

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (KSCST), BANGALORE  
and  
B.V. BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI

**37<sup>th</sup> Series - Seminar and Exhibition of Student Project Programme  
28th and 29th July 2014**

Date : 28th July 2014 Time: 10.00 AM  
Venue : B.V. BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI

**INAUGURAL FUNCTION**

<b>09.00 AM – 10.00 AM</b>	<b>Registration</b>
<b>10.00 AM – 10.05 AM</b>	<b>Invocation</b>
<b>10.05 AM – 10.15 AM</b>	<b>Welcome Address by</b> Dr. Ashok S. Shettar Principal, B.V. Bhoomaraddi College of Engineering and Tech., Hubli
<b>10.15 AM – 10.35 AM</b>	<b>Opening Remarks by</b> <b>Dr. M. Prithviraj</b> Executive Secretary, Karnataka State Council for Science & Technology
<b>10.35 AM – 10.50 AM</b>	<b>Inaugural Address by</b> <b>Dr. Gopal K. Kadekodi</b> Honorary Professor, Centre for Multi-Disciplinary Development Research, Dharwad and Former Director Institute for Social and Economic Change, Bangalore
<b>10.50 AM – 11.00 AM</b>	<b>Release of SPP Biofuel Compendium &amp; Address by</b> <b>Prof. G. R. Naik</b> Vice Chancellor i/c, Gulbarga University, Gulbarga
<b>11.10 AM – 11.20 AM</b>	<b>Release of SPP Engineering Compendium, CD and</b> <b>Presidential Remarks by</b> <b>Prof. B. G. Mulimani</b> Vice Chancellor, BLDE Medical University, Bijapur and Former Vice Chancellor, Gulbarga University, Gulbarga
<b>11.20 AM – 11.30 AM</b>	<b>Vote of Thanks by</b> <b>Dr. S. G. Sreekanteswara Swamy</b> Fellow, Karnataka State Council for Science and Technology
<b>11.30 AM – 01.00 PM</b>	<b>Students' Project Exhibition</b>
<b>01.00 PM - 02.00 PM</b>	<b>Lunch</b>
<b>02.00 PM – 05.30 PM</b>	<b>Students' Seminar and Projects Exhibition</b>

# **TECHNICAL SESSIONS**

## **SEMINAR**

### **SESSION 1**

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C106**

Time : 02.00 PM – 05.30 PM

Chairman : DR. K. S. NANJUNDA RAO  
Principal Research Scientist,  
Department of Civil Engineering, Indian Institute of Science, Bangalore

### **CIVIL ENGINEERING**

<b>Sl. No.</b>	<b>PROJECT REF. NO.</b>	<b>TITLE OF THE PROJECT AND NAME OF THE COLLEGE</b>
20.	37S0747	STUDIES ON STRENGTH CHARACTERISTICS OF SELF HEALING BACTERIAL CONCRETE ▪ ACHARYA INSTITUTE OF TECHNOLOGY, SOLADEVANAHALLI, BANGALORE
21.	37S1137	AN EXPERIMENTAL STUDY ON HARDENED PROPERTY OF CONCRETE BY USING COCONUT COIR AS ADDITIVE ▪ ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
22.	37S1000	CBR IMPROVEMENT OF CLAYEY SOIL WITH GEO-GRID REINFORCEMENT ▪ ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELGAUM
24.	37S1025	EFFECT OF GRADING AND PROPORTIONING OF SAND ON THE COMPACTION PROPERTIES AND SHEAR STRENGTH OF SAND-CLAY MIXTURES ▪ BMS COLLEGE OF ENGINEERING, BASAVANAGUDI, BANGALORE
25.	37S1026	RHEOLOGY OF GEOPLOYMER CONCRETE ▪ BMS COLLEGE OF ENGINEERING, BASAVANAGUDI, BANGALORE
26.	37S0126	APPLICATIONS OF GEOPOLYMER IN BUILDING MATERIALS AND RETROFITTING ▪ BV BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
27.	37S0221	PUSHOVER ANALYSIS (NON-LINEAR STATIC ANALYSIS) OF RC BUILDINGS USING SAP SOFTWARE ▪ DAYANANDA SAGAR COLLEGE OF ENGINEERING, BANGALORE
30.	37S0237	AN EXPERIMENTAL EVALUATION OF ULTIMATE LATERAL LOAD CAPACITY OF TWO X TWO PILE GROUPS AT 3 D PILE SPACING IN LAYERED COHESIONLESS SOIL ▪ GOVERNMENT ENGINEERING COLLEGE, HAVERI
32.	37S1048	PERFORMANCE STUDY OF GEOPOLYMER COMPRESSED BLOCKS AND PRE-FABRICATED STRUCTURAL ELEMENTS ▪ JAIN COLLEGE OF ENGINEERING, BELGAUM
33.	37S1293	COMPARATIVE STUDY ON GEO POLYMER CONCRETE BEAMS WITH ORDINARY PORTLAND CEMENT CONCRETE BEAMS ▪ K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE

34.	37S1060	STABILIZATION OF BLACK COTTON SOIL USING INDUSTRIAL WASTES - A COMPARITIVE STUDY ▪ KLE SOCIETY'S KLE COLLEGE OF ENGG., AND TECHNOLOGY, CHIKKODI
37.	37S0059	PELLETIZATION TECHNIQUE FOR PRODUCTION OF FLY ASH AGGREGATES ▪ MVJ COLLEGE OF ENGINEERING, BANGALORE
40.	37S0408	CHARACTERISTICS OF CEMENT COMPOSITES WITH POND ASH AND M-SAND AS FINE AGGREGATES ▪ RV COLLEGE OF ENGINEERING, BANGALORE
41.	37S0359	INVESTIGATIONS OF NATURAL SUPERPLASTICIZERS ▪ RV COLLEGE OF ENGINEERING, BANGALORE
42.	37S0410	STIFFNESS OF BRICK MASONRY WALLS WITH OPENINGS ▪ RV COLLEGE OF ENGINEERING, BANGALORE
46.	37S1114	RECYCLED PLASTICS USED AS COARSE AGGREGATE FOR CONSTRUCTIONAL CONCRETE ▪ SJB INSTITUTE OF TECHNOLOGY, BANGALORE

## SESSION 2

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C107**

Time : 02.00 PM – 05.30 PM

Chairman : PROF. A. PERUMAL  
Chair Professor, Sir M. Visvesvaraya Geospatial Chair, KSCST

## CIVIL ENGINEERING

SI. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
23.	37S1096	DROUGHT RISK ASSESSMENT USING REMOTE SENSING AND GIS ▪ BMS COLLEGE OF ENGINEERING, BASAVANAGUDI, BANGALORE
28.	37S1386	STUDIES ON HEAVY METAL CONCENTRATION AND EUTROPHICATION IN POLLUTED LAKES AND MITIGATION THROUGH BIOREMEDIATION: A CASE STUDY ON BYRAMANGALA LAKE, RAMANAGARA DISTRICT, KARNATAKA ▪ DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE
29.	37S0097	NEW TECHNIQUES FOR POT HOLE REPAIRING ▪ GOVERNMENT ENGINEERING COLLEGE, HASSAN
31.	37S1349	NEUTRALIZATION OF LEACHATE BY LOW COST MATERIAL - CASE STUDY OF U. K. DISTRICT ▪ GOVERNMENT ENGINEERING COLLEGE, KARWAR
35.	37S0721	TREATMENT OF PAPER AND PULP WASTE WATER BY UP-FLOW ANAEROBIC HYBRID REACTOR ▪ KLS'S VISHWANATHRAO DESHPANDE RURAL INST., OF TECH., HALIYAL

36.	37S0233	STUDY OF WATER RESOURCE MANAGEMENT USING GIS AT HASSAN DISTRICT <ul style="list-style-type: none"> <li>▪ MALNAD COLLEGE OF ENGINEERING, HASSAN</li> </ul>
38.	37S0781	INTEGRATED SALINE WATER INGRESSION STUDIES ALONG PADUBIDRI - SURATHKAL COAST USING GEOSPATIAL TOOLS <ul style="list-style-type: none"> <li>▪ NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA</li> </ul>
39.	37S0928	SOLID WASTE MANAGEMENT AND SEARCH FOR ALTERNATE PROCEDURE OF WASTE TREATMENT, RECYCLING AND MANAGEMENT <ul style="list-style-type: none"> <li>▪ RAO BAHADUR Y. MAHABALESHWARAPPA ENGINEERING COLLEGE, BELLARY</li> </ul>
43.	37S1067	A STUDY ON THE STRENGTH PARAMETER OF PVC DUST CONCRETE AS AN ENVIRONMENTAL FRIENDLY ALTERNATIVE CONSTRUCTION MATERIAL <ul style="list-style-type: none"> <li>▪ SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI</li> </ul>
44.	37S1170	MORPHOMETRIC ANALYSIS OF WATERSHEDS OF KUNIGAL AREA TUMKUR DISTRICT, SOUTH INDIA USING REMOTE SENSING AND GIS TECHNOLOGY <ul style="list-style-type: none"> <li>▪ SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR</li> </ul>
45.	37S0967	PERFORMANCE EVALUATION OF WORN OUT TYRE AND TUBE RUBBER AS A PARTIAL REPLACEMENT FOR FINE AND COARSE AGGREGATES IN CEMENT CONCRETE <ul style="list-style-type: none"> <li>▪ SJB INSTITUTE OF TECHNOLOGY, BANGALORE</li> </ul>
47.	37S0874	A STUDY ON THE HYDROLOGICAL FEASIBILITY OF DIVERSION OF THE WEST FLOWING AGHANASHINI <ul style="list-style-type: none"> <li>▪ THE NATIONAL INSTITUTE OF ENGINEERING, MYSORE</li> </ul>

#### **CONSTRUCTION TECHNOLOGY AND MANAGEMENT**

71.	37S1034	STABILIZATION OF BLACK COTTON SOIL USING FLYASH AND GEOPOLYMER <ul style="list-style-type: none"> <li>▪ DAYANANDA SAGAR COLLEGE OF ENGINEERING, BANGALORE</li> </ul>
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## SESSION 3

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C104**

Time : 02.00 PM – 05.30 PM

Chairman : SHRI S. V. GOPALIAH

Principal Research Scientist, Electrical Communication Engineering,  
Indian Institute of Science, Bangalore

## COMPUTER SCIENCE AND ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
48.	37S1138	KANNADA BRAILE IMPLEMENTATION USING OCR ▪ ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
49.	37S0575	ALERT IN MENET'S : AN ANONYMOUS LOCATION-BASED EFFICIENT ROUTING PROTOCOL IN MANETS ▪ BHEEMANNA KHANDRE INSTITUTE OF TECHNOLOGY, BHALKI, BIDAR
50.	37S0821	46 HABIT FORMING DRUGS ▪ CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI
51.	37S1327	DATA HIDING USING STEGANOGRAPHY IN ALL FILES ▪ DON BOSCO INSTITUTE OF TECHNOLOGY, BANGALORE
52.	37S0101	IMAGE SEARCHING USING FEATURE EXTRACTION METHOD ▪ GOVERNMENT ENGINEERING COLLEGE, HASSAN
53.	37S0277	MODERN BLACK BOARD ▪ HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI, BELGAUM
54.	37S0754	REAL TIME DISTANCE ESTIMATION USING GPU ▪ HKBK COLLEGE OF ENGINEERING, BANGALORE
55.	37S1042	NATURAL LANGUAGE QUERY PROCESSING ▪ JAIN COLLEGE OF ENGINEERING, BELGAUM
56.	37S1438	AN ALERT SYSTEM WHICH MONITORS CHANGING DATA POINT AND RAISES E-MAIL AND SMS / ALERT ▪ JSS ACADEMY OF TECHNICAL EDUCATION, BANGALORE
57.	37S1289	HARNESSING THE CLOUD FOR SECURELY OUTSOURCING LARGE-SCALE SYSTEMS OF LINEAR EQUATIONS ▪ K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE
58.	37S0696	AUTOMATIC RECONFIGURATION FOR LARGE- SCALE RELIABLE STORAGE SYSTEM ▪ KLE SOCIETY'S KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI

## SESSION 4

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C105**

Time : 02.00 PM – 05.30 PM

Chairman : DR. R.P.S. CHAKRADHAR  
Senior Scientist, National Aerospace Laboratories, Bangalore

### COMPUTER SCIENCE AND ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
59.	37S0555	ILLUMINATION VARIANT VIDEO TEXT RECOGNITION FOR VISUALLY IMPAIRED PERSONS ▪ KVG COLLEGE OF ENGINEERING, SULLIA
60.	37S0270	DESIGNING A BIOMETRIC STRATEGY (FINGERPRINT) MEASURE FOR ENHANCING ATM SECURITY IN INDIAN E-BANKING SYSTEM ▪ MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI
61.	37S0806	i-CAR INTELLIGENT AND INTERACTIVE INTERFACE FOR DRIVER ASSISTANCE SYSTEM ▪ NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA
62.	37S1078	AN INTRUSION DETECTION AND PREVENTION SYSTEM FOR IMS AND VOIP SERVICES ▪ PES INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA
63.	37S0349	SECURITY AND PRIVACY ENHANCING MULTI-CLOUD ARCHITECTURES ▪ POOJYA DODDAPPA APPA COLLEGE OF ENGINEERING, GULBARGA
64.	37S0203	HAWK-I PORTABLE EMERGENCY APPLICATION KIT & DOCUMENT ENCRYPTION LOCKER WITH MULTI LEVEL SECURITY SYSTEM AND SELF ERASE PROTOCOL ▪ PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET
65.	37S0078	A SOFTWARE APPLICATION TO NAVIGATE USING GPS AND GOOGLE MAPS ▪ RAJARAJESWARI COLLEGE OF ENGINEERING, KUMBALGOD, BANGALORE
66.	37S1074	DESKTOP VIRTUALIZATION OVER THE CLOUD THROUGH HOST-BASED VIRTUAL MACHINES ▪ SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE
67.	37S0526	PATHIPA DARSHINYAHA PALANA (WOMAN PROTECTION MOBILE APP) ▪ SKSVMA COLLEGE OF ENGINEERING AND TECHNOLOGY, LAXMESHWAR, GADAG
68.	37S1225	MONA: SECURE MULTI OWNER DATA SHARING FOR DYNAMIC GROUPS IN CLOUD ▪ STJ INSTITUTE OF TECHNOLOGY, RANEBENNUR
69.	37S0388	AUTOMATIC VIDEO SHOT BOUNDARY DETECTION AND KEY FRAME EXTRACTION USING GABOR MOMENTS ▪ VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR

## SESSION 5

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C102**

Time : 02.00 PM – 05.30 PM

Chairman : DR. P. SIVA SUBBA RAO

Principal Scientist, National Aerospace Laboratories, Bangalore

### INFORMATION SCIENCE AND ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
83.	37S1163	A SIMILARITY MEASURE FOR CLASSIFICATION AND CLUSTERING IN TEXT BASED BANKING AND IMAGE BASED MEDICAL APPLICATIONS ▪ ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
84.	37S1172	DESIGN EMBEDDED CONTROLLER TO IMPLEMENT AUTOLOCK FACILITY IN LPG STOVES ▪ BALLARI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELLARY
85.	37S0029	PADDY GRADER AND DISEASE FINDER THROUGH LEAF COLORATION BY IMAGE PROCESSING ▪ BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
86.	37S0142	CONTROLLING AIR CONDITIONER (TEMPERATIVE AND AIRFLOW) USING WIRELESS SENSOR NETWORK ▪ BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
87.	37S1079	GPS BASED TRANSPORT SERVICE TRACKING SYSTEM ▪ NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BANGALORE
88.	37S1181	RIHT: A NOVEL HYBRID IP TRACE BACK SCHEME ▪ POOJYA DODDAPPA APPA COLLEGE OF ENGINEERING, GULBARGA
89.	37S0518	VIRTUAL REALITY, AUGMENTED TECHNOLOGY (GIVEN BY EVALUATOR : INTERACTION WITH COMPUTER USING VIRTUAL MOUSE AND KEYBOARD) ▪ SJC INSTITUTE OF TECHNOLOGY, CHICKBALLAPUR
90.	37S0895	MOBILE FINDER (MF) ▪ SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALORE

**SESSION 6**  
**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C101**

Time : 02.00 PM – 05.30 PM

Chairman : DR. V. P. S. NAIDU  
Principal Scientist, National Aerospace Laboratories, Bangalore

**ELECTRONICS AND COMMUNICATION**

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
76.	37S0472	AUTOMATIC DETECTION OF BLINDNESS USING IMAGE PROCESSING TECHNIQUES ▪ ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOOBBIDRI
77.	37S0558	MULTI-SENSOR IMAGE FUSION APPLIED TO MORPH DYNAMICS OF COASTAL ENVIRONMENTS IN KUMTA TALUK ▪ GSSS INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSORE
78.	37S0403	FPGA/DSP BASED CONVERTER - INVERTER CONTROL STRATEGY FOR SINGLE PHASE WIND POWER GENERATION SYSTEM ▪ JSS ACADEMY OF TECHNICAL EDUCATION, BANGALORE
79.	37S0052	NOVEL COMPACT CIRCULAR DIELECTRIC RESONATOR ANTENNA FOR IEEE 802.11a AND IEEE 802.11ac ▪ RAJEEV INSTITUTE OF TECHNOLOGY, HASSAN
80.	37S1353	INFANT CRY ANALYSIS ▪ UNIVERSITY BDT COLLEGE OF ENGINEERING, DAVANGERE

**TELECOMMUNICATION ENGINEERING**

105.	37S1313	EFFLUENT TREATMENT OF WATER FOR DYEING INDUSTRIES BASED ON WIRELESS MICRO AND NANO SENSOR NETWORK ▪ MS RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE
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## SESSION 7

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C201**

Time : 02.00 PM – 05.30 PM

Chairman : DR. B. SUBBA REDDY

Principal Research Scientist, Department of Electrical Engineering  
Indian Institute of Science, Bangalore

### ELECTRICAL AND ELECTRONICS ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
71.	37S1015	GRID CONNECTED PHOTOVOLTAIC SYSTEM ▪ AMRITA SCHOOL OF ENGINEERING, BANGALORE
72.	37S0268	DESIGN OF PLC BASED CONTROL SYSTEM FOR 3-PHASE SLIP RING INDUCTION MOTOR ▪ HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI, BELGAUM
73.	37S0848	IMPLEMENTATION OF NETWORK RECONFIGURATION TECHNIQUE FOR LOSS MINIMIZATION ON A 11KV DISTRIBUTION SYSTEM OF MRS SHIMOGA - A CASE STUDY ▪ PES INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA
74.	37S0438	EFFICIENT UTILIZATION OF RENEWABLE ENERGY FOR MULTIPLE UTILITIES BY BUCK-BOOST CONVERTER ▪ SG BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELGAUM
75.	37S1312	OPTIMIZATION IN GENERATION OF POWER FORM A HORIZONTAL AXIS WIND TURBINE VIA BLADE PITCH CONTROL AND STRUCUTRE MORPHING ▪ SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

### MEDICAL ELECTRONICS ENGINEERING

104.	37S0841	NAIL FOLD CAPILLAROSCOPY USING USB DIGITAL MICROSCOPE IN THE ASSESSMENT OF MICROCIRCULATION IN DIABETES MELLITUS ▪ DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE
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**SESSION 8**  
**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C103**

Time : 02.00 PM – 05.30 PM

Chairman : DR. K. VENKATESWARLU  
 Principal Scientist, National Aerospace Laboratories, Bangalore

**AUTOMATION AND ROBOTICS**

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
1.	37S0121	AUTOMATED SOIL SAMPLING AND FARM MAPPING DEVICE ▪ BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI

**MECHANICAL ENGINEERING**

91.	37S1278	EXPERIMENTAL AND COMPUTATIONAL SIMULATION OF PRODUCING ULTRA FINE GRAINED ALUMINIUM SILICON CARBIDE COMPOSITES PROCESSED BY CONSTRAINED GROOVE PRESSING ▪ ACS COLLEGE OF ENGINEERING, BANGALORE
92.	37S1016	DESIGN AND DEVELOPMENT OF AUTOMOBILE DRIVING MECHANISM FOR DISABLED ARM PEOPLE ▪ AMRITA SCHOOL OF ENGINEERING, BANGALORE
93.	37S1373	A CASE STUDY ON IMPLEMENTATION OF HYDRAULIC JACK TO HEAVY LOADED VEHICLES ▪ BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
94.	37S0510	STUDY OF HEAT TRANSFER THROUGH CIRCULAR DUCT WITH INSERTIONS AND DETERMINING THE LOCAL HEAT TRANSFER COEFFICIENT ▪ BLDEA'S DR. PGH COLLEGE OF ENGINEERING AND TECHNOLOGY, BIJAPUR
95.	37S0401	DEVELOPMENT AND CHARACTERIZATION OF INDUSTRIAL WASTE REINFORCED METAL MATRIX COMPOSITES ▪ DAYANANDA SAGAR COLLEGE OF ENGINEERING, BANGALORE
96.	37S0992	DESIGN, ANALYSIS, FABRICATION AND TESTING OF A VERTICAL AXIS TIDAL TURBINE (PROTOTYPE) ▪ EAST POINT COLLEGE OF ENGINEERING AND TECHNOLOGY, BANGALORE
97.	37S1081	AUTOMOBILE EXHAUST CONTROL DEVICE ▪ GOVERNMENT ENGINEERING COLLEGE, KARWAR
98.	37S1064	SMART HIGHWAY INTEGRATED ENERGY PRODUCTION SYSTEM ▪ HMS INSTITUTE OF TECHNOLOGY, TUMKUR
99.	37S1297	MONITORING OF PRESSURE IN A TWO WHEELER TUBING TYRE UNDER MOTION ▪ K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE
100.	37S0707	SOLAR POWERED EVAPORATIVE AIR CONDITIONING SYSTEM ▪ KLS'S VISHWANATHRAO DESHPANDE RURAL INSTITUTE OF TECHNOLOGY, HALIYAL
101.	37S1036	PERFORMANCE AND EMISSION ANALYSIS OF DIESEL ENGINE BY INJECTING DIETHYL ETHER WITH AND WITHOUT EGR USING DPF ▪ KS INSTITUTE OF TECHNOLOGY, BANGALORE
102.	37S0223	DESIGN AND FABRICATION OF ENERGY EFFICIENT AIR COOLER ▪ ST. JOSEPHS ENGINEERING COLLEGE, VAMANJOOR, MANGALORE
103.	37S1221	MULTI DISH PLATES WASHING MACHINE ▪ STJ INSTITUTE OF TECHNOLOGY, RANEBENNUR

## SESSION 9

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C202**

Time : 02.00 PM – 05.30 PM

Chairman : DR. M. PRITHVIRAJ

Executive Secretary, Karnataka State Council for Science and Technology  
Indian Institute of Science Campus, Bangalore

### CERAMEIC AND CEMENT TECHNOLOGY

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
14.	37S0352	MICROWAVE SYNTHESIS AND CHARACTERIZATION OF FERRITES ▪ POOJYA DODDAPPA APPA COLLEGE OF ENGINEERING, GULBARGA

### CHEMICAL ENGINEERING

15.	37S0013	AN INVESTIGATION ON REMOVAL OF CHEMICAL OXYGEN DEMAND (COD) FROM DOMESTIC WASTE WATER USING FORTIFIED SOIL CLAY ▪ BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
16.	37S0592	REMOVAL OF ARSENIC FROM WATER BY USING ADSORPTION TECHNIQUE ▪ BHEEMANNA KHANDRE INSTITUTE OF TECHNOLOGY, BHALKI, BIDAR
17.	37S1399	REMOVAL OF HEAVY METALS USING COMBINATION OF ADSORBENTS - A CASE STUDY USING INDUSTRIAL WASTE WATER ▪ DAYANANDA SAGAR COLLEGE OF ENGINEERING, BANGALORE
18.	37S0161	CHEMICAL RECYCLING OF WASTE PLASTICS INTO FUELS AND VALUABLE CHEMICALS - A TRASH INTO TREASURE ▪ SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD
19.	37S0595	ONE-POT SYNTHESIS OF Fmoc/Cbz- PROTECTED $\beta$ -AMINO ALKYL AZIDES DIRECTLY FROM ALCOHOLS AND THEIR UTILITY IN THE SYNTHESIS OF 1,4-SUBSTITUTED 1,2,3-TRIAZOLE BASED N-PROTECTED $\epsilon$ -AMINO ACIDS ▪ SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

### ENVIRONMENTAL ENGINEERING

81.	37S1333	COLOUR REMOVAL FROM TEXTILE WASTEWATER USING PULP AND PAPER MILL SLUDGE AS AN ADSORBENT ▪ SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE
82.	37S1104	ARSENIC AND FLUORIDE REMOVAL FROM WATER USING FERRIC OXIDE COATED MATERIAL ▪ VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSORE

## SESSION 10

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C203**

Time : 02.00 PM – 05.30 PM

Chairman : DR. H. N. CHANAKYA  
Chief Research Scientist, Centre for Sustainable Technologies  
Indian Institute of Science, Bangalore

### BIOTECHNOLOGY ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
2.	37S0007	PHYTOCHEMICAL, VITAMIN-C AND ANTIOXIDANT EVALUATION OF SOME UNDEREXPLOITED FRUITS ▪ BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
3.	37S0123	BIOPROCESSING OF FOOD INDUSTRIAL WASTE FOR XYLANASE PRODUCTION USING SOLID STATE FERMENTATION ▪ BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
4.	37S0835	SELECTION AND SCREENING OF MICROBIAL CONSORTIA FOR EFFICIENT AND ECO-FRIENDLY DEGRADATION OF PLASTIC WASTES IN URBAN AND RURAL AREAS OF BANGALORE ▪ DAYANANDA SAGAR COLLEGE OF ENGINEERING, BANGALORE
5.	37S1319	DESIGNING MULTIFUNCTIONAL MATERIALS FOR DRUG DELIVERY, CONTRAST AGENT FOR FLUORESCENCE IMAGING AND INVITRO STUDIES ▪ GM INSTITUTE OF TECHNOLOGY, DAVANGERE
6.	37S0956	INVITRO EVALUATION OF BOTANICALS AND BIOCONTROL AGENTS AGAINST POMAGRANATE BACTERIAL BLIGHT PATHOGEN ▪ GM INSTITUTE OF TECHNOLOGY, DAVANGERE
7.	37S0306	ISOLATION OF PLANT HORMONE (GA3) FROM FUNGI AND PRODUCTION AND OPTIMIZATION STUDIES ▪ KLE'S DR. M. S. SHESHAGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, UDYAMBAG, BELGAUM
8.	37S0342	NANOFORMULATION OF ANTIFUNGAL DRUG ( <i>Fluconazole</i> ) AND THEIR EVALUATION ▪ MS RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE
9.	37S0723	EXTRACTION, CHARACTERIZATION AND ELECTRO SPINNING OF KERATIN FROM CHICKEN FEATHERS AND HUMAN HAIR FOR THEIR ECO-FRIENDLY REUSE - AN APPROACH TO BIO-WASTE TREATMENT AND ITS MANAGEMENT ▪ NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE
10.	37S0772	SYNTHESIS OF SILVER NANOPARTICLES USING MICROBES ▪ NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA
11.	37S0446	POST TODDY TAP INTERVENTION OF FERMENTATION TO PRODUCE HEALTH DRINK ▪ PA COLLEGE OF ENGINEERING, MANGALORE
12.	37S0091	BIOACCUMULATION OF LEAD METAL IONS FROM PAINT INDUSTRY EFFLUENTS BY AN INDIGENOUS BACTERIA ▪ SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE
13.	37S1017	CHARECTERIZATION OF ANTIMITOTIC COMPOUNDS WITH THERAPEUTIC POTENTIAL FROM CARROT ( <i>Daucas carota</i> ) ▪ SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE

## SESSION 11 : SEMINAR ON BIOFUEL PROJECTS

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C204**

Time : 02.00 PM – 06.00 PM

Chairman : PROF. UDUPI SHRINIVASA  
Department of Mechanical Engineering, Indian Institute of Science

### B.E. Projects on Biofuels

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
1	37S_B_BE_005	BIOCHEMICAL CONVERSION OF WATER HYACINTH (EICHHORNIA CRAASSIPES) TO BIO DIESEL -ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
2	37S_B_BE_029	VALUE ADDED UTILIZATION OF CRUDE GLYCEROL -BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
3	37S_B_BE_001	ISOLATION OF PLANT STEROLS FROM MICROWAVE PRE TREATED JATROPA CAKE -BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
4	37S_B_BE_004	EFFECT OF COMBUSTION CHAMBER SHAPES AND EGR ON THE PERFORMANCE OF BIODIESEL FUEL ENGINES - BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
5	37S_B_BE_042	MANUFACTURE OF C-11 COMPOUNDS FROM CASTOR OIL - DAYANANDA SAGAR COLLEGE OF ENGINEERING, BANGALORE
6	37S_B_BE_037	DESIGN AND DEVELOPMENT OF ECO-FRIENDLY COMPOSITE BIO-MASS BRIKETTS - HMS INSTITUTE OF TECHNOLOGY, TUMKUR
7	37S_B_BE_050	SOLAR ENERGY SUPPORTED BIODIESEL PRODUCTION UNIT - JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA
8	37S_B_BE_051	CONVERSION OF BIOGAS INTO FUEL OIL (METHANOL) AND PARAMETRIC STUDY ON APPLICATION OF BIOGAS IN IC ENGINE - JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA
9	37S_B_BE_015	EVALUATION OF VEGETABLE BASED CUTTING FLUIDS IN TURNING AA6061 WITH MINIMUM QUANTITY LUBRICATION -MALNAD COLLEGE OF ENGINEERING, HASSAN
10	37S_B_BE_032	FEASIBILITY OF CASHEW NUT SHELL AS A SOURCE OF BIO-DIESEL AND SOLID BRIQUETTES - MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI
11	37S_B_BE_010	STUDIES ON EFFECT OF BIODEISEL ON THE ENGINE CRANKCASE LUBRICANT - NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BANGALORE
12	37S_B_BE_013	PERFORMANCE STUDY OF DIESEL ENGINE USING METHYL ESTER OF WATER MELON SEED OIL (BODIESEL) AS A FUEL - NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BANGALORE
13	37S_B_BE_055	PRODUCTION OF BIODIESEL FROM PROCESSED WASTE MEAT AND POULTRY - STUDY OF ITS PROPERTIES, PERFROMANCE AND EMISSION CHARACTERISTICS AS A BLENDED FUEL ON IC ENGINE - NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BANGALORE

## SESSION 12 : SEMINAR ON BIOFUEL PROJECTS

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C205**

Time : 02.00 PM – 06.00 PM

Chairman : PROF. R. SURESH  
Dept., of Mechanical Engg., Siddaganga Institute of Technology, Tumkur

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
14	37S_B_BE_017	WASTE TO WEALTH-BIODIESEL EXTRACTION FROM SEWAGE SLUDGE AND ENGINE PERFORMANCE STUDIES WITH SEWAGE SLUDGE BIODIESEL (SSB) - PA COLLEGE OF ENGINEERING, MANGALORE
15	37S_B_BE_046	OPTIMIZATION STUDIES FOR QUALITY BIODIESEL PRODUCTION USING Waste Vegetable OIL - PES INSTITUTE OF TECHNOLOGY, BANGALORE
16	37S_B_BE_033	TRANSESTERIFICATION OF PONGAMIA SEEDS USING SOLID BASED CATALYST - RV COLLEGE OF ENGINEERING, BANGALORE
17	37S_B_BE_027	DESIGN AND DEVELOPMENT OF A TWIN SCREW EXTRUDER FOR PONGAMIA PINNATA SEEDS - RV COLLEGE OF ENGINEERING, BANGALORE
18	37S_B_BE_022	BIOLOGICAL CONVERSION OF POULTRY WASTE TO BIODIESEL USING ISOLATED LIPASES FOR TRANSESTERIFICATION - SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE
19	37S_B_BE_043	POWER GENERATION FROM KITCHEN AND INDUSTRIAL WASTEWATER USING MICROBIAL FUEL CELLS (MFSs) WITH GRAPHITE CATHODE AND ANODE - SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE
20	37S_B_BE_044	PRODUCTION OF BIOFUEL FROM SOIL AND WASTE WATER ALGAE USING VERTICAL REACTOR SYSTEM - SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE
21	37S_B_BE_006	BIOMASS GASIFIER STOVE USING AGRICULTURAL WASTE (CROP RESIDUE) - SHAIKH COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM
22	37S_B_BE_054	STUDY AND CHARACTERIZATION OF SEMICARPUS ANACARDIUM (MARKING NUT) SEED OIL AND ITS PERFORMANCE TESTING BY USING INTERNAL COMBUSTION ENGINE APPLICATIONS - SHAIKH COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM
23	37S_B_BE_045	PRODUCTION AND OPTIMIZATION OF BIODIESEL FROM MIXED FEED OIL USING RESPONSE SURFACE METHODOLOGY - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
24	37S_B_BE_039	PRODUCTION OF BIODIESEL FROM SLAUGHTER-HOUSE WASTE - SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE
25	37S_B_BE_052	PRODUCTION OF FATTY ACID METHYL ESTERS FROM SIMAROUBA OIL VIA ULTRASONIC IRRADIATION PROCESS, EFFECTIVE UTILIZATION OF BYPRODUCTS. TESTING AND EXTRACTION OF PHYTOCHEMICALS FROM SIMAROUBA OIL AND CAKE - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
26	37S_B_BE_057	PERFORMANCE ANALYSIS OF DUAL FUEL ENGINE USING HCNG AS PRIMARY FUEL - BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI

## SESSION 13 : SEMINAR ON BIOFUEL PROJECTS

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C206**

Time : 02.00 PM – 06.00 PM

Chair person : PROF. M. B. NAGAVENI  
Department of Biotechnology  
MLA College for Women, Bangalore

### M.Sc., Projects on Biofuels

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
1	37S_B_MSc_021	PRODUCTION OF BIOETHANOL FROM KHAS GRASS - CENTRE FOR POST GRADUATES STUDIES, JAIN UNIVERSITY, BANGALORE
2	37S_B_MSc_011	BIOCHEMICAL CHARACTERIZATION OF <i>Hydnocarpus pentandra</i> FOR SEED OIL QUALITY, OIL CAKE, SEED SHELL AND ITS BIODIESEL PRODUCTION POTENTIAL - A POTENTIAL BIOFUEL FROM UTTARA KANNADA DISTRICT OF CENTRAL WESTERN GHAT REGION OF KARNATAKA - COLLEGE OF AGRICULTURE, UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD
3	37S_B_MSc_006	DOCUMENTATION OF NURSERY DISEASES OF <i>Pongamia pinnata</i> AND DEVELOPING EFFECTIVE MANAGEMENT PACKAGE IN HAVERI FOREST DIVISION - COLLEGE OF FORESTRY, SIRSI
4	37S_B_MSc_010	COMPARATIVE STUDY OF PRODUCTION OF BIOFUEL (ETHANOL) BY CHEMICAL AND FUNGAL METHODS USING VEGETABLES & FRUIT PEELS - GARDEN CITY COLLEGE, BANGALORE
5	37S_B_MSc_019	DEGRADATION OF LIGNOCELLULOSIC RAW MATERIALS USING OYSTER MUSHROOM ( <i>Pleurotus sp.</i> ) MYCELIA FOR THE PRODUCTION OF ETHANOL - GARDEN CITY COLLEGE, BANGALORE
6	37S_B_MSc_001	PREPARATION OF CELLULOSE ACETATE FROM WASTE SHORTCUT COCONUT COIR FOR APPLICATION AS BIODEGRADABLE PACKING MATERIAL FOR FOOD ITEMS - GOVERNMENT SCIENCE COLLEGE, HASSAN
7	37S_B_MSc_013	GENETIC DIVERSITY STUDY OF <i>Pongamia pinnata</i> BY RAPD ANALYSIS - GULBARGA UNIVERSITY, GULBARGA
8	37S_B_MSc_014	ISOLATION AND SCREENING OF CRUDE GLYCEROL UTILIZING MICROORGANISMS FOR THE PRODUCTION OF 1,3-PROPANEDIOL - GULBARGA UNIVERSITY, GULBARGA
9	37S_B_MSc_005	IDENTIFICATION AND CHARACTERIZATION OF POTENTIAL BIOFUEL ALGAL STRAINS FROM THE ENVIRONS OF GULBARGA REGION - GULBARGA UNIVERSITY, GULBARGA
10	37S_B_MSc_023	HEAVY METAL INDUCTION FOR ENHANCED LIPID PRODUCTIVITY IN FRESH WATER MICROALGAE - INDIAN ACADEMY DEGREE COLLEGE, BANGALORE
11	37S_B_MSc_026	NUTRITIONAL ANALYSIS OF PONGAMIA SEED CAKE FOR ANIMAL SUPPLEMENT - MAHARANI LAKSHMI AMMANNI COLLEGE FOR WOMEN, BANGALORE
12	37S_B_MSc_024	UTILIZATION OF CANTEEN AND CONVERT REFUSE OF MOUNT CARMEL COLLEGE TO HARVEST BIOFUEL - MOUNT CARMEL COLLEGE, BANGALORE
13	37S_B_MSc_017	SCREENING OF SWEET SORGHUM GENOTYPES FOR HIGHER ETHANOL PRODUCTION - UNIVERSITY OF AGRICULTURAL SCIENCES, G.K.V.K., BANGALORE
14	37S_B_MSc_012	GENETIC DIVERSITY STUDIES ON BIOFUEL PLANTS IN GULBARGA AND BIDAR REGION - GULBARGA UNIVERSITY, GULBARGA
15	37S_B_MSc_025	ISOLATION AND BIOCHEMICAL CHARACTERIZATION OF ANTIMICROBIAL TRYPSIN INHIBITOR FROM <i>Pongamia pinnata</i> OIL SEED CAKE - MAHARANI LAKSHMI AMMANNI COLLEGE FOR WOMEN, BANGALORE

## SESSION 14 : Seminar on Biofuel Projects

**Monday, 28th July, 2014**

**Venue : Dr. R. H. Kulakarni Memorial Lecture Hall Complex : LHC - C207**

Time : 02.00 PM – 05.30 PM

Chairman : PROF. H. G. NAGENDRA  
Head, Dept., of Biotechnology, Sir M V Institute of Technology, Bangalore

### M.Tech Projects on Biofuels

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
1	37S_B_MTech_001	INVESTIGATION ON CONVERSION OF FLOWER WASTES INTO BIO-ETHANOL AND PERFORMANCE EVALUATION ON SINGLE CYLINDER IC ENGINE - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
2	37S_B_MTech_011	STABILITY ANALYSIS OF BIODIESEL, ETHANOL AND DIESEL BLENDS AND PERFORMANCE TESTING OF CI ENGINE WITH THESE STABLE BLENDS - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
3	37S_B_MTech_012	TREATMENT OF SUGAR PROCESSING WASTE WATER AND BIOGAS PRODUCTION USING ALGAL BIOMASS - BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
4	37S_B_MTech_014	EFFECT OF ADDITIVE HYDROGEN PEROXIDE ON THE PERFORMANCE AND EMISSION OF A DIESEL ENGINE AT B20 BLEND - BTL INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BANGALORE
5	37S_B_MTech_015	ULTRASONIC ASSISTED BIODIESEL PRODUCTION FROM WASTE COOKING OIL AND STUDY OF PERFORMANCE CHARACTERISTICS IN A SINGLE CYLINDER DIESEL ENGINE - PA COLLEGE OF ENGINEERING, MANGALORE
6	37S_B_MTech_016	COMMERCIALIZATION OF BIODIESEL PRODUCTION FROM NON-EDIBLE OIL SEEDS USING MIXED BASE CATALYST AND PERFORMANCE STUDY ON CI ENGINE - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
7	37S_B_MTech_004	SCALE-UP, CHARACTERIZATION AND EFFICACY OF BIODIESEL FROM WASTE SLUDGE PALM OIL - SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE
8	37S_B_MTech_005	PRE-TREATMENT OF SLUDGE PALM OIL (SPO) TO EXTRACT VITAMIN A AND VITAMIN E BEFORE CONVERSION OF SPO INTO BIODIESEL - SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE
9	37S_B_Mtech_017	CFD ANALYSIS OF TURBOCHARGER TURBINE - ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR



## **Monday, 28<sup>th</sup> July, 2014**

**5.30 PM – 6.30 PM LECTURE – 1**

**By Mr. Vinay Konaje**  
CEO, Navya Biologicals Pvt. Ltd.,  
B.V. Bhoomaraddi College of Engineering and Technology, Hubli

**Topic: "Entrepreneurship, R&D in Biotechnology and related areas"**

**6.30 PM – 7.00 PM LECTURE – 2**

**By Shri Vishwanath**  
Chief Executive Officer, Karadi Path Education Company Pvt. Ltd., Chennai

**Topic: "Magic English Learning for Technical Education Programme"**

**Venue : B.V. Bhoomaraddi College of Engineering and Technology, Hubli**

**07.00 PM – 08.00 PM Cultural Programme by students of BVB CET**

## **Tuesday, 29<sup>th</sup> July, 2014**

### **TECHNICAL SESSIONS**

**9.30 AM – 10.30 AM LECTURE – 2**

**By Prof. N. Balakrishnan**  
Supercomputer Education and Research Centre (SERC),  
Indian Institute of Science, Bangalore

**Topic : "Revenge of Silicon"**

**10.30 AM – 3.00 PM Visit to Exhibition and Evaluation of Exhibition Projects**

**01.00 PM – 02.00 PM Lunch Break**

**03.00 PM – 04.15 PM VALEDICTORY FUNCTION**

## 37<sup>th</sup> Series - Seminar and Exhibition of Student Project Programme 28th and 29th July 2014

### EXHIBITION PROJECTS

The panel of judges will evaluate these projects on 28th and 29th July 2014.

**VENUE : CLITE BUILDING, COMPUTER SCIENCE / INFORMATION SCIENCE LAB  
BV BHOOMARADDI COLLEGE OF ENGINEERING & TECHNOLOGY, HUBLI**

JURY : DR. P. SIVASUBBA RAO  
Principal Scientist, National Aerospace Laboratories, Bangalore

#### COMPUTER SCIENCE AND ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
108.	37S1140	POLICE QUICK REPORTING SYSTEM (PQRS) ▪ ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
109.	37S1198	A GPS BASED MOBILE COMMON UTILITY LOCATOR SYSTEM ▪ BAHUBALI COLLEGE OF ENGINEERING, SHRAVANBELAGOLA
110.	37S0823	A SECURE ATM SYSTEM USING DELAY CONSTRAINT AND GSM MODULE ▪ CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI
111.	37S1035	IP PHONE USING RASPBERRY pi ▪ COORG INSTITUTE OF TECHNOLOGY, PONNAMPET
112.	37S0279	VISION BASED ANALYSIS USING SIXTH SENSE TECHNOLOGY ▪ HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI, BELGAUM
113.	37S0639	DESIGN AND IMPLEMENTATION OF A PROTOTYPE SMART PARKING (SPARK) SYSTEM USING SENSOR NETWORKS AND ANDROID APP ▪ MARATHA MANDAL'S ENGINEERING COLLEGE, BELGAUM
114.	37S1022	IMPLEMENTATION OF VIRTUAL CLASS USING WEB RTC ▪ MS RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE
115.	37S1021	PROBABILITY OF DETERMINING CARDIAC ARREST USING DATA MINING AND CLOUD COMPUTING ▪ MS RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE
116.	37S0803	FOOD VENDING MACHINE FOR SCHOOLS ▪ NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA
117.	37S0206	EMERGENCY CAMERA CARE UNIT FOR AILING PATIENT'S (ECC-AP) ▪ PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET
118.	37S1314	A SECURE SCHEME FOR USER AUTHENTICATION AN AUTHORIZATION ▪ SAMBHRAM INSTITUTE OF TECHNOLOGY, BANGALORE
119.	37S0198	BIOMETRIC VEHICLE SECURITY DEVICE ▪ SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI
120.	37S0527	SAFE DRIVING USING MOBILE PHONES ▪ SKSVMA COLLEGE OF ENGINEERING AND TECH., LAXMESHWAR, GADAG
121.	37S0881	ANDROEAR - AN ANDROID APP FOR THE HEARING IMPAIRED ▪ SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALORE

122.	37S1122	SENSOR BASED RADIO ASSISTED PERVASIVE HELPER (SeRaPH) ▪ VIDYA VIKAS INSTITUTE OF ENGINEERING AND TECHNOLOGY, MYSORE
123.	37S0215	VIRTUAL MOUSE ▪ VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSORE

**VENUE : CLITE BUILDING, COMPUTER SCIENCE / INFORMATION SCIENCE LAB**

JURY : DR. V.P.S. NAIDU  
Principal Scientist, National Aerospace Laboratories, Bangalore

**INFORMATION SCIENCE AND ENGINEERING**

159.	37S0483	ATM SECURITY ▪ ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI
160.	37S1320	PRIVACY AT NETWORK LEVEL IN WIRELESS SENSOR NETWORK ▪ BAHUBALI COLLEGE OF ENGINEERING, SHRAVANBELAGOLA
161.	37S1169	ANDROID BASED INTEGRATED INDOOR NAVIGATION SYSTEM FOR VISUALLY IMPAIRED PEOPLE ▪ DON BOSCO INSTITUTE OF TECHNOLOGY, BANGALORE
162.	37S0463	MULTI-TOUCH REACTABLE ▪ KLE INSTITUTE OF TECHNOLOGY, HUBLI
163.	37S0801	SPEECH AUXILIATOR ▪ NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA

**VENUE : CLITE BUILDING, COMPUTER SCIENCE / INFORMATION SCIENCE LAB**

JURIES : PROF. B. S. RAJANIKANTH  
Department of Electrical Engineering, Indian Institute of Science

DR. J. R. MUDAKAVI  
Department of Chemical Engineering, Indian Institute of Science

**ENVIRONMENTAL ENGINEERING**

157.	37S0067	FABRICATION OF ZINC OXIDE-CHITOSAN BASED BIOCOMPATIBLE PHOTOCATALYTIC REACTOR FOR THE DEGRADATION OF TOXIC TEXTILE DYE CONGO RED ▪ SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE
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**TEXTILE TECHNOLOGY**

205.	37S0042	DESIGN AND DEVELOPMENT OF SOLAR GARMENT ▪ BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
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**BIOTECHNOLOGY ENGINEERING**

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
106.	37S0010	EVALUATION OF SELECTED INDIAN PLANTS FOR PHYTOCHEMICAL, ANTI-CANCER, ANTI-MICROBIAL AND ANTI-OXIDANT ACTIVITY ▪ BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
107.	37S1018	A NOVEL APPROACH IN UTILIZATION OF FLOWER WASTE FROM CHIKKABALLAPUR MARKET TOWARDS DEVELOPMENT OF VALUE ADDED PRODUCTS ▪ SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE

## INSTRUMENTATION TECHNOLOGY

165.	37S0150	FOOD AUTOMATION DEVICE (OMLETTE MACHINE) <ul style="list-style-type: none"><li>▪ BV BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI</li></ul>
166.	37S0497	SOLAR BASED PESTICIDE SPRAYER <ul style="list-style-type: none"><li>▪ MS RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE</li></ul>
167.	37S0680	MEMS ACCELEROMETER SENSORS BASED SEMI-AUTOMATED RASH DRIVING, TRAFFIC SIGNAL JUMP AND ALCOHOL DETECTION UNIT <ul style="list-style-type: none"><li>▪ PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET</li></ul>
168.	37S0608	WIRELESS SENSOR NETWORK BASED ON WATER QUALITY MONITORING SYSTEM USING ZIGBEE <ul style="list-style-type: none"><li>▪ RAO BAHADUR Y. MAHABALESHWARAPPA ENGINEERING COLLEGE, BELLARY</li></ul>

**VENUE : CLITE BUILDING, COMPUTER SCIENCE / INFORMATION SCIENCE LAB**

JURY : DR. B. SUBBA REDDY  
Department of Electrical Engineering, Indian Institute of Science

## ELECTRICAL AND ELECTRONICS ENGINEERING

124.	37S1007	THE FLYING QUAD COPTER <ul style="list-style-type: none"><li>▪ DR. MV SHETTY INSTITUTE OF TECHNOLOGY, MOODBIDRI</li></ul>
125.	37S1288	ELECTRONIC LOAD CONTROLLER (ELC) FOR MICRO HYDRO SYSTEMS <ul style="list-style-type: none"><li>▪ K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE</li></ul>
126.	37S0189	CUSTOMER SECURITY SYSTEM AT ATM <ul style="list-style-type: none"><li>▪ RAJARAJESWARI COLLEGE OF ENGINEERING, KUMBALGOD, BANGALORE</li></ul>
127.	37S0191	ENERGY EFFICIENT SOLAR DISHWASHER <ul style="list-style-type: none"><li>▪ RAJARAJESWARI COLLEGE OF ENGINEERING, KUMBALGOD, BANGALORE</li></ul>
128.	37S0987	HYBRID POWER GENERATION USING SOLAR AND WIND ENERGY <ul style="list-style-type: none"><li>▪ RAO BAHADUR Y. MAHABALESHWARAPPA ENGINEERING COLLEGE, BELLARY</li></ul>
129.	37S0315	WIFI AMQUTION TO CHARGE PACEMAKER <ul style="list-style-type: none"><li>▪ SHIRDI SAI ENGINEERING COLLEGE, BANGALORE</li></ul>
130.	37S1347	AUTOMATIC CONTROL USING RF ID SYSTEM FOR TOLL COLLECTION POWERED BY COMPOUND POWER GENERATION FROM SPEED BREAKERS AND SOLAR CELLS WITH GSM TECHNOLOGY <ul style="list-style-type: none"><li>▪ SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR</li></ul>
131.	37S0056	POWER GENERATION USING LOAD SENSORS AND SOLAR PANELS IN AUTOMATED TOLL GATE SYSTEM <ul style="list-style-type: none"><li>▪ SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR</li></ul>
132.	37S1211	ELECTRICAL ENERGY CONSERVATION SYSTEM USING LED WITH LIFI VISIBLE LIGHT COMMUNICATION <ul style="list-style-type: none"><li>▪ STJ INSTITUTE OF TECHNOLOGY, RANEBENNUR</li></ul>
133.	37S1106	PERMANENT MAGNET PLSE MOTOR-GENERATOR TO GENERATE ELECTRIC POWER AND CHARGE THE BATTERIES WITH FREE ENERGY CHARGING SYSTEMS <ul style="list-style-type: none"><li>▪ VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSORE</li></ul>

## MECHATRONICS ENGINEERING

168.	37S0998	ALL TERRAIN SURVELLIANCE ROBOT <ul style="list-style-type: none"><li>▪ ACHARYA POLYTECHNIC, BANGALORE</li></ul>
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**VENUE : CLITE BUILDING, COMPUTER SCIENCE / INFORMATION SCIENCE LAB**

JURIES : DR. M. KRISHNA KUMAR  
Principal Research Scientist, DESE, Indian Institute of Science

DR. U. J. SHENOY  
Principal Research Scientist, Electrical Engineering, Indian Institute of Science

**ELECTRONICS AND COMMUNICATION ENGINEERING**

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
134.	37S1318	GPS BASED LAND SURVEY SYSTEM USING QUAD-COPTER UNNAMED AERIAL VEHICLE (UAV) ▪ ACHARYA INSTITUTE OF TECHNOLOGY, SOLADEVANAHALLI, BANGALORE
135.	37S1123	EYEVOICE: EYE CONTROLLED ASSISTIVE TECHNOLOGY FOR ALS PATIENTS ▪ BMS INSTITUTE OF TECHNOLOGY, YELAHANKA, BANGALORE
136.	37S0814	INTEGRATED SCADA-BASED APPROACH FOR PIPELINE SECURITY AND OPERATION ▪ CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI
137.	37S0819	PLC BASED ADVANCED WATER DISTRIBUTION SYSTEM ▪ CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI
138.	37S0971	EMBEDDED SYSTEM BASED FUEL GAUGE AND DIGITALIZATION OF VEHICLES ▪ GM INSTITUTE OF TECHNOLOGY, DAVANGERE
139.	37S1335	VEHICLE TRACKING ALONG WITH THE ADVANCED RTO TECHNOLOGY ▪ JAIN COLLEGE OF ENGINEERING, BELGAUM
140.	37S1336	WIRELESS POWER TRANSFER (ELECTRICITY OUT OF THIN AIR) ▪ JAIN COLLEGE OF ENGINEERING, BELGAUM
141.	37S1291	ARDUINO-BASED QUADCOPTER WITH OBSTACLE AVOIDANCE FEATURE ▪ K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE
142.	37S0273	CROP ROTATION CONTROL AND BIRD PREDATION CONTROL BASED AUTOMATIC IRRIGATION SYSTEM ▪ MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI
143.	37S0166	UNMANNED MOBILE PATROL VEHICLE FOR HOYSALA ▪ MS RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE
144.	37S0862	AUTHENTICATION USING FINGER VEIN RECOGNITION ▪ PA COLLEGE OF ENGINEERING, MANGALORE
145.	37S0926	SELF BALANCING PERSONAL TRANSPOTER ▪ PA COLLEGE OF ENGINEERING, MANGALORE
146.	37S0918	WIRELESS ANIMATRONIC ROBOTIC ARM ▪ PA COLLEGE OF ENGINEERING, MANGALORE
147.	37S1004	AUTOMATED VERMICOMPOST PLANT ▪ PES INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA
148.	37S1003	AUTOMATIC SPEED LIMITER AND RELIEVER FOR AUTOMOBILES ▪ PES INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA
149.	37S1424	SMART WATER METER ▪ SCHOOL OF ENGINEERING AND TECHNOLOGY, JAIN GLOBAL CAMPUS, RAMANAGARA
150.	37S0430	WIRELESS BLACK BOX USING MEMS ACCELEROMETER AND GPS TRACKING FOR VEHICLES ▪ SG BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELGAUM
151.	37S1343	REAL TIME DOPPLER AND SAR RADAR SYSTEM ▪ SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR

152.	37S1037	BUS PILE UP AVOIDNACE SYSTEM (BPAS) ▪ SJC INSTITUTE OF TECHNOLOGY, CHICKBALLAPUR
153.	37S0538	QUICK-ON, AN AUTOMATION OF EXISTING TICKET METER ▪ SKSVMA COLLEGE OF ENGINEERING AND TECHNOLOGY, LAXMESHWAR, GADAG
154.	37S0885	WIFIPI-CAMPUS NEWS (LIVE) ▪ SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALORE
155.	37S1422	SOLAR BASED MOBILE CHARGER ▪ ST. JOSEPHS ENGINEERING COLLEGE, VAMANJOOR, MANGALORE
156.	37S0363	ADAPTIVE LIGHTING SYSTEM FOR AUTOMOBILES ▪ VIDYA VIKAS INSTITUTE OF ENGINEERING AND TECHNOLOGY, MYSORE

### **VENUE : MAIN LIBRARY (CLITE BUILDING)**

JURIES : DR. N. V. CHALAPATHY RAO  
Principal Research Scientist, DESC, Indian Institute of Science, Bangalore

DR. V. R. RANGANATH  
Chief Scientist, National Aerospace Laboratories, Bangalore

SHRI A. R. SHIVAKUMAR  
Senior Fellow, Karnataka State Council for Science and Technology

### **TELECOMMUNICATION ENGINEERING**

203.	37S1070	ROBOTIC SURVELLIANCE ▪ PES INSTITUTE OF TECHNOLOGY, BANGALORE
204.	37S1390	ECONOMICAL HEART RATE MEASUREMENT DEVICE WITH REMOTE MONITORING USING FINGERTIP ▪ SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR

### **MECHANICAL ENGINEERING**

169.	37S1305	MECHANICAL AND THERMAL PROPERTIES OF NANOCLAY DISPERSED BIODEGRADABLE POLYMER NANO-COMPOSITES FOR PACKAGING APPLICATIONS ▪ ACS COLLEGE OF ENGINEERING, BANGALORE
170.	37S1304	MECHANICAL PROPERTIES EVALUATION OF NATURAL FIBERS REINFORCED BIO-COMPOSITES AND FABRICATION OF A BIO-COMPOSITE TELEPHONE STAND(ARECA FIBERS, SISAL FIBERS COCONUT COIR AND JUTE MAT AS REINFORCEMENTS) ▪ ACS COLLEGE OF ENGINEERING, BANGALORE
171.	37S0033	DESIGN AND FABRICATION OF VERTICAL WIND TURBINE FOR POWER GENERATION AT HIGHWAY MEDIANS ▪ BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
172.	37S1423	NON-CONVENTIONAL CUTTING OF PLATE GLASS USING HOT AIR JET MIXED WITH ABRASIVES ▪ BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
173.	37S0751	PIEZOELECTRIC CONTROL HYDRAULIC STACKS FOR CAMLESS ENGINE ▪ BASAVAKALYAN ENGINEERING COLLEGE, BASAVAKALYAN, BIDAR
174.	37S1372	LOW NOISE MIXER JAR ▪ BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT

175.	37S0594	DESIGN & DEVELOPMENT OF LOW COST SOLAR POWERED MULTIPURPOSE DOMESTIC DESIRE MACHINE ▪ BHEEMANNA KHANDRE INSTITUTE OF TECHNOLOGY, BHALKI, BIDAR
176.	37S1127	FABRICATION OF SMART BICYCLE ▪ BMS INSTITUTE OF TECHNOLOGY, YELAHANKA, BANGALORE
177.	37S0108	DESIGN, FABRICATION AND PERFORMANCE TEST ON SOLAR STIRLING ENGINE ▪ BTL INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BANGALORE
178.	37S0394	PERFORMANCE EVALUATION OF BIOMASS STOVE-THERMOELECTRIC GENERATOR WITH PHASE CHANGE MATERIAL ▪ BTL INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BANGALORE
179.	37S0158	EXOSKELETON FOR HUMAN PERFORMANCE AUGMENTATION ▪ BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
180.	37S1171	STUDY OF PARBOLIC TROUGH COLLECTOR FOR TAPPING SOLAR ENERGY ▪ DAYANANDA SAGAR COLLEGE OF ENGINEERING, BANGALORE
181.	37S0071	MAGNETIC LEVITATION CAR ▪ DR. MV SHETTY INSTITUTE OF TECHNOLOGY, MOODBIDRI
182.	37S0915	EXTRACTION OF WATER FROM ATMOSPHERIC MOISTURE ▪ KALPATARU INSTITUTE OF TECHNOLOGY, TIPTUR
183.	37S0868	HAND ACTUATED TILLER COUPLED WHEEL CHAIR FOR HANDICAPPED PEOPLE ▪ KLE SOCIETY'S KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI
184.	37S1275	DRIVING ACCESSORY FOR HANDICAPPED ▪ KLS GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
185.	37S0492	SOLAR SEED SPRAYER + GRASS CUTTER + VACCUM CLEANER IN A SINLGE UNIT ▪ KLS GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
186.	37S1087	DESIGN AND FABRICATION OF DRY COCONUT SHELL BREAKING MACHINE ▪ MALNAD COLLEGE OF ENGINEERING, HASSAN
187.	37S0286	DESIGN AND FABRICATION OF THERMOACOUSTIC REFRIGERATION SYSTEM ▪ MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI
188.	37S0284	REMOTE CONTROLLED HEXACOPTER BASED PESTICIDE SPRAYER ▪ MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOODBIDRI
189.	37S0665	WRINKLE FREE TUBE BENDING MACHINE ▪ MARATHA MANDAL'S ENGINEERING COLLEGE, BELGAUM
190.	37S0925	EXPERIMENTAL STUDY OF EXOSKELETON FOR ANKLE AND KNEE JOINT ▪ NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE
191.	37S0786	DESIGN AND FABRICATION OF AGARBATTI COUNTING AND PACKING MACHINE ▪ NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA
192.	37S0919	DESIGN AND BUILDING OF A MECHANICAL FLUID FLOW SYSTEM FOR WASTE WATER RECYCLING FOR USE OF FLUSHING AND GARDENING ▪ SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE
193.	37S0170	MULTIUTILITY SOLAR ENERGY CONCENTRATOR ▪ SHAIKH COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM
194.	37S0546	BEACH CLEANING EQUIPMENT ▪ SHREE DEVI INSTITUTE OF TECHNOLOGY (SDIT), KENJAR, MANGALORE
195.	37S0545	PASSENGER ALIGHTING SYSTEM FROM MOVING TRAIN ▪ SHREE DEVI INSTITUTE OF TECHNOLOGY (SDIT), KENJAR, MANGALORE
196.	37S0199	DEVELOPMENT OF FORCED CONVECTION SOLAR ONION DRYER ▪ SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, UDUPI
197.	37S0167	DESIGN AND ANALYSIS OF COMPRESSORLESS SOLAR REFRIGERATOR ▪ SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

198.	37S0913	LOG SPLITTER ▪ SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALORE
199.	37S0914	SOLAR POWER ACTUATED DRIER ▪ SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALORE
200.	37S1217	BICYCLE MADE USING BAMBOO & COMPOSITE MATERIALS ▪ STJ INSTITUTE OF TECHNOLOGY, RANEBENNUR
201.	37S0988	COST EFFECTIVE COOLING ATACHMENT TO CEILING FAN ▪ THE OXFORD COLLEGE OF ENGINEERING, BANGALORE
202.	37S0386	DESIGN AND FABRICATION OF DOMESTIC PLASTIC WASTE GRANULATING MACHINE ▪ VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR

### **INDUSTRIAL AND PRODUCTION ENGINEERING**

158.	37S0137	CEREAL CROPS HARVESTING EQUIPEMENT ▪ BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
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**HALL NO. 7 – Venue : MAIN LIBRARY (CLITE BUILDING)**

**BIOFUEL PROJECTS – POSTERS DISPLAY**

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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (KSCST), BANGALORE  
and  
B.V. BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI

**37<sup>th</sup> Series - Seminar and Exhibition of Student Project Programme**  
**28th and 29th July 2014**

Date : Tuesday, 29<sup>th</sup> July 2014

Time: 3.00 PM

**VALEDICTORY FUNCTION**

**03.00 PM – 03.05 PM Invocation**

**03.05 PM – 03.10 PM Welcome Address by  
Prof. B. L. Desai**

Vice-Principal, B.V. Bhoomaraddi College of Engineering and Tech., Hubli

**03.10 PM – 03.15 PM Address by  
Dr. M. Prithviraj**

Executive Secretary  
Karnataka State Council for Science and Technology, Bangalore

**03.15 PM – 03.30 PM Valedictory Address by  
Dr. S. Seetharamu**

Director, Central Power Research Institute, Bangalore

**03.30 PM – 03.50 PM Guests of Honour  
Dr. Amitha Gill**

Director, Rajasthan State Council for Science and Technology, Jaipur

**03.50 PM – 04.00 PM Presidential Address by  
Dr. Ashok S. Shettar**

Principal, B.V. Bhoomaraddi College of Engineering and Technology, Hubli

**04.00 PM – 04.10 PM Response by faculty and students**

**04.10 PM – 04.25 PM Presentation of Awards**

**04.25 PM – 04.30 PM Vote of Thanks  
Prof. Veeresh Angadi**

Department of Automobile Engineering,  
B.V. Bhoomaraddi College of Engineering and Technology, Hubli

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