

### **3.1.3 Percentage of Faculties awarded National/ International Fellowship for Advanced Studies/Research during the last five years**

#### **CanSat/ Rocketry International Competition- SERBIA (2019-2020)**



#### ***1<sup>st</sup> Place Winners Award***



#### ***Presented to***

*Mr. Nikhil Riyaz,  
Ms. Athira. A. K,  
Dr. Nisha. K.C.R*

*For the Innovative Design and Fabrication of CanSat*

#### ***Mentors***

*Ms. Bhavana Savanth  
Dr. K. Gopalakrishnan, Dean (R&D), NHCE*

**The 2019  
CanSat/Rocketry International Competition  
[ CRF-2019 ]**

held at Serbia during 03-06 October 2019



# World CanSat/Rocketry Championship-Phase-0-International Webinar Certificate of Award (2019-2020)



## CERTIFICATE OF AWARD

In Recognition of International Webinar Participation  
World CanSat/Rocketry Championship Phase - 0  
held during 22-26 June, 2020



WCRC/WB/CA0640  
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PROUDLY PRESENTED TO

**DR.K.C.R.NISHA**

New Horizon College of Engineering

Karnataka,India

  
Dušan Radosević  
SERBIA

  
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New Horizon College of Engineering

Karnataka, India

*Dusan Radosavljevic*

Dusan Radosavljevic  
SERBIA

*Dr. L.V. Muralikrishna Reddy*

Dr. L.V. Muralikrishna Reddy  
BRICS FEO

*Dr. K. Gopatakrishnan*

Dr. K. Gopatakrishnan  
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*Dr. K. Gopalakrishnan*  
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Nikhil Roy  
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PROUDLY PRESENTED TO

**DR.M.DHIVYA**

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Dusan Radosevic  
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*Dr. K. Gopalakrishnan*

Dr. K. Gopalakrishnan  
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PROUDLY PRESENTED TO

**Prof. Uma. N**

CSE, New Horizon College of Engineering

Bangalore, INDIA

  
Dušan Radosavljević  
SERBIA

  
Dr. L.V. Muralikrishna Reddy  
BRICS FEO

  
Dr. K. Gopalakrishnan  
INDIA

  
Nikhil Riyaz  
UNISEC-INDIA

  
Sanketh S Huddar  
GEEKSPACE INC

  
Denzel Abraham George  
TSC



INDIAN  
SPACE  
RESEARCH  
ORGANISATION



KPCN/CSPD  
КОМПЕТЕНТНО-СОПРОВОДНОЕ  
ПОСОЛСТВО

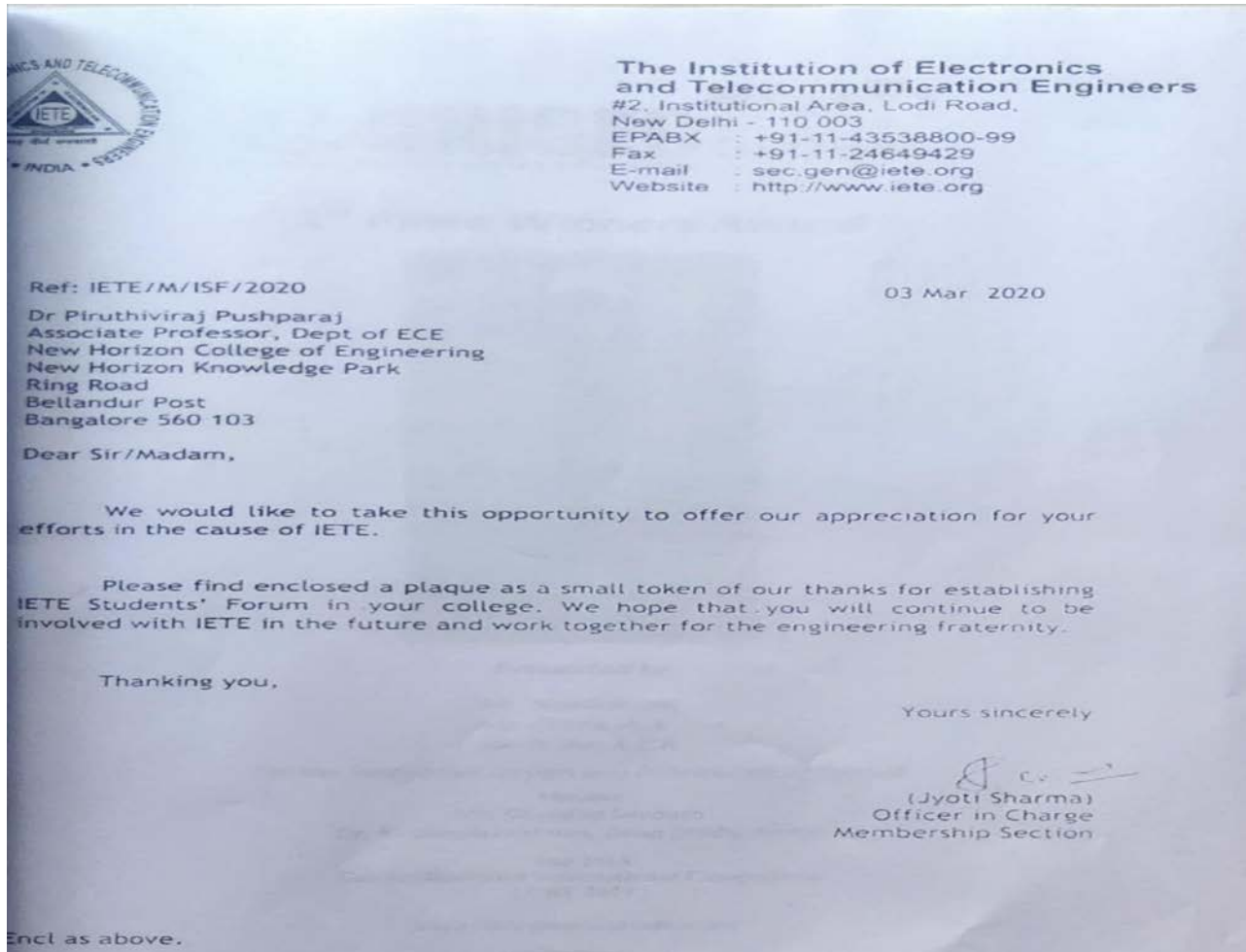


**International Conference on Data science and Computational Security, Christ University Pune, India (2019-2020)**





## **Establishment of IETE Students Forum in NHCE, The Institution of Electronics and Telecommunication Engineers (IETE), New Delhi.**



## Computer Society of India - Best Accredited Student Branch Award



## IEEE Bangalore Section- Fastest Membership-Get Member Award





**World Research Council and United Medical Council -  
International best researcher in Electrical and Electronics  
Engineering**



## Computer Society of India - Largest Student Branch Award



## Best Research Project- KSCST- (2019-2020)

10) INFORMATION SCIENCE AND ENGINEERING		
SI. No.	PROJECT REFERENCE NO.	PROJECT
51.	43S_BE_1455	<b>INTELLIGENT HEXAPOD SYNCHRONIZED WASTE COLLECTION SYSTEM</b> COLLEGE: BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE GUIDE: Mr. CHANDAN V CO-GUIDE: Mr. SHEIK IMRAN STUDENTS: Mr. GAGAN R SHETTY Mr. AMITH P VERNEKAR Ms. DIVYA D PALANKAR Mr. NIKHIL H V
52.	43S_BE_2990	<b>IDENTIFICATION OF GENDER OF SILKWORM USING IMAGE PROCESSING</b> COLLEGE: DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT, BENGALURU GUIDE: Dr. M KUSUMA STUDENTS: Mr. A H RAVI KIRAN Mr. KIRAN KG Mr. M SHASHANK REDDY Ms. MALLELA YASHWANTH SAI
53.	43S_BE_2710	<b>ಬೈರಿ ಕೈಗಾರಿಕಾ ಯಂತ್ರ - BLUETOOTH EMBEDDED ROBOTIC WITH AGRICULTURE PLOWING,SEEDING AND GRASS CUTTING POWERED BY SOLAR ENERGY</b> COLLEGE: NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU GUIDE: Mrs. A.RAFEGA BEHAM CO-GUIDE: Dr. R.J.ANANDHI STUDENTS: Ms. MANISHA SAMAL Ms. SAKTHI SRIDEVI Ms. ASHA K



# KSCST, Karnataka Projects – AY 2019-2020

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY									
Indian Institute of Science campus, Bengaluru – 560 012									
Website: <a href="http://www.kscst.iisc.ernet.in/spp.html">http://www.kscst.iisc.ernet.in/spp.html</a>    Email: <a href="mailto:spp@kscst.iisc.ernet.in">spp@kscst.iisc.ernet.in</a>    Phone: 080-23600978									
43 <sup>rd</sup> Series of Student Project Programme: 2019-20									
LIST OF STUDENT PROJECT PROPOSALS APPROVED FOR SPONSORSHIP									
73) NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU									
449	43S_BE_0003	THEFT IDENTIFICATION & ALERT THROUGH MOTION DETECTION AND FACIAL RECOGNITION USING IOT	COMPUTER SCIENCE AND ENGINEERING	B.E.	STREAM A	Prof. GAGAN S PURAD	Mr. NASIR HASAN QILAWAR Mr. KRISHNA VINETH P Mr. NTHINDRA D	5000.00	
450	43S_BE_0030	DESIGN AND DEVELOPMENT OF VARIABLE FREQUENCY ULTRASONIC PEST REPELLER	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	STREAM A	Dr. SUJITHA S	Mr. PIYUSH KUMAR Mr. PREETHI SINHA Ms. LISHA REDDY	3000.00	
451	43S_BE_0046	ARTIFICIAL INTELLIGENCE ENABLED COOLANT MONITORING SYSTEM	MECHANICAL ENGINEERING	B.E.	STREAM A	Dr. NAGENDRA S	Mr. SHIVAPRASAD S Mr. SAMMED PATIL Mr. SHREEKRISHNA Mr. SRIVATHSA S	5500.00	
452	43S_BE_0053	FABRICATION OF NANO FILTERED BASED EXHAUST SYSTEM TO REDUCE EMISSION IN TWO WHEELERS	MECHANICAL ENGINEERING	B.E.	STREAM A	Dr. MANJUNATHA G	Mr. TEJAS NANDAN Mr. KAMALESH MAHATO Mr. RAJESH KULLUR Mr. RAM BIKASH MANDAL	6000.00	
453	43S_BE_0065	DESIGN AND FABRICATION OF SOLAR POWERED LOW ALTITUDE SHORT ENDURANCE DRONE	MECHANICAL ENGINEERING	B.E.	STREAM A	Dr. M S GANESHA PRASAD	Mr. P. SAI SR. RAJ Mr. RAGHAV V RAO Mr. MAHITESH GOWD Mr. APPU R KRISHNAN	6000.00	
454	43S_BE_2692	SSWTS-7 A COST EFFECTIVE GREEN APPROACH FOR WASTEWATER TREATMENT	BIOTECHNOLOGY	B.E.	STREAM A	Dr. HANANDA VADHAN Dr. ANSA B M	Ms. SHILADITYA BANERJEE Ms. SINCHAN HAIT	6500.00	
455	43S_BE_2699	ಚಾಟ್ ಬೋಟ್: CHATBOT FOR MONITORING MENTAL HEALTH	INFORMATION SCIENCE AND ENGINEERING	B.E.	STREAM A	Dr. R J ANANDHI Dr. SARAVANAN	Mr. MANOJ Mr. PRATHYAKSHA SHARMA Ms. SACHU K S	4500.00	
456	43S_BE_2702	SMART GLASSES FOR VISUALLY CHALLENGED PEOPLE	INFORMATION SCIENCE AND ENGINEERING	B.E.	STREAM A	Dr. P. MANGAYARKARASI	Mr. SUNIL K A Mr. PRAMOD SENCHA N Mr. MUHAMMAD SHAHBAZ KHAN	4500.00	
457	43S_BE_2710	ಕೃಷಿ ಕೈಗಾರಿಕಾ ಯಂತ್ರ - "BLUETOOTH EMBEDDED ROBOTIC WITH AGRICULTURE PLOWING, SEEDING AND GRASS CUTTING POWERED BY SOLAR ENERGY	INFORMATION SCIENCE AND ENGINEERING	B.E.	STREAM A	Mrs. A RAFEGA BEHAM Dr. R J ANANDHI	Ms. MANISHA SAMAL Ms. SAKTHI SRIDEVI Ms. ASHA K	4500.00	

KSCST - 43<sup>rd</sup> Series of Student Project Programme : Sanctioned Projects

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Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE(S)	NAME OF THE STUDENTS	SANCTIONED AMOUNT (In Rs.)	STATUS OF PROJECT	BALANCE AMOUNT RELEASED AFTER EVALUATION
569	43S_BE_2710	ಕೃಷಿ ಕೈಗಾರಿಕಾ ಯಂತ್ರ - "BLUETOOTH EMBEDDED ROBOTIC WITH AGRICULTURE PLOWING, SEEDING AND GRASS CUTTING POWERED BY SOLAR ENERGY	INFORMATION SCIENCE AND ENGINEERING	B.E.	Mrs. A RAFEGA BEHAM Dr. R J ANANDHI	Ms. MANISHA SAMAL Ms. SAKTHI SRIDEVI Ms. ASHA K	4500.00	COMPLETE	2250.00
570	43S_BE_2713	ವಾಕ್ಯವಾಯುರ್ಗಿ ದೈವ: "VOICE FOR PARALYTIC VICTIMS	INFORMATION SCIENCE AND ENGINEERING	B.E.	Dr. R J ANANDHI Mrs. DIVYA K V	Mr. VISHAK J U Mr. AMITHESH K N Ms. LAKSHMI K S	4500.00	COMPLETE	2250.00
571	43S_BE_3960	ADVANCED IoT SOLUTIONS TO MONITOR UNDERPASS WATER LOGGING	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Dr. M. JAYANTHI	Mr. SHRIPAD AITHAL Ms. SINDHU C R Mr. RUSHAB S G Mr. AKSHAY RAO	4000.00	COMPLETE	2000.00
572	43S_BE_3966	BATTERY TEST RIG AND BATTERY MANAGEMENT SYSTEM FOR RECYCLING LI-ION CELLS FOR AUTOMOBILE BATTERY PACK	AUTOMOBILE ENGINEERING	B.E.	Prof. JAYASHEEL KUMAR K A.	Mr. HARISH J Mr. ARBAAZ ZAHID H Mr. PRASHANTH REDDY M Mr. ABHISHEK CHOWDARY	5000.00	COMPLETE	2500.00

## NEFT TRANSACTION DETAILS OF SPONSORED PROJECTS UNDER 43<sup>RD</sup> SERIES OF STUDENT PROJECT PROGRAMME

Sl. No.	Name of the College	Total No. of Projects Sanctioned	Total Project Grant Sanctioned (Rs.)	BATCH 1 (Amount released before evaluation)				BATCH 2 (Amount released after evaluation)			
				Project Grant Released (Rs.)	Total No. of Projects Sanctioned	Transaction ID	Transaction Date	Project Grant Released (Rs.)	Total No. of Projects Sanctioned	Transaction ID	Transaction Date
100	NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU	12	59,000	29,500	12	P20060399563665	03-06-2020	20,750	9	P20091852178608	18-09-2020

## Global Jury Award – UNISEC (2018-2019)



## KSCST, Karnataka Projects – AY 2018-2019

13.	42S_BE_1654	PLASTIC WASTE MANAGEMENT USING MICRO ALGAL INTEGRATED PYROLYTIC BIOREACTOR	BIOTECHNOLOGY	BE	Dr. ASHA B M	Ms. ANKITHA JOHNAS	6000.00
14.	42S_BE_1655	EXPERIMENTAL STUDY ON FUEL FILTER COATED WITH NANOPARTICLES	AUTOMOBILE ENGINEERING	BE	Prof. SMITHA B S	Mr. PRABHAKAR S	6000.00
15.	42S_BE_1860	UNDERWATER IMAGE ACQUISITION USING REMOTELY OPERATED UNDERWATER VEHICLE AND CLOUD BASED REMOTE ACCESS	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Dr. SANJEEV SHARMA	Mr. MOHAMMED SHABAZ	8000.00
16.	42S_BE_3098	DEVELOPMENT OF UNDERWATER REMOTELY OPERATED VEHICLE FOR DROWNED HUMAN BODY DETECTION	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Mr. NAVEEN H	Mr. PRASANNA KUMAR D	7000.00

**Note:**

1. The sanctioned amount will be sent by KSCST to the College by crossed Cheque in the name of the Principal.
2. The evaluation of above projects will be conducted in the Nodal Centre in the month of May / June 2019. During nodal centre evaluation projects will be selected for state level Seminar & Exhibition which will be conducted in the month of July / August 2019.
3. After completion of the projects, the hard copy of the report and soft in .pdf format needs to be sent to KSCST without fail.



# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru - 560 012  
Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

## 42<sup>nd</sup> Series of Student Project Programme: 2018-19

### List of Projects Sanctioned Under Stream C

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

7.7. NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU								
Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)	
1.	42S_BE_1084	TO DESIGN AND FABRICATE A MACHINE TO CLEAN THE SLOPE SURFACES IN STEP FARMING WITH PROPER FINISH.	MECHANICAL ENGINEERING	2	BE	Prof. KAMALASHISH DEB	Mr. HIMALAYA BHATTA	7000.00
2.	42S_BE_1089	DESIGN AND FABRICATION OF SOLAR POWERED FLOATING WASTE COLLECTOR	MECHANICAL ENGINEERING	3	BE	Prof. VINAY D R	Mr. BISHAK NATH	7000.00
3.	42S_BE_1097	INSULIN STORAGE FREEZER USING THERMOELECTRIC DEVICES AND WATER COOLING	MECHANICAL ENGINEERING	4	BE	Prof. RONALD REAGON	Mr. AVINASH VISHWAKARMA	6000.00
4.	42S_BE_1098	EFFECT OF HEAT TREATMENT ON MECHANICAL PROPERTIES OF Cu <sub>30</sub> Ni <sub>5</sub> Zn (COPPER, NICKEL (30%) AND ZINC (5%) ALLOYS	MECHANICAL ENGINEERING	5	BE	Mr. KARTHIK S N	Mr. DILIP KUMAR T	6000.00
5.	42S_BE_1099	DESIGN AND FABRICATION OF MULTIPURPOSE MACHINE FOR AGRICULTURAL PURPOSE.	MECHANICAL ENGINEERING	6	BE	Prof. PAVAN P KADOLE	Mr. SURE SRINIVASULU	6500.00
6.	42S_BE_1100	DESIGN AND FABRICATION OF AUTOMATIC VACUUM OPERATED CHALK DUST COLLECTOR.	MECHANICAL ENGINEERING	7	BE	Mr. HANAMATH Y	Mr. KEERTHISAGAR S REDDY	6000.00
7.	42S_BE_1104	FABRICATION OF 3 AXIS PNEUMATIC TRAILER LIFT	MECHANICAL ENGINEERING	8	BE	Prof. RAGHU TILAK REDDY M.	Mr. MOHAMMED RIYAZ	6000.00
8.	42S_BE_1105	DESIGN AND FABRICATION OF SEPRATION OF WASTE GARBAGE USING SMART CRUSHER.	MECHANICAL ENGINEERING	9	BE	Prof. CHETAN KUMAR D. S.	Mr. NAVNATH	5000.00
9.	42S_BE_1106	HYBRID SOLAR WINDMILL.	MECHANICAL ENGINEERING	10	BE	Mr. MANJESH	Mr. JOHN PAUL RAJ S	6000.00
10.	42S_BE_1107	FABRICATION OF AUTOMATIC SEWAGE CLEANING MACHINE	MECHANICAL ENGINEERING	11	BE	Prof. L. VEERESHA G.	Mr. TEJAS M.	7000.00
11.	42S_BE_1643	DESIGN, ANALYSIS AND RAPID PROTOTYPING OF INSTRUMENTATION PROBE FOR AERO ENGINE APPLICATION	MECHANICAL ENGINEERING	12	BE	Mr. PUNEETH H V	Mr. ROHITH CHANDRASEKAR	5500.00
12.	42S_BE_1644	DESIGN AND UTILIZATION OF SOLAR INDUCED CONVECTIVE FLOW FOR POWER GENERATION USING SOLAR UPDRAFT TOWER	MECHANICAL ENGINEERING	13	BE	Prof. GOPANNA K D	Mr. ABHAY A PAI	6000.00

KSCST : 42<sup>nd</sup> Series of Student Project Programme : Stream C : List of Projects Sanctioned : 2018 - 2019

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# KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

## 42<sup>nd</sup> Series of Student Project Programme: 2018-19

### List of Projects Sanctioned Under Stream A - Further Development

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

17. NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU							
Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_1071	GUNDIGALA PATTE HACCHUVIKE* - ANDROID BASED APPLICATION TO DETECT POTHOLES AND UNEVEN ROADS IN THE BENGALURU	INFORMATION SCIENCE AND ENGINEERING	BE	Dr. R J ANANDHI	Mr. ROSHAN KUMAR GUPTA	8000.00
2.	42S_BE_1101	DESIGN AND FABRICATION OF HUMAN EXOSKELETON TO ACHIEVE EASE DURING MOVEMENT	MECHANICAL ENGINEERING	BE	Mr. VINOD KUMAR G S	Mr. VIJAY SURYA V	8000.00

KSCST : 42<sup>nd</sup> Series of Student Project Programme : Stream A : List of Projects Sanctioned : 2018 - 2019

Page 17 of 24

**29) NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU**

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	NAME OF THE GUIDE	NAME OF THE CO-GUIDE	NAME OF THE TEAM LEADER
39.	42S_B_BE_013	DESIGN AND FABRICATION OF BIOREACTOR WITH CO-IMMOBILIZED MICROALGAE & BACTERIA FOR CONVERSION OF BIODIESEL INDUSTRY DERIVED GLYCEROL INTO POLYHYDROXYALKONATES (PHA)	BIOTECHNOLOGY	Ms JINSHA JINADDEVAN	Dr. ANANDA VARDHAN H	Ms TEJASWINI A
40.	42S_B_BE_010	DESIGN AND DEVELOPMENT ON CONVERSION OF LDPE (LOW-DENSITY POLYETHYLENE) PLASTIC WASTE INTO LIQUID FUEL BY SEQUENTIAL PYROLYSIS TECHNIQUE	MECHANICAL ENGINEERING	Dr. M S GANESHA PRASAD	Prof. RAKESH C	Mr. S AKILESH

**30) P.D.A. COLLEGE OF ENGINEERING, KALABURAGI**

41.	42S_B_BE_083	PYROLYTIC OIL PRODUCTION CHARACTERIZATION AND PERFORMANCE ANALYSIS OF ENGINE USING PYROLYTIC OIL	AUTOMOBILE ENGINEERING	Dr. SR HOTTI	-	Mr. JADHAV AJINKYA SUNIL
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**31) P.E.S. INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA**

42.	42S_B_BE_019	BIO -CNG PRODUCTION , BOTTLING AND UTILIZATION FOR CI ENGINE	MECHANICAL ENGINEERING	Dr. BASAVARAJAPPA Y H	-	Mr. SWAROOP N
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**32) PRESIDENCY UNIVERSITY, BENGALURU**

43.	42S_B_BE_052	FABRICATION OF LOW COST BIOREACTOR AND APPLICATION OF GREEN CHEMISTRY FOR PRODUCTION OF SECOND GENERATION BIOFUELS USING BIOMASS	PETROLEUM ENGINEERING	Dr. CHAITANYA LAKSHMI. G	Dr. SHASHIKALA A R	Mr. MUHAMMED. S
44.	42S_B_BE_074	DESIGN AND DEVELOPMENT OF FIXED DOME BIOGAS DIGESTER FOR THE TREATMENT OF AGRICULTURAL WASTES	PETROLEUM ENGINEERING	Dr. CHAITANYA LAKSHMI. G	Dr. SHASHIKALA. A. R	Mr. AL. AMEEN. S

**33) PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSAPETE**

45.	42S_B_BE_035	EXPERIMENTAL GASIFICATION STUDY OF PROSOPIS JULIFLORA AS A BIOMASS USING GASIFIER.	MECHANICAL ENGINEERING	Mr. JAYAPRAKASH.K. G	Mr. NAVEEN R	Mr. SRIDHAR DIGGAVI
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**34) R.V. COLLEGE OF ENGINEERING, BENGALURU**

46.	42S_B_BE_064	PRODUCTION OF BACTERIAL CELLULOSE FROM SEWAGE AND ITS USE IN POWER GENERATION THROUGH ENZYMATIC FUEL CELL FORMULATION	BIOTECHNOLOGY	Dr. LINGAYYA HIREMATH	Dr. SATYANARAYA NA S	Ms. ANUSHA
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**35) REVA UNIVERSITY, BENGALURU**

47.	42S_B_BE_022	DEVELOPMENT AND TRIBOLOGICAL TESTING OF ENVIRONMENT FRIENDLY BIO-LUBRICANTS FROM VEGETABLE OILS	MECHANICAL ENGINEERING	Dr. NIRANJAN HIREMATH	-	Mr. K S TARUN
48.	42S_B_BE_029	PERFORMANCE AND COMBUSTION OF BIOFUEL USING GRAPHENE AS NANO ADDITIVE	MECHANICAL ENGINEERING	Prof. VINOD KUMAR	-	Mr. SAYEED AHMED

**36) RURAL ENGINEERING COLLEGE, HULKOTI**

49.	42S_B_BE_128	COMPARISON OF PERFORMANCE AND EMISSION TESTS USING BIO DIESEL FROM SIMAROUBA AND HONGE OILS IN CI ENGINE	MECHANICAL ENGINEERING	Prof. SIDDESH N BEVINAHALLI	-	Mr. PAVAN D RAYKAR
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**37) S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD**

50.	42S_B_BE_049	ADVANCE MORPHOLOGICAL ANALYSIS AND BIODIESEL FROM MICROALGAE	CHEMICAL ENGINEERING	Prof. S.S. INAMDAR	-	Mr. ABHISHEK PATEL
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**38) S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAVI**

51.	42S_B_BE_130	EXPERIMENTAL INVESTIGATION OF MIXED PONGAMIA COCONUT EXTRACT AS BIODIESEL ON CI ENGINE	MECHANICAL ENGINEERING	Prof. PRASAD KALLOLOMATH	-	Mr. SHIVANAND HIREMATH
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KSCST: SPP – 42<sup>nd</sup> Series: Biofuel Projects Compendium: 2018-19

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## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012  
Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

### LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42<sup>nd</sup>SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

#### Sanctioned Under Stream A - Further Development

**3. NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU**

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_R_BE_010	DESIGN AND DEVELOPMENT ON CONVERSION OF LDPE (LOW-DENSITY POLYETHYLENE) PLASTIC WASTE INTO LIQUID FUEL BY SEQUENTIAL PYROLYSIS TECHNIQUE	MECHANICAL ENGINEERING	BE	Dr. M S GANESHA PRASAD	Mr. S AKILESH	10500.00

## AMZ Automotive - Best build Quality Overall 3rd rank Award (2017-2018)

c). Best build Quality Overall 3d rank Award - AMZ Automotive



2. List of teachers who have received the awards along with nature of award, awarding agency

Name of the teacher awarded national/ international fellowship/financial support	Nature of award	Name of the award/fellowship	Year of Award	Awarding Agency
Mr.Girish Tilak & Mr.Karthik A.V	Student Project	Best Project Award	2017-18	KSCST
Mr.K.A.Jayasheel Kumar	Design and Development Competition	Best build Quality Award	2017-18	AMZ Automotive
Mr.K.A.Jayasheel Kumar	Design and Development Competition	Best build Quality Overall 3d rank Award	2017-18	AMZ Automotive

## IPD WEEK, Cisco, Bengaluru (2017-2018)





## MTC Global – Outstanding Management Teacher (2017-2018)



## KSCST, Karnataka Projects – AY 2017-2018

### KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: [spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in) || Phone: 080-23600978

### LIST OF PROJECTS SANCTIONED UNDER THE 41<sup>ST</sup> SERIES OF STUDENT PROJECT PROGRAMME: 2017-18

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

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	SANCTIONED AMOUNT (in Rs.)
312.	41S_BE_0052	AGUMENTING THE LIFE OF POLYMER MATERIAL USED IN 3D PRINTERS BY USING REINFORCED POLYMER MATERIAL IN FDM TECHNOLOGY	MECHANICAL ENGINEERING	BE	Dr. M.S. GANESHA PRASAD	Mr. SAMRAT BANERJEE	6000.00
313.	41S_BE_0056	SMART CONVEYANCE FOR PHYSICALLY CHALLENGED PEOPLE	MECHANICAL ENGINEERING	BE	Prof. NAGENDRA JAYARAM	Mr. SUDHARSHAN T S	6000.00
314.	41S_BE_0062	DESIGN AND FABRICATION OF AN ARTIFICIAL LEG MECHANISM FOR ABOVE KNEE AMPUTEES	MECHANICAL ENGINEERING	BE	Prof. BOPANNA K D	Mr. GANESH KUMAR C	7000.00
315.	41S_BE_0066	DESIGN AND FABRICATION OF PORTABLE SOLAR OPERATED WATER PURIFICATION UNIT	MECHANICAL ENGINEERING	BE	Mr. SUJEETH SWAMI	Mr. H. HITESH	7000.00
316.	41S_BE_0075	DESIGN AND FABRICATION OF A TADPOLE MODEL SOLAR POWERED TRICYCLE	MECHANICAL ENGINEERING	BE	Prof. VINAYAK B	Mr. DIJIN MATHEW	7000.00
317.	41S_BE_0078	DESIGN AND DEVELOPMENT OF HUMAN ARM EXOSKELETON	MECHANICAL ENGINEERING	BE	Prof. VINOD KUMAR G S	Mr. RAMAN SHARMA	6000.00
318.	41S_BE_0670	USE OF BIO-LUBRICANTS IN ATV	AUTOMOBILE ENGINEERING	BE	Mr. K.A.JAYASHEEL KUMAR	Mr. SURESH G S	5000.00
319.	41S_BE_0674	REPLACEABLE DIESEL PARTICULATE FILTER	AUTOMOBILE ENGINEERING	BE	Mr. GIRISH TILAK	Mr. SRIRAM IYER	7000.00



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

Sl. No.	Proj. Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER
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 CUMBUTION PROCESS	MECHANICAL ENGINEERING	Dr. VIGNESH NAYAK	Mr. MOHAMMED SAFWAN

#### 22) MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL

28.	41S_B_BE_099	OPTIMIZATION OF BIOGAS PRODUCTION IN SEMI BATCH REACTORS	CHEMICAL ENGINEERING	Dr. GAUTHAM JEPPI	Mr. JAYALAL J.
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#### 23) NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU

29.	41S_B_BE_042	PILOT PLANT STUDY FOR SUSTAINABLE ENERGY GENERATION IN SEPTIC TANK USING BIO-FUEL CELL	CIVIL ENGINEERING	Dr. K.KUMAR	Mr. MAYANA ISMAIL KHAN
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#### 24) NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU

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
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
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
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
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
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

#### 25) NMAM INSTITUTE OF TECHNOLOGY, NITTE

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
37.	41S_B_BE_103	GLYCEROL AS A FEED STOCK FOR MICROBIAL LIPID PRODUCTION	BIOTECHNOLOGY	Ms. HARSHITHA M JATHANNA	Ms. ELSA JOSSY J

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

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

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 HIEMATH	Ms. AISHWARYA BHAT
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#### 28) RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

40.	41S_B_BE_027	CHEMICAL AND ENZYMATIC CONVERSION OF BIOGLYCEROL TO ACETINS	CHEMICAL ENGINEERING	Dr. RAJESWARI M KULKARNI	Mr. SYED SAQLINE
41.	41S_B_BE_028	CATALYTIC CONVERSION OF GLYCEROL TO OXYGENATED FUEL ADDITIVE (SOLKETAL) USING HETEROPOLYACID	CHEMICAL ENGINEERING	Dr. ARCHNA	Mr. SUDARSHAN C S



# KSCST, Karnataka Projects – AY 2016-2017

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY						
Indian Institute of Science Campus, Bengaluru 560012						
LIST OF BE BIOFUEL PROJECTS SANCTIONED UNDER 40 <sup>th</sup> SERIES OF STUDENT PROJECT PROGRAMME: 2016-2017						
36) 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.)
52.	40S_B_BE_027	SCALE-UP STUDIES OF MICROALGAE CHLOELLA ROTUNDA FOR BIOLIPIDS (BIO DIESEL) 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
53.	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

KSCST : 40th Series of Student Project Programme (Biofuel/Bioenergy) : List of Projects sanctioned : 2016-2017

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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY						
Indian Institute of Science Campus, Bengaluru - 560012						
LIST OF PROJECTS SANCTIONED UNDER 40 <sup>th</sup> SERIES OF STUDENT PROJECT PROGRAMME: 2016 - 2017						
80) NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU						
Sl. NO.	PROJECT PROPOSAL REF. NO.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	SANCTIONED AMOUNT (RS.)
324)	40S_BE_1290	REGENERATIVE STEERING OPERATED DIRECTIONAL HEADLIGHTS	AUTOMOBILE ENGINEERING	MRS. NISHA KRISHNAN	MR. ZAKIRALI M	7,000.00
325)	40S_BE_1292	AQUA SILENCER IN IC ENGINES, TO REDUCE EMISSIONS AND NOISE	AUTOMOBILE ENGINEERING	PROF. SUNIL PRASHANTH KUMAR S	MR. SANDEEP E	5,000.00
326)	40S_BE_0543	DESIGN & FABRICATION OF COST EFFECTIVE EQUIPMENT USING BIOFILTERS FOR THE REMOVAL OF FLUE GAS OR AUTO-EXHAUST GAS UTILIZING SOLAR ENERGY	BIOTECHNOLOGY ENGINEERING	PROF. GIRISH N. DESAI	MS. PAVITHRA V.G.	6,500.00
327)	40S_BE_0633	UCAP POWERED INSULIN PUMP	ELECTRONICS AND COMMUNICATION ENGINEERING	PROF. NISHA K.C.R., PROF. DHARMAMBAL V & PROF. ANITHA A.	MS. APARNA REVI	6,500.00
328)	40S_BE_0025	DESIGN AND OPTIMIZATION OF WATER TANKER FOR REDUCING THE SPILLAGE UNDER DYNAMIC CONDITIONS	MECHANICAL ENGINEERING	DR. M S GANESHA PRASAD, PROF. TRUPTI P WANI	MR. GOWTHAM N A	5,000.00
329)	40S_BE_0036	PORTABLE WATER TURBINE	MECHANICAL ENGINEERING	PROF. KADOLE PAVAN PRABHAKAR	MR. RAKHESH H S	5,000.00
330)	40S_BE_0037	CARBON - DI - OXIDE POWERED SOLAR DESALINATION UNIT	MECHANICAL ENGINEERING	PROF. SUEETH SWAM	MR. NITHIN BERCHMAN'S	5,000.00
331)	40S_BE_1293	IMPROVISATION OF SOLAR PORTABLE ALL TERRAIN WHEEL CHAIR WITH CRANK AND SHAFT MECHANISM	MECHANICAL ENGINEERING	PROF. RONALD REAGON R	MR. A RAMESH	6,000.00
332)	40S_BE_1295	HARDNESS AND WEAR ANALYSIS OF DLC COATED AL-ALLOY PLATES WITH AND WITHOUT HEAT TREATMENT	MECHANICAL ENGINEERING	PROF. SRINATH M K, DR. M S GANESHA PRASAD	MR. ASWIN A KURUP	4,000.00
333)	40S_BE_1297	ENHANCING THE LIFE OF PORTABLE BATTERY USING FIN STRUCTURE	MECHANICAL ENGINEERING	MR. SOPANNA K D	MR. K BHANUPRAKASH SAIRAM	4,000.00

KSCST : 40th Series of Student Project Programme : List of Projects sanctioned : 2016 - 2017

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# KSCST, Karnataka Projects – AY 2015-2016

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

### LIST OF B.E. PROJECTS SANCTIONED UNDER 39th SERIES OF STUDENT PROJECT PROGRAMME : 2015-2016

#### 71) NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU

Sl No.	Project proposal Ref. No.	TITLE OF THE PROJECT	BRANCH	NAME OF THE GUIDE/S	STUDENT1 & TEAM LEADER	SANCTIONED AMOUNT (Rs.)
295.	39S_BE_0028	STUDIES ON METAL POWDER COATING ON 3-D PRINTED COMPONENTS	MECHANICAL ENGINEERING	MR. SRINATH M.K	MR. VINEET YADAV	4,000.00
296.	39S_BE_0029	MULTI-PURPOSE COMPACT SOLAR FRUIT DRYER	MECHANICAL ENGINEERING	DR. M S GANESHA PRASAD & MR. RONALD REAGON R	MR. GOWTHAM R	4,000.00
297.	39S_BE_0032	DEVELOPMENT OF HYDROCYCLONE FOR FILTRATION OF METAL WORKING FLUIDS	MECHANICAL ENGINEERING	DR. M S GANESHA PRASAD & PROF. PUNEETH H V	MR. GIRISH H S	4,000.00
298.	39S_BE_0034	GENERATION OF POWER FROM FLUIDS FLOWING THROUGH PIPES	MECHANICAL ENGINEERING	PROF. RAKESH C	MR. ARUN R	4,000.00
299.	39S_BE_0035	MECHANICAL DESIGN OF A ROBOTIC ARM EXOSKELETON FOR ARM REHABILITATION	MECHANICAL ENGINEERING	PROF. RAKESH C	MR. S.M. DANISH	4,000.00
300.	39S_BE_0038	SMART TECHNOLOGY IN WEED REMOVAL FROM LAKES	MECHANICAL ENGINEERING	PROF. RAKESH C	MR. GAUTAM JANARSHAN	5,000.00
301.	39S_BE_0039	WASTE SEGREGATION USING ACTUATORS	MECHANICAL ENGINEERING	PROF. VIJAY B R	MR. PREETHAM M J	5,000.00
302.	39S_BE_0040	STUDIES IN REUSABILITY OF POLYMER PRODUCTS INTO USEFUL FUEL	MECHANICAL ENGINEERING	DR. M S GANESHA PRASAD & PROF. RAKESH	MR. SIDDARTH DINESH	4,000.00
303.	39S_BE_1061	FORMULATION AND CHARACTERIZATION OF METHYL CELLULOSE USED IN PAINTS FOR FIRE RETARDANT	BIOTECHNOLOGY ENGINEERING	MR. K.R.DASEGOWDA	MR. ADITYA.S	4,000.00