL BLENDED WITH BIODIESEL PRODUCED FROM WASTE COOKING OIL USING COMPOSITE DDITIVES (BHT AND N-BUTANOL) | MECHANICAL ENGINEERING | MR. GHALEPPA | MR. DARSHAN D.A. | 6,000.00 |

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11) H.M.S INSTITUTE OF TECHNOLOGY, TUMAKURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|------------------------|-----------------------------|---------------------------|------------------------|
| 14. | 40S_B_BE_022 | OPTIMIZATION OF ZnO-TiO ₂ NANO-CATALYZED TRANSESTERIFICATION OF SPENT BLEACH POWDER OIL FOR BIODIESEL AND ITS PERFORMANCE STUDY ON DIESEL ENGINE | MECHANICAL ENGINEERING | MR. HARSHA HEBBAR H.R. | MR. FELIX NICHOLS K.S. | 10,000.00 |
| 15. | 40S_B_BE_020 | OPTIMIZED PRODUCTION OF AEGLE MARMELOS METHYL ESTER USING SYNTHESIZED GREEN HETEROGENEOUS NANO-CATALYST AND ITS APPLICATION IN DIESEL ENGINE | MECHANICAL ENGINEERING | MR. MANJUNNATH VANALMATH | MR. SACHIN S | 9,000.00 |

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12) HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|--------------------------|------------------------|-----------------------|
| 16. | 40S_B_BE_012 | EXPERIMENTAL INVESTIGATION OF PERFORMANCE, COMBUSTION AND EMISSION CHARACTERISTICS OF BLEND OF PLASTIC OIL AND PONGAMIA WITH DIESEL ON CI-DI VCR ENGINE | MECHANICAL ENGINEERING | PROF. RAMESH V NYAMAGOUD | MR. BHIMAGOUDA PATIL | 9,000.00 |
| 17. | 40S_B_BE_102 | EXPERIMENTAL INVESTIGATION OF DRY SUGARCANE LEAVES PALLETS AS A ECOFRIENDLY BIOFUEL AND FABRICATION OF SPECIALLY DESIGNED FURNACE FOR HOUSEHOLD PURPOSE | MECHANICAL ENGINEERING | MR. MAHANTESH I. TANODI | MR. RAHUL RAJ | 8,500.00 |

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13) HKBK COLLEGE OF ENGINEERING, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|---------------------|------------------------|-----------------------|
| 18. | 40S_B_BE_078 | ANALYSIS OF FUEL CHARACTERISTICS AND PERFORMANCE PARAMETERS OF DIESEL ENGINE USING PONGAMIA OIL BLENDS | MECHANICAL ENGINEERING | MR. YOUNUS PASHA | MR. AKSHAY | 10,000.00 |

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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 | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|------------------------|------------------------|-----------------------|
| 19. | 40S_B_BE_105 | DESIGN AND DEVELOPMENT OF SIMAROUBA SEED EXTRACTING MACHINE | MECHANICAL ENGINEERING | MR. PRADEEP KUMAR ILAY | MR. VINAY B C | 8,000.00 |

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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 | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|---|------------------------|-----------------------|
| 20. | 40S_B_BE_056 | EXPERIMENTAL STUDY ON EFFECT OF USAGE OF SVO AND B20 ON OIL FILTER AND EXHAUST EMISSION OF PASSENGER VEHICLE | MECHANICAL ENGINEERING | DR. RAGHAVENDRA H. & DR. L.K. SREEPATHI | MR. MANJUNATHA M.G. | 10,000.00 |

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16) KALPATARU INSTITUTE OF TECHNOLOGY, TIPTUR

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|---------------------------------------|------------------------|-----------------------|
| 21. | 40S_B_BE_004 | STUDY ON ENTREPRENEURIAL OPPORTUNITIES IN BIODIESEL PRODUCTION FROM WASTE COCONUT OIL AND ITS UTILIZATION IN DIESEL ENGINE | MECHANICAL ENGINEERING | ASST. PROF. MANJUNATH CHANNAPPAGOUDRA | MR. MAHAVEERA CHOUGALA | 9,000.00 |

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17) KLE DR. M.S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|--------------------------|-------------------------|-----------------------|
| 22. | 40S_B_BE_026 | PERFORMANCE AND COMBUSTION CHARACTERISTICS OF CI ENGINE FUELLED WITH EMULSIFIED HYBRID OIL BIODIESEL | MECHANICAL ENGINEERING | PROF. VEERESH M. KODEKAL | MR. PRADEEP SHAHAPURKAR | 8,000.00 |

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18) M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|---|----------------------|---|------------------------|-----------------------|
| 23. | 40S_B_BE_084 | EXTRACTION OF LIPASE FROM BIODIESEL WASTE AND APPLICATION OF LIPASE FOR THE PRODUCTION OF TRIACETIN FROM CRUDE BIO GLYCEROL | CHEMICAL ENGINEERING | DR. RAJESWARI M. KULKARNI & DR. ARCHANA | MS. NAWAL RABIA NIZAR | 9,000.00 |
| 24. | 40S_B_BE_087 | SYNTHESIS OF TRIACETIN VIA CATALYTIC CONVERSION OF CRUDE GLYCEROL AND ITS APPLICATION AS FUEL ADDITIVE | CHEMICAL ENGINEERING | DR. ARCHNA, MRS. SRAVANTHI V. | MS. HEZIL NORONHA | 12,000.00 |

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19) MALNAD COLLEGE OF ENGINEERING, HASSAN

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|------------------------------------|------------------------|-----------------------|
| 25. | 40S_B_BE_008 | EVALUTION OF THE SURFACE ROUGHNESS ON DRILLING OF AISI 304L USING NEEM AND MAHUA AS CUTTING FLUIDS | MECHANICAL ENGINEERING | DR. S.R. JAYARAM & MR. JEEVAN T.P. | MR. AJEY | 8,000.00 |
| 26. | 40S_B_BE_009 | EXPERIMENTAL INVESTIGATION OF BIO-LUBRICANTS ON TOOL WEAR IN TURNING | MECHANICAL ENGINEERING | DR. S.R. JAYARAM & MR. JEEVAN T.P. | MR. KARTHIK RAO B.M. | 6,000.00 |

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20) MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODABIDRI

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|-----------------------|--------------------------|-----------------------|
| 27. | 40S_B_BE_043 | STUDIES ON STABLE DISPERSION OF CARBON NANO TUBE MATERIALS IN BIODIESEL FUEL | MECHANICAL ENGINEERING | DR. C. R. RAJASHEKHAR | MR. JOEL RAKSHITH ALBERT | 9,000.00 |
| 28. | 40S_B_BE_045 | PERFORMANCE AND EMISSION STUDIES OF NANO PARTICLE ADDED BIODIESEL BLENDED FUELS IN CI ENGINE | MECHANICAL ENGINEERING | MR. SANDEEP K. | MR. VAIBHAV SHETTY | 8,000.00 |

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21) MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|----------------------|---------------------|--------------------------|-----------------------|
| 29. | 40S_B_BE_029 | PRODUCTION OF BIODIESEL FROM FISH WASTE AND CHARACTERIZATION OF PRODUCED BIODIESEL | CHEMICAL ENGINEERING | DR. C.R. GIRISH | MR. NIHIR MAHESH GAMBHIR | 10,000.00 |

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22) N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|---------------|--|--------------------------|-----------------------|
| 30. | 40S_B_BE_073 | BIOREACTOR STUDIES ON BIOETHANOL PRODUCTION FROM CRUDE GLYCEROL | BIOTECHNOLOGY | MR. VENKATESH KAMATH H. & DR. C. VAMAN RAO | MR. AKSHAY ACHARYA | 9,500.00 |
| 31. | 40S_B_BE_075 | PROCESS DEVELOPMENT FOR THE PRODUCTION OF 2G BIOETHANOL IN BIOREACTOR USING ACID HYDROLYSIS OPTIMIZATION OF COCONUT LEAFLET AND COFERMENTATION | BIOTECHNOLOGY | MR. VINAYAKA B. SHET & DR. C. VAMAN RAO | MR. VARUN C. | 9,500.00 |
| 32. | 40S_B_BE_076 | BIOETHANOL PRODUCTION BY CO-FERMENTATION OF NON EDIBLE OIL SEED CAKE AND GLYCEROL USING RHIZOBIUM LEGUMINOSARUM AND SACCHAROMYCES CEREVISIAE | BIOTECHNOLOGY | DR. C. VAMAN RAO | MS. CHANDRIKA S. TANTHRY | 10,000.00 |

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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 | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|---------------------|------------------------|-----------------------|
| 33. | 40S_B_BE_001 | EXPERIMENTAL STUDY OF REDUCTION OF No _x EMISSION OF BIODIESEL FUELLED DIESEL ENGINE USING UREA INJECTION | MECHANICAL ENGINEERING | DR. N. KAPILAN | MR. SANDEEP R | 5,000.00 |
| 34. | 40S_B_BE_059 | SUSTAINABLE ENERGY GENERATION BY BIOFUEL CELL FROM SEPTIC TANK | CIVIL ENGINEERING | DR. K. KUMAR | MS. YOGASHREE G. | 7,000.00 |

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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 | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|---|------------------------|-----------------------|
| 35. | 40S_B_BE_027 | SCALE-UP STUDIES OF MICROALGAE CHLOELLA ROTUNDA FOR BIOLIPIDS (BIODIESEL) AS THIRD GENERATION BIOFUEL ALONG WITH VALUE-ADDED PRODUCTS USING WASTE-FREE TECHNOLOGY | BIOTECHNOLOGY | DR. R.S. UPENDRA & DR. PRATIMA KHANDELWAL | MS. SHALINI R. | 9,000.00 |
| 36. | 40S_B_BE_047 | PEERFORMANCE AND EMISSION CHARACTERISTICS STUDY OF TYRE PYROLYSIS OIL DIESEL BLEND ON A SINGLE CYLINDER DIESEL ENGINE | AUTOMOBILE ENGINEERING | PROF. MOHAN KUMAR G.R. | MR. PAWAN A.R. | 8,500.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

25) P.E.S. UNIVERSITY, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|---|-------------------------|-----------------------|
| 37. | 40S_B_BE_080 | SELF SUSTAINABLE BIO ENERGY MODEL SYNTHESIZED FROM KITCHEN WASTE | MECHANICAL ENGINEERING | DR. V. KRISHNAMURTHY, MR. AJAY NAYAR & MS. KAVITHA S.H. | MR. SHASHANK S. IYENGAR | 11,000.00 |

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26) R.R. INSTITUTE OF TECHNOLOGY, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|-----------------------|------------------------|-----------------------|
| 38. | 40S_B_BE_019 | DEVELOPMENT OF UNIVERSAL TUBULAR MICRO ALGAE PHOTO-BIOREACTOR TO MEET HIGH YEILD | MECHANICAL ENGINEERING | MR. PAVAN KUMAR REDDY | MR. SUBRAMANYA UDUPA A | 8,000.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

27) RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|---|------------------------|-----------------------|
| 39. | 40S_B_BE_054 | EXPERIMENTAL INVESTIGATION OF A SINGLE CYLINDER FOUR STROKE DIESEL ENGINE USING VEGETABLES OIL OF DIFFERENT PROPORTIONS WITH DIESEL | MECHANICAL ENGINEERING | PROF. N. SREENIVASALU REDDY & DR. PRUTHVIRAJ R.D. | MR. AKASH S.J. | 8,500.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

28) REVA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|----------------------------|------------------------|-----------------------|
| 40. | 40S_B_BE_040 | STUDY ON THE CORROSION BEHAVIOUR OF MILKSCUM BIODIESEL ON THE PISTON AND CYLINDER MATERIAL OF DIESEL ENGINE | MECHANICAL ENGINEERING | MR. VEERABHADRAPPA TELGANE | MR. ANOOP KUMAR SINGH | 9,000.00 |
| 41. | 40S_B_BE_041 | CHARACTERIZATION OF MILK SCUM BIODIESEL AND A STUDY ON COMBUSTION CHARACTERISTICS OF CI ENGINE FUELLED WITH BLENDS OF MILK SCUM BIODIESEL | MECHANICAL ENGINEERING | MR. VEERABHADRAPPA TELGANE | MR. RAHUL KANAJE | 7,000.00 |
| 42. | 40S_B_BE_066 | EFFECT OF EDDITIVES ON PERFORMANCE AND EMISSION CHARACTERISTICS OF SINGLE CYLINDER ENGINE USING VEGETABLE OIL BLENDED WITH BIODIESEL AS FUEL | MECHANICAL ENGINEERING | DR. SHARANAPPA GODIGANUR | MR. AMITH HIBARE | 9,000.00 |

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29) RURAL ENGINEERING COLLEGE, HULKOTI

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|------------------------------|------------------------|-----------------------|
| 43. | 40S_B_BE_090 | COMPARISON OF PERFORMANCE AND EMISSION TESTS USING BIODIESEL FROM SIMAROUBA AND CUSTARD APPLE SEEDS OIL IN CI ENGINE | MECHANICAL ENGINEERING | PROF. SIDDESH N. BEVINAHALLI | MR. ARVIND KUMAR M. | 7,000.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

30) SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALORE

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|---|------------------------|-----------------------|
| 44. | 40S_B_BE_053 | STUDY OF PERFORMANCE, COMBUSTION AND EMISSION CHARACTERISTICS OF DIRECT INJECTION DIESEL ENGINE FUELLED WITH WASTE ANIMAL FAT METHYL ESTER AND ITS CONVENTIONAL DIESEL OIL AND KEROSENE BLENDS | MECHANICAL ENGINEERING | MR. AJITH B.S. & DR. MANJUNATH PATEL G.C. | MR. SHANTHARAMA | 7,000.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

31) SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|-----------------------|------------------------|-----------------------|
| 45. | 40S_B_BE_049 | PERFORMANCE AND EMISSION ANALYSIS OF THE SINGLE CYLINDER SI ENGINE VARYING ETHANOL BLENDS WITH PETROL | MECHANICAL ENGINEERING | MR. RAGHUTHAMA RAO P. | MR. HARI S.V. | 10,000.00 |
| 46. | 40S_B_BE_064 | REDUCTION OF POLLUTION LEVELS IN THE ATMOSPHERE BY THE USE OF METHANOL BLENDED PETROL FUEL IN AUTOMOBILE IC ENGINE AND THE STUDY OF ITS EFFECTS ON THE PERFORMANCE OF THE ENGINE | MECHANICAL ENGINEERING | MR. P. RAGHUTHAMA RAO | MS. VIDYA S. | 12,000.00 |

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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 | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|---|------------------------|-----------------------|
| 47. | 40S_B_BE_018 | A PERFORMANCE ANALYSIS AND COMPARATIVE STUDY OF CI ENGINE USING STRAIGHT VEGETABLE OILS (SVOs) | MECHANICAL ENGINEERING | DR. SYED ABBAS ALI & MR. ALTAF HUSSAIN BAGWAN | MR. DURGAPPA | 5,000.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

33) SHAIKH COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|---------------------|------------------------|-----------------------|
| 48. | 40S_B_BE_023 | WATER HEATER AND GASIFIER STOVE USING BRIQUETTERS FROM AGRICULTURAL RESIDUE | MECHANICAL ENGINEERING | DR. M.D. RAFINADAF | MR. VENKATESH KHICHADÉ | 9,000.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

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 | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|---------------------|------------------------|-----------------------|
| 49. | 40S_B_BE_031 | DESIGN AND FABRICATION OF SIMAROUBA GLAUCA SEED DEPULPING MACHINE | MECHANICAL ENGINEERING | MR. OMKARESH B.R. | MR. MANIKANTA B. | 10,000.00 |
| 50. | 40S_B_BE_032 | PRODUCTION AND CHARACTERIZATION OF VETERNARY ORGANIC SOAP FROM NON EDIBLE OIL | MECHANICAL ENGINEERING | DR. R. SURESH | MR. CHANDAN B.R. | 10,000.00 |

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35) SRI TARALABALU JAGADGURU INSTITUTE OF TECHNOLOGY, RENEBENNUR

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|----------------|--------------------------------|---|------------------------|----------------------------|-----------------------------------|------------------------------|
| 51. | 40S_B_BE_103 | ACETYLENE USED AS ALTERNATIVE FUEL IN PETROL ENGINE | MECHANICAL ENGINEERING | MR. VINAYAK KOPPAD | MR. RAKESH R. DWARAPALAK | 8,500.00 |

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36) SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|--|------------------------|-----------------------|
| 52. | 40S_B_BE_034 | OPTIMIZATION OF ENGINE PARAMETERS TO MAXIMIZE THE FUEL ECONOMY OF A CI ENGINE FUELLED WITH TAMARIND SEED BIODIESEL | MECHANICAL ENGINEERING | PROF. CHANDRA PRASAD B.S. & PROF. PUNEETH KUMAR M.V. | MR. AKSHAY SHARMA U. | 9,000.00 |
| 53. | 40S_B_BE_035 | OPTIMIZATION OF REACTION PARAMETERS FOR WATERMELON BIODIESEL PRODUCTION USING DOE AND STUDY OF EFFECT OF ADDITION OF NANOPARTICLES ON A DIESEL ENGINE FUELED WITH WATERMELON BIODIESEL BLENDS | MECHANICAL ENGINEERING | PROF. CHANDRA PRASAD B.S. & PROF. SUNIL S. | MR. VIVEK SAURABH | 7,000.00 |
| 54. | 40S_B_BE_036 | STUDIES ON EFFECT OF INJECTION PRESSURE AND INJECTION TIMING ON PERFORMNACE AND EMISSIONS OF A 4S SINGLE CYLINDER DIESEL ENGINE FUELLED WITH SPENT COFFEE POWDER BIODIESEL BLENDS | MECHANICAL ENGINEERING | PROF. CHANDRA PRASAD B.S. & PROF. SUNIL S. | MR. BHARATH D. | 9,000.00 |

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37) ST. JOSEPH ENGINEERING COLLEGE, MANGALORE

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|---------------------|------------------------|-----------------------|
| 55. | 40S_B_BE_058 | EXTRACTION OF OIL FROM WATER BODIES BY THE APPLICATION OF MAGNETORHEOLOGICAL FLUID PRINCIPLE | MECHANICAL ENGINEERING | MR. BINU K.G. | MR. VARUN THOMAS | 9,000.00 |

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38) V.P. DR. P.G. HALAKATTI COLLEGE OF ENGINEERING AND TECHNOLOGY, VIJAYAPUR

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|----------------------------|--|------------------------|-----------------------|
| 56. | 40S_B_BE_050 | IMPLEMENTATION OF HYBRID (BIODIESEL AND SOLAR) GENERATION SYSTEM IN RAILWAYS | ELECTRICAL AND ELECTRONICS | MR. SIDDALINGA NUCHHI & MR. PRADEEP HUNOOR | MS. KAJAL THAKUR | 7,000.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

39) VIDYA SAMAVARDAK MANDAL INSTITUTE OF TECHNOLOGY, NIPANI

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|--------------------------|------------------------|-----------------------|
| 57. | 40S_B_BE_021 | DESIGN AND DEVELOPMENT OF THERMAL PYROLYSIS UNIT FOR THE PRODUCTION OF LIQUID FUEL BY USING HOUSEHOLD PLASTIC WASTE FOR CI ENGINE | MECHANICAL ENGINEERING | PROF. SANTOSH K. HULLOLI | MR. BHARAMGOUD D PATIL | 10,000.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

40) VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|---------------------|------------------------|-----------------------|
| 58. | 40S_B_BE_079 | OPTIMIZATION OF COMPOSITE BIODIESEL FROM HETEROGENEOUS CATALYST AND ITS PERFORMANCE STUDIES ON CI ENGINE | MECHANICAL ENGINEERING | MR. AMRUTH E. | MR. ARCOT M. SHREEPAL | 9,000.00 |

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LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

41) VSM INSTITUTE OF TECHNOLOGY, NIPANI

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|----------------|--------------------------------|-------------------------------|-------------------|----------------------------|-----------------------------------|------------------------------|
| 59. | 40S_B_BE_085 | WASTE PROCESSING TECHNOLOGIES | CIVIL ENGINEERING | PROF. ANUP B. PATIL | MS. DIVYA G. | 4,000.00 |

LIST OF M.Tech., BIOFUEL PROJECTS

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LIST OF M.Tech BIOFUEL PROJECTS SANCTIONED UNDER 40th SERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

1. BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|---|-------------------|---------------------|------------------------|-----------------------|
| 1. | 40S_B_MTECH_004 | AN ASSESSMENT OF IMPACT OF STORAGE TIME ON QUALITY OF BIODIESEL-EMISSION STUDIES ON IC ENGINE RUN USING BIODIESEL STORED FOR DIFFERENT PERIODS OF TIME INCLUDING AIR QUALITY MODELING | CIVIL ENGINEERING | DR. G.P. DESAI | MS. CHAITRA K.M. | 8,500.00 |

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LIST OF M.Tech BIOFUEL PROJECTS SANCTIONED UNDER 40th SERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

2. CENTRE FOR POST GRADUATE STUDIES, MYSURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|---------------------------|------------------------|------------------------|-----------------------|
| 2. | 40S_B_MTECH_007 | PRODUCTION OF BIODIESEL FROM DAIRY WASH WATER SCUM THROUGH HETEROGENEOUS CATALYST AND PERFORMANCE EVALUATION OF TBC DIESEL ENGINE FOR DIFFERENT DIESEL AND METHANOL BLEND RATIOS | THERMAL POWER ENGINEERING | MR. KRISHNAMURTHY K.N. | MR. VENKATESH B.J. | 11,000.00 |

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LIST OFM.Tech BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

3. JSS ACADEMY OF TECHNICAL EDUCATION, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--------------------------------------|------------------------|----------------------------|------------------------|-----------------------|
| 3. | 40S_B_MTECH_002 | NATURAL DRAFT BIOMASS GASIFIER STOVE | MECHANICAL ENGINEERING | DR. GOWREESH SUBRAMANYA S. | MR. KIRAN S | 11,000.00 |

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4. 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 | Sectioned Amount(Rs.) |
|---------|-------------------------|---|------------------------|--|--------------------------|-----------------------|
| 4. | 40S_B_MTECH_001 | MICROWAVE ASSISTED BIODIESEL PRODUCTION FROM PONGAMIA PINNATA OIL | MECHANICAL ENGINEERING | PROF. CHANDRA KUMAR R. | MR. ARUNKUMAR D.C. | 4,000.00 |
| 5. | 40S_B_MTECH_008 | SYNTHESIS AND CHARACTERIZATION OF PHENOL BASED POLYMERIC RESIN, EXTRACTED FROM CASHEW NUT SHELL LIQUID (CNLS) OIL FOR INDUSTRIAL APPLICATIONS | MECHANICAL ENGINEERING | DR. M.S. KRUPASHANKARA 7 DR. SHAMAAN M.P. | MR. BISHAK ROY CHOUDHURY | 9,000.00 |

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5. SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|------------------------|---------------------|----------------------------|-----------------------|
| 6. | 40S_B_MTECH_005 | PRODUCTION OPTIMIZATION OF BUTEA MONOSPERMA BIODIESEL USING GREEN NANO CATALYST AND STUDY ON PERFORMANCE ANALYSIS ON CI ENGINE | MECHANICAL ENGINEERING | MR. ARUN S.B. | MR. CHANNA KESHAVA NAIK N. | 12,000.00 |

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6. UNIVERSITY B.D.T. COLLEGE OF ENGINEERING, DAVANGERE

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|---------------------------|---|------------------------|-----------------------|
| 7. | 40S_B_MTECH_006 | TREATMENT AND TESTING OF BIO DIESEL WASHED WATER | ENVIRONMENTAL ENGINEERING | DR. D.P. NAGARAJAPPA & DR. L.K. SREEPATHI | MR. ANILKUMAR N.S. | 11,500.00 |

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LIST OF MSc BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

1. COLLEGE OF AGRICULTURE (UAS), HASSAN

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|---|---------------------------|---------------------|------------------------|-----------------------|
| 1. | 40S_B_MSC_005 | BIODIESEL AND BIOETHANOL PRODUCTION FROM THE TERRESTRIAL ALGAE AND THEIR BYPRODUCTS | AGRICULTURAL BIOCHEMISTRY | MR. MOHAN CHAVAN | MR. MANOJ B.S. | 11,000.00 |

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2. DAVANGERE UNIVERSITY, DAVANGERE

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|--------------|-----------------------|------------------------|-----------------------|
| 2. | 40S_B_MSC_006 | COMPOSITION OF METHANOTROPHS IN PADDY FIELD AND EFFECT OF PONGAMIA CAKE, A BYPRODUCT OF BIOFUEL PRODUCTION | MICROBIOLOGY | DR. GAYATHRI DEVARAJA | MR. RAVIDATTA VEMPATI | 10,000.00 |

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LIST OF MSc BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

3. DAYANANDA SAGAR INSTITUTE, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|--|--------------|--------------------------------------|------------------------|-----------------------|
| 3. | 40S_B_MSC_002 | CHARACTERIZATION OF ACTINOMYCETES AND ITS ROLE IN BIOFUEL PRODUCTION USING MIMOSA PUDICA | MICROBIOLOGY | DR. ANAND PRAKASH & DR. GAUTHAM S.A. | MR. ANIKETPOKALE | 10,000.00 |

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4. DAYANANDA SAGAR UNIVERSITY, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount(Rs.) |
|---------|-------------------------|---|---------------|---------------------|------------------------|-----------------------|
| 4. | 40S_B_MSC_016 | SCREENING AND ISOLATION OF CELLULOLYTIC AND LIGNOLYTIC BACTERIA FROM GUT OF COMPOSTING EARTHWORM - AN AID IN PRETREATMENT OF BIOMASS FOR BIOFUEL PRODUCTION | BIOTECHNOLOGY | DR. ANU SHARMA | MS. RACHITA KAUR ARORA | 9,000.00 |

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LIST OF MSc BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

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 | Sectioned Amount (Rs.) |
|---------|-------------------------|--|---------------|--|------------------------|------------------------|
| 5. | 40S_B_MSC_009 | A NOVEL APPROACH IN EXPLOITATION OF WASTE AGAR GENERATED IN MICROBIAL AND TISSUE CULTURE LABORATORY TOWARDS PRODUCTION OF BIOETHANOL | LIFE SCIENCES | DR. VENKATANAGARAJU E. & DR. SESHAGIRI MUTTAGI | MS. SHINY BHATTACHARYA | 9,000.00 |
| 6. | 40S_B_MSC_011 | MICROALGAE OIL FOR BIOFUEL PRODUCTION ISOLATION AND CHARACTERIZATION OF MICROALGAE FROM DAIRY INDUSTRY WASTE WATER | LIFE SCIENCES | DR. SATHYAVATHI S. | MR. ALLWYN VYAS G. | 9,000.00 |

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LIST OF MSc BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

6. INDIAN ACADEMY DEGREE COLLEGE AUTONOMUS, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|----------------|---------------------|------------------------|------------------------|
| 7. | 40S_B_MSC_001 | BIOREMOVAL OF HEAVY MATALS COMBIND WITH ENHANCED MICROALGAE GROWTH AND LIPID ACCUMULATION THROUGH METAL NANOPARTICLE STRESS | BIOTECHNOL OGY | DR. SIBI G. | MS. BANUPRIYA S. | 10,500.00 |

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7. INSTITUTE OF BIOINFORMATICS AND APPLIED BIOINFORMATICS, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|--|------------------------------------|----------------------------|------------------------|
| 8. | 40S_B_MSC_018 | IDENTIFICATION AND CHARACTERIZATION OF INDIGENOUS STRAINS OF MICROALGAE WITH IMPROVED LIPID PRODUCTION EFFICACY | BIOINFORMATICS AND APPLIED BIOTECHNOLOGY | DR. TRINADH VENKATA SATISH TAMMANA | MS. HIMANSHIKA LIDIA BISHT | 11,000.00 |

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8. MAHARANI LAKSHMI AMMANI COLLEGE FOR WOMEN (AUTONOMOUS), BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|--|---------------|---------------------|------------------------|------------------------|
| 9. | 40S_B_MSC_003 | GENETIC MODIFICATION OF ASPERGILLUS NIGER BY INDUCED MUTAGENESIS FOR HIGHER PRODUCTION OF LIPASE | BIOTECHNOLOGY | DR. BABITHA B. | MS. SUSHMITHA S. | 9,500.00 |
| 10. | 40S_B_MSC_004 | EVALUATING THE POTENTIAL OF GENERATING ELECTRICITY BY GEOBACTOR SPECIES USING SLUDGE BASED MICROBIAL FUEL CELL | BIOCHEMISTRY | DR. SUNEETHA P. | MS. RAKSHITHA NAGARAJU | 10,000.00 |

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LIST OF MSc BIOFUEL PROJECTS SANCTIONED UNDER 40thSERIES OF STUDENT PROJECT PROGRAMME: 2016-2017

9. MAHARANIS SCIENCE COLLEGE FOR WOMEN, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|--|--------------|---------------------|------------------------|------------------------|
| 11. | 40S_B_MSC_012 | APPLICATION OF DIFFERENT OIL CAKES ON CULTIVATION OF MUSHROOM | MICROBIOLOGY | DR. VISHWANATHA T. | MS. ANJALI M. | 9,500.00 |
| 12. | 40S_B_MSC_013 | PRODUCTION OF BIOETHANOL BY ZYMOMONAS MOBILIS FROM COFFEE PULP WASTE | MICROBIOLOGY | DR. VISHWANATHA T. | MS. CHAITHRA H.K. | 10,000.00 |

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10.SAHYADRI SCIENCE COLLEGE (AUTONOMOUS), SHIVAMOGGA

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|-----------|-------------------------------------|------------------------|------------------------|
| 13. | 40S_B_MSC_008 | SYNTHESIS OF FATTY ACID METHYL ESTER (BIODIESEL) WITH THE USE OF HETEROGENEOUS BASED NANO-CATALYST | CHEMISTRY | DR. VAGDEVI H.M. & MR. CHETHAN S.G. | MS. ANANYA S. | 9,000.00 |

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11. UNIVERSITY OF AGRICULTURAL SCIENCE, GKVK, BENGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|------------------------------------|---------------------|------------------------|------------------------|
| 14. | 40S_B_MSC_014 | STUDIES ON BIOAVAILABILITY OF NUTRIENTS IN DECOMPOSED CRUSHED SEEDS, OIL CAKES AND DEOILED CAKES OF NEEM (AZADIRACHTA INDICA) | FORESTRY AND ENVIRNOMENTAL SCIENCE | DR. K.T. PRASANNA | MR. KIRAN S.C. | 13,500.00 |

LIST OF MBA BIOFUEL PROJECTS

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1. JNANA VIKAS INSTITUTE OF TECHNOLOGY BIDADI, RAMANAGAR

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|--------|----------------------|------------------------|------------------------|
| 1. | 40S_B_MBA_002 | BACKWARD AND FORWARD LINKAGES OF BIO-FUEL PRODUCTION FROM NON-EDIBLE OIL SEEDS IN KARNATAKA | MBA | DR. R SATISH CHANDRA | MR. RAVITHEJ M S | 8,500.00 |

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2. M.S.RAMIAH INSTITUTE OF TECHNOLOGY, BANGALURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|--|--------|---------------------|------------------------|------------------------|
| 2. | 40S_B_MBA_004 | FINANCIAL ANALYSIS OF BIO-DIESEL MANUFACTURING | MBA | DR. SATISH .Y.M | MS. DIVYASHREE R | 9,000.00 |

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3. 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 | Sectioned Amount (Rs.) |
|---------|-------------------------|--|--------|---------------------|------------------------|------------------------|
| 3. | 40S_B_MBA_003 | COST BENEFIT ANALYSIS OF BIO DIGESTER INSTALLED AT SAHYADRI FOOD COURT | MBA | DR. K. VIDYAVATHI | MR. SHAROOK B | 7,000.00 |
| 4. | 40S_B_MBA_005 | FEASIBILITY STUDY OF BIOGAS PRODUCTION FROM ANIMAL WASTES IN DAKSHINA KANNADA DISTRICT | MBA | DR. K. VIDYAVATHI | MS. PUSHPANJALI | 7,000.00 |

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4. SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

| Sl. No. | Proj. proposal Ref. No. | TITLE OF THE PROJECT | BRANCH | NAME OF THE GUIDE/S | STUDENT1 & TEAM LEADER | Sectioned Amount (Rs.) |
|---------|-------------------------|---|--------|---------------------|------------------------|------------------------|
| 5. | 40S_B_MBA_001 | SEED COLLECTION MECHANISM HANDLING OF INBOUND SUPPLY CHAIN OF THE TUMKUR DISTRICT | MBA | DR. S PANNEERSELVAM | RAVI KIRAN B V | 9,000.00 |