

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (KSCST), BANGALORE  
and  
ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELGAUM

36<sup>th</sup> Series - Seminar and Exhibition of Student Project Programme  
30<sup>th</sup> and 31<sup>st</sup> August 2013

Date : 30th August 2013

Time: 10.00 AM

Venue : ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELGAUM

**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 – 10.10 AM</b>	<b>Welcome Address</b> Dr. U. S. Hampannavar Principal & Director, Angadi Institute of Technology and Management
<b>10.10 AM – 10.15 AM</b>	<b>Introductory Remarks - SPP</b> Dr. S. G. Sreekanteswara Swamy Fellow, Karnataka State Council for Science and Technology
<b>10.15 AM – 10.20 AM</b>	<b>Address by</b> Prof. M. S. Mohan Kumar Secretary, Karnataka State Council for Science and Technology and Professor, Department of Civil Engineering, Indian Institute of Science
<b>10.20 AM – 10.35 AM</b>	<b>Inaugural Address by Chief Guest</b> Padmashri Dr. T. S. Prahlad Distinguished Scientist and Former Director, National Aerospace Laboratories, Bangalore
<b>10.35 AM – 10.45 AM</b>	<b>Address by Guest of Honor &amp; Release of SPP Engineering Compendium</b> Dr. H. Maheshappa Vice Chancellor, Visvesvaraya Technological University, Belgaum
<b>10.45 AM – 10.55 AM</b>	<b>Address by Guest of Honor &amp; Release of SPP Biofuel Compendium</b> Prof. V.R. Ananthan Vice Chancellor, Rani Channamma University, Belgaum
<b>10.55 AM – 11.05 AM</b>	<b>Address by Guest of Honor</b> Shri Rajendra Harkuni President, Belgaum Chamber of Commerce and Industries, Belgaum
<b>11.05 AM – 11.15 AM</b>	<b>Presidential Remarks</b> Shri Suresh C. Angadi Chairman, Angadi Institute of Technology & Management, Belgaum and Member of Parliament, Belgaum

- 11.15 AM – 11.20 AM**      **Vote of Thanks**  
**Dr. M. Prithviraj**  
 Executive Secretary,  
 Karnataka State Council for Science and Technology, Bangalore
- 12.00 Noon – 01.00 PM**      **Lecture - 1**
- 01.00 PM - 02.00 PM**      **Lunch**
- 02.00 PM – 05.30 PM**      **Students' Seminar and Projects Exhibition**

## **TECHNICAL SESSIONS**

**Friday, 30<sup>th</sup> August, 2013**

**12.00 Noon – 1.00 PM LECTURE – 1**

**By**      **Dr. Mangala Sunder Krishnan**  
 Department of Chemistry  
 Indian Institute of Technology Madras, Chennai

**Topic: ICT enabled teaching - learning strategies in science & engineering**

**Venue : Angadi Institute of Technology and Management, Belgaum**

## **SEMINAR**

**SESSION 1**

**Friday, 30<sup>th</sup> August, 2013**

**Venue : MBA Room No. 1, I Floor, AIT & M, Belgaum**

**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

## **ENVIRONMENTAL ENGINEERING**

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
55.	36S0249	PERFORMANCE EVALUATION OF TWO BATCH OPERATIONS USING SEQUENTIAL BATCH REACTOR AND ELECTRO COAGULATION IN TREATING COFFEE WASTE WATER - ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
56.	36S1323	EVALUATION OF CHITOSAN IN DIFFERENT FORMS FOR REMOVAL OF NITRATE, FLOURIDE AND BACTERIOLOGICAL CONTAMINANTS FROM GROUNDWATER - SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE
57.	36S1230	CANDLE BUSH AND DATE SEEDS AS NATURAL COAGULANTS : A FEASIBILITY STUDY - VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSORE

## CIVIL ENGINEERING

23.	36S0204	STUDY OF LIGHT WEIGHT CONCRETE AND MAKING OF PANELS AND BLOCKS USING LOCALLY AVAILABLE INDUSTRIAL BY-PRODUCTS - RAO BAHADUR Y. MAHABALESHWARAPPA ENGINEERING COLLEGE, BELLARY
24.	36S0966	STUDY OF THE PROPERTIES OF CONCRETE CONTAINING COPPER SLAG AS A FINE AGGREGATE - RURAL ENGINEERING COLLEGE, HULKOTI
25.	36S0917	EFFECTIVE UTILIZATION OF GRANITE FINES IN BUILDING - RV COLLEGE OF ENGINEERING, BANGALORE
26.	36S0945	STUDY ON INNOVATIVE APPLICATIONS IN BACTERIAL CONCRETE - RV COLLEGE OF ENGINEERING, BANGALORE
27.	36S1136	ENHANCEMENT OF SOIL SUBGRADE USING LDPE AS REINFORCEMENT - SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD
28.	36S1137	UTILIZATION OF WASTE RUBBER TYRES IN FLEXIBLE PAVEMENTS - SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD
29.	36S1292	USE OF INDUSTRIAL BY PRODUCTS AND MANUFACTURED SAND IN CONCRETE DESIGNED FOR DURABILITY - SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE
30.	36S0283	EXPERIMENTAL STUDY ON FLYASH BRICKS - STJ INSTITUTE OF TECHNOLOGY, RANEBENNUR
31.	36S0700	STUDIES ON STABILIZED ADOBE FOR LOW ENERGY MASONARY BUILDINGS - THE NATIONAL INSTITUTE OF ENGINEERING, MYSORE

## CERAMIC AND CEMENT TECHNOLOGY

7.	36S1049	SYNTHESIS OF ZEOLITE FROM WASTE PORCELAIN - PDA COLLEGE OF ENGINEERING, GULBARGA
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## SESSION 2

**Friday, 30<sup>th</sup> August, 2013**

**Venue : MBA Room No. 2, I Floor, AIT & M, Belgaum**

Time : 02.00 PM – 05.30 PM

Chairman : Prof. K. S. Jagadesh

Department of Civil Engineering, Indian Institute of Science, Bangalore

## CIVIL ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
13.	36S0099	DESIGN OF SELF COMPACTING CONCRETE ACCORDING TO JAPANESE STANDARDS AND USE OF FLYASH AS REPLACEMENT TO CEMENT - ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI
14.	36S1395	DETAILED PROJECT REPORT FOR THE PHASE 1 OF OUTER RING ROAD FOR BELGAUM CITY - ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELGAUM
15.	36S0171	EMBODIED ENERGY AND OPERATIONAL ENERGY AUDITING OF AN INSTITUTIONAL BUILDING - BMS COLLEGE OF ENGINEERING, BASAVANAGUDI, BANGALORE

16.	36S1192	AN INNOVATIVE STEP TOWARDS THE DEVELOPMENT OF FLOATING CONCRETE - BMS COLLEGE OF ENGINEERING, BASAVANAGUDI, BANGALORE
17.	36S0886	SOIL STABILIZATION USING LIQUID POLYMER - BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
18.	36S0910	AN EXPERIMENTAL INVESTIGATION ON SLURRY INFILTRATED HYBRID FIBRE REINFORCED CONCRETE - GOVERNMENT ENGINEERING COLLEGE, HAVERI
19.	36S1387	EXPERIMENTAL INVESTIGATION ON LATERALLY LOADED PILES IN MULTI LAYERED COHESIONLESS SOILS - GOVERNMENT ENGINEERING COLLEGE, HAVERI
20.	36S0141	EFFECTS OF ADDITIVES ON PHYSICAL PROPERTIES OF SOIL - GOVERNMENT ENGINEERING COLLEGE, RAICHUR
21.	36S0474	TARGETING AND EVALUATING GROUND WATER RESERVES IN HARDROCK TERRAINS USING INTEGRATED GEOSPATIAL MAPPING FOR SUSTAINABLE DEVELOPMENT - NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA
22.	36S1045	STUDY ON THE PROPERTIES OF GEOPOLYMER CONCRETE USING WASTE MATERIALS (GARNITE CHIPS AS COARSE AGGREGATE AND GRANITE DUST AS FINE AGGREGATE) - PDA COLLEGE OF ENGINEERING, GULBARGA

### SESSION 3

**Friday, 30<sup>th</sup> August, 2013**

**Venue : Room No. 5, I Floor, AIT & M, Belgaum**

Time : 02.00 PM – 05.30 PM

Chairman : Shri S. V. Gopalaiah  
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
32.	36S1393	MINI SEARCH ENGINE - ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELGAUM
33.	36S0218	X - SAFE HELMET - GOVERNMENT ENGINEERING COLLEGE, HAVERI
34.	36S1122	A NOVEL SYSTEM FOR SCHEDULING STREAMING VIDEOS BASED ON IMAGE MATCHING - JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA
35.	36S1400	PACKET-HIDING METHODS FOR PREVENTING SELECTIVE JAMMING ATTACKS - JSS ACADEMY OF TECHNICAL EDUCATION, BANGALORE
36.	36S1075	A TEST AUTOMATION FRAMEWORK BASED ON WEB - PDA COLLEGE OF ENGINEERING, GULBARGA
37.	36S1254	EMBEDDED DRIVING ANALYSIS SYSTEM - PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET
38.	36S1260	CREDIT CARD FRAUD DETECTION USING HIDDEN MARKOV MODEL - PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET
39.	36S1396	STAGANDROID - AN ANDROID APPLICATION ON STEGANOGRAPHY - RAJARAJESWARI COLLEGE OF ENGINEERING, KUMBALGOD, BANGALORE

40.	36S0360	REAL TIME TRAFFIC LIGHT CONTROL USING IMAGE PROCESSING - SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE
41.	36S0816	CROSS REFERENTIAL EVALUATION USING TOKEN BASED AUTHENTICATION SYSTEM FOR SIM CARD ACTIVATION - SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR
42.	36S0398	ELECTRONIC PROGRESSIVE BRAILLE LEARNING KIT (ANY LANGUAGE) FOR ALL LEVEL OF EDUCATION WITH TRAVELLING AID FOR BLIND - SKSVMA COLLEGE OF ENGINEERING AND TECHNOLOGY, LAXMESHWAR, GADAG
43.	36S0383	A GENERALIZED RECOGNITION SYSTEM FOR HAND WRITTEN CHARACTER RECOGNITION - T. JOHN INSTITUTE OF TECHNOLOGY, BANGALORE

#### SESSION 4

**Friday, 30<sup>th</sup> August, 2013**

**Venue : Room No. 6, I Floor, AIT & M, Belgaum**

Time : 02.00 PM – 05.30 PM

Chairman : Dr. R.P.S. Chakradhar

Principal Scientist, National Aerospace Laboratories, Bangalore

#### INFORMATION SCIENCE AND ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
59.	36S0070	OFF-LINE HANDWRITTEN DEVANAGARI NUMERALS RECOGNITION FOR POSTAL AUTOMATION - ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOOBBIDRI
60.	36S0186	SPAM DETECTION MECHANISM BASED ON HONEY POT CLASSIFIER AND BAYESIAN FILTER - KLE SOCIETY'S KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI
61.	36S1196	TRANSPORTATION MEDIA INFORMER - SAI VIDYA INSTITUTE OF TECHNOLOGY, BANGALORE
62.	36S0395	KMF AUTOMATION - PROVIDING AUTOMATION TO MILK FEDERATION - SKSVMA COLLEGE OF ENGINEERING AND TECHNOLOGY, LAXMESHWAR, GADAG
63.	36S0372	REMOTE VOTING SYSTEM USING VISUAL CRYPTOGRAPHY - VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSORE

#### SESSION 5

**Friday, 30<sup>th</sup> August, 2013**

**Venue : Room No. 7, I Floor, AIT & M, Belgaum**

Time : 02.00 PM – 05.30 PM

Chairman : Dr. V. P. S. Naidu

Principal Scientist, National Aerospace Laboratories, Bangalore

#### ELECTRONICS AND COMMUNICATION

49.	36S0253	INTELLIGENT FAULT IDENTIFICATION SYSTEM FOR TRANSMISSION LINES USING ARTIFICIAL NEURAL NETWORK - BMS INSTITUTE OF TECHNOLOGY, YELAHANKA, BANGALORE
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50.	36S0133	AUTOMATED DIAGNOSIS OF GLAUCOMA - CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI
51.	36S1348	OPTIMAL DESIGN AND CHARACTERIZATION OF OPTICAL ANTENNA FOR SPECTROSCOPY - MALNAD COLLEGE OF ENGINEERING, HASSAN
52.	36S0922	A LOW POWER CONTENT ADDRESSABLE MEMORY FOR NETWORKING APPLICATIONS - PES INSTITUTE OF TECHNOLOGY, BANASHANKARI III STAGE, BANGALORE
53.	36S1414	ANALOG VLSI IMPLEMENTATION OF ARTIFICIAL NEURAL NETWORK - RAJEEV INSTITUTE OF TECHNOLOGY, HASSAN
54.	36S0292	CROP CLASSIFICATION WITH HYPER SPECTRAL DATA USING DIFFERENT FEATURE EXTRACTION TECHNIQUES - STJ INSTITUTE OF TECHNOLOGY, RANEBENNUR

## TELECOMMUNICATION ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
77.	36S1232	CONTEST BASED IMAGE RETRIEVAL FOR PROCESSING HERITAGE IMAGES - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
78.	36S1314	UNIQUE TECHNIQUE FOR VIDEO STEGANOGRAPHY - SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR

## SESSION 6

**Friday, 30<sup>th</sup> August, 2013**

**Venue : Room No. 8, I Floor, AIT & M, Belgaum**

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
44.	36S0232	GENERATION OF ELECTRICITY USING BIO GAS AS A FUEL GENERATOR - ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
45.	36S0255	DISTRIBUTION SYSTEM IMPROVEMENT (CASE STUDY OF HUKKERI SUB-STATION) - ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELGAUM
46.	36S0809	A IGBT BASED H-BRIDGE CONFIGURATION FOR WIDE RANGE SPEED CONTROL OF DC MOTOR - KLE INSTITUTE OF TECHNOLOGY, HUBLI
47.	36S0355	GREEN POWER STORAGE AND GENERATION BY LIQUID NITROGEN - SG BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELGAUM
48.	36S1222	GENERATION OF ELECTRICAL ENERGY USING BOTH CONVENTIONAL AND NONCONVENTIONAL ENERGY SOURCES FOR RESIDENTIAL PURPOSES - VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSORE

## MEDICAL ELECTRONICS ENGINEERING

75.	36S1384	AN INTELLIGENT FULLTIME PATIENT PARAMETER MONITORING SYSTEM - SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR
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**SESSION 7**  
**Friday, 30<sup>th</sup> August, 2013**

**Venue : Room No. 14, II Floor, AIT & M, Belgaum**

Time : 02.00 PM – 05.30 PM

Chairman : Dr. K. Venkateswarlu  
Principal Scientist, National Aerospace Laboratories, Bangalore

**INDUSTRIAL PRODUCTION ENGINEERING**

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
58.	36S0342	MICRO MACHINING OF BRITTLE MATERIALS USING MIXED ELECTROLYTE IN ELECTROCHEMICAL DISCHARGE MACHINING - SJM INSTITUTE OF TECHNOLOGY, CHITRADURGA

**AUTOMOBILE ENGINEERING**

1.	36S0881	DESIGN AND FABRICATION OF HYDRO SILENCER - BV BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
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**MECHANICAL ENGINEERING**

64.	36S0546	FEA ANALYSIS OF MILLING MACHINE CHATTER VIBRATION USING MECHANICAL DAMPER - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
65.	36S0744	CHARACTERIZATION OF PHYSICAL, MECHANICAL AND THERMAL PROPERTIES OF NATURAL FIBER AND GLASS FIBER REINFORCED POLYMER HYBRID COMPOSITES - BV BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
66.	36S0753	FOUR WHEEL STEERING SYSTEM - HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI, BELGAUM
67.	36S0130	MECHANISATION OF SPIRULINA PRODUCTION AND INTEGRATING THE LOCAL TECHNOLOGY TO IMPROVE THE PRODUCTION - HMS INSTITUTE OF TECHNOLOGY, TUMKUR

**SESSION 8**  
**Friday, 30<sup>th</sup> August, 2013**

**Venue : Room No. 15, II Floor, AIT & M, Belgaum**

Time : 02.00 PM – 05.30 PM

Chairman : Dr. Ranganathan  
Principal Scientist, National Aerospace Laboratories, Bangalore

**MECHANICAL ENGINEERING**

68.	36S0987	HAND GESTURED CONTROLLED MOBILE MACHINE ARM - JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA
69.	36S0363	BIOGAS FROM BIO - DEGRADABLE KITCHEN WASTE - SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE

70.	36S0929	DUAL CYLINDER AIR COMPRESSED CAR - SHIRDI SAI ENGINEERING COLLEGE, BANGALORE
71.	36S0930	DESIGN AND RE - FABRICATION OF CONTESSA CAR, HINDUSTAN MOTOR, BASED ON "FOREIGN COLLABORATION OVER INDIAN AUTOMOTIVE INDUSTRIES - SHIRDI SAI ENGINEERING COLLEGE, BANGALORE
72.	36S0641	STUDIES ON SINTERING CHARACTERISTICS OF NANO SILVER DOPED WITH COLLOIDAL SILICA - SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE
73.	36S0654	DESIGN AND CONSTRUCTION OF A WIND TUNNEL FOR THE STUDY OF AEROFOILS - ST. JOSEPHS ENGINEERING COLLEGE, VAMANJOOR, MANGALORE
74.	36S0168	OPTIMIZATION OF PRESSURE COMPENSATED DRIP EMITTERS - THE OXFORD COLLEGE OF ENGINEERING, BANGALORE

## SESSION 9

**Friday, 30<sup>th</sup> August, 2013**

**Venue : Room No. 9, I Floor, AIT & M, Belgaum**

Time : 02.00 PM – 05.30 PM

Chairman : Dr. J. R. Mudakavi

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

## CHEMICAL ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
8.	36S0523	INVESTIGATIONS ON EXTRACTION, PHYTOCHEMICAL AND PHARMACOLOGICAL STUDIES ON ACTIVE CONSTITUENTS OF ANDROGRAPHIS PANICULATA (KALMEGH) - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
9.	36S0004	DEFLUORIDATION OF DRINKING WATER USING BRICKS - BHEEMANNA KHANDRE INSTITUTE OF TECHNOLOGY, BHALKI, BIDAR
10.	36S0258	OPTIMIZATION STUDIES FOR REMOVAL OF PHENOL FROM SYNTHETIC AND WASTE WATER USING ACTIVATED SAWDUST USING FACTORIAL DDESIGN (KINETICS AND ISOTHERM STUDIES) - KLE SOCIETY'S KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, UDYAMBAG, BELGAUM
11.	36S0489	WASTE WATER TREATMENT USING NANOPARTICLES - SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD
12.	36S1241	AN EFFICIENT PROTOCOL FOR THE SYNTHESIS OF N PROTECTED B AMINO ALCOHOLS AND PEPTIDYL ALCOHOLS BY EMPLOYING - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR EDC/TDC/HBTC

## TEXTILE ENGINEERING

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
79.	36S0554	STUDY OF KNITTED FABRICS MADE FROM COMPACT YARN WITH DIFFERENT TWIST MULTIPLIERS ITS EFFECT - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE



## SESSION 10

Friday, 30<sup>th</sup> August, 2013

Venue : Room No. 16, II Floor, AIT & M, Belgaum

Time : 02.00 PM – 05.30 PM

Chairman : Prof. B. B. Kaliwal  
Department of Biotechnology and Microbiology,  
Karnataka University, Dharwad

### BIOTECHNOLOGY

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
2.	36S0559	EVALUATION OF ANTIOXIDANT AND ANTIMICROBIAL ACTIVITY OF LEAVES AND FRUITS OF MUNTINGIA CALABURA - GM INSTITUTE OF TECHNOLOGY, DAVANGERE
3.	36S0339	EXTRACTION OF POLYSACCHARIDES FROM VEGETABLE WASTES AND CHEMICAL PHYSICAL ANALYSES FOR THEIR ECO-FRIENDLY RE-USE - NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE
4.	36S0958	GREEN WASTE TECHNOLOGY FOR FISH PROCESSING INDUSTRIES - PA COLLEGE OF ENGINEERING, MANGALORE
5.	36S1117	PRODUCTION OF ENRICHED "DESIGNER FOODS" – YOGHURT - RV COLLEGE OF ENGINEERING, BANGALORE
6.	36S1248	INVESTIGATION OF RHIZOME ACTIVE COMPOUNDS OF AN ETHNOMEDICINAL PLANT AGAINST ALPHA-SYNEUCLEIN INVOLVED IN THE NEURODEGENERATIVE PARKINSONISM BY STRUCTURE BASED DRUG DESIGN AND TETRAMER STRUCTURE DEVELOPMENT - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

### POLYMER SCIENCE AND TECHNOLOGY

76.	36S1290	INVESTIGATION ON OPTOELECTRICAL BEHAVIOURS OF CONDUCTING POLYMER COATED LITHIUM ZIRCONIUM OXIDE NANO STRUCTURED FILLER LOADED POLYVINYL ALCOHOL NANO COMPOSITES FOR SOLAR CELL APPLICATIONS - SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE
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## SESSION 11 : SEMINAR ON BIOFUEL PROJECTS

Friday, 30<sup>th</sup> August, 2013

**Venue : Room No. 17, II Floor, AIT & M, Belgaum**

Time : 02.00 PM – 06.00 PM

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

### B.E. Projects on Biofuels

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
1.	36S_B_BE_014	INVESTIGATION ON EFFECTS OF MICROWAVE PRE-TREATMENT ON YIELD AND QUALITY OF RUBBER SEED OIL FOR BIO-DIESEL ACTIVITIES - BAPULI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANAGERE
2.	36S_B_BE_017	PRODUCTION OF BIODIESEL (MAHUA OIL METHYL ESTER) USING HETEROGENEOUS BASE CATALYSED TRANSESTRIFICATION - H.M.S INSTITUTE OF TECHNOLOGY, TUMKUR
3.	36S_B_BE_033	WASTE PALM SLUDGE OIL AS A RENEWABLE SOURCE OF BIODIESEL PRODUCTION - SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE
4.	36S_B_BE_036	PRODUCTION OF MICROBIAL OIL, BY OLEAGINOUS ALGAE USING AGRO-INDUSTRIAL WASTE WATER (EFFLUENT) - G M INSTITUTE OF TECHNOLOGY, DAVANAGERE
5.	36S_B_BE_044	NEW CONCEPT DEVELOPMENT AND REDESIGN OF OIL EXPELLER FOR PONGAMIA SEEDS - R.V. COLLEGE OF ENGINEERING, BANGALORE
6.	36S_B_BE_052	PRODUCTION OF BIO DIESEL FROM WASTE TRASH FISH AND PERFORM MILEAGE AND EMISSION TEST ON VARIOUS BLENDS IN A DIESEL ENGINE - S.T.J INSTITUTE OF TECHNOLOGY. RANEBENNUR
7.	36S_B_BE_061	PRODUCTION OF BIOETHANOL FROM HITHERTO UNDERUTILIZED AGRO WASTE (FIELD BEAN/GREEN PEAS PODS WASTE) INCORPORATING ZERO WASTE UTILIZATION TECHNIQUE - NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE
8.	36S_B_BE_067	TO FABRICATE A TEST RIG, CHARACTERIZE AND DETERMINE THE OXIDATION STABILITY OF INDIGENOUSLY DEVELOPED BIO DIESEL - THE NATIONAL INSTITUTE OF ENGINEERING, MYSORE
9.	36S_B_BE_070	DESIGN & FABRICATION OF AUTOMATED BIO DIESEL EXTRACTOR - JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA
10.	36S_B_BE_075	BIO-OIL CENTRIFUGE - SJM INSTITUTE OF TECHNOLOGY, CHITRADURGA

## SESSION 12 : SEMINAR ON BIOFUEL PROJECTS

Friday, 30<sup>th</sup> August, 2013

**Venue** : Function Hall - 2, III Floor, AIT & M, Belgaum

Time : 02.00 PM – 06.00 PM

Chair person : Prof. S. J. Patil  
Principal Scientist, University of Agricultural Sciences, Dharwad

### M.Sc., Projects on Biofuels

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
11.	36S_B_MSc_005	EFEFCT OF PONGAMIA CAKE ON BENEFICIAL SOIL MICROORGANISMS IN ARECA NUT PLANTATION - DAVANAGERE UNIVERSITY, DAVANAGERE
12.	36S_B_MSc_016	ANTIMICROBIAL ACTIVITY OF SECONDARY METABOLITES FROM NON-EDIBLE SEEDS - UNIVERSITY OF MYSORE, MYSORE
13.	36S_B_MSc_022	SURVEY AND DOCUMENTATION OF BIOFUEL RESOURCES IN SAMPAJE REGION OF KODAGU DISTRICT - COLLEGE OF FORESTRY, PONNAMPET
14.	36S_B_MSc_024	SURVEY AND DOCUMENTATION OF BIOFUEL RESOURCES IN MAKUTTA REGION OF KODAGU DISTRICT - COLLEGE OF FORESTRY, PONNAMPET
15.	36S_B_MSc_028	ISOLATION AND CHARACTERIZATION OF ALKALOIDS FROM NON EDIBLE SEED CAKES OF NEEM, PONGAMIA, JATROPHA AND SIMAROUBA COLLECTED FROM DIFFERENT BIOFUEL INFORMATION AND DEMONSTRATION CENTRE OF KARNATAKA - MAHARANI LAKSHMI AMMANI COLLEGE FOR WOMEN, BANGALORE

## SESSION 13 : Seminar on Biofuel Projects

Friday, 30<sup>th</sup> August, 2013

**Venue** : Room No. 24, III Floor, AIT & M, Belgaum

Time : 02.00 PM – 05.30 PM

Chairman : Prof. Udupi Shrinivasa  
Department of Mechanical Engineering,  
Indian Institute of Science

### M.Tech Projects on Biofuels

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
16.	36S_B_MTech_017	EXPERIMENTAL INVESTIGATION ON A DIESEL ENGINE FUELLED WITH NANOPARTICLES BLENDED BIODIESEL FUELS - B.V.B. COLLEGE OF ENGINEERING & TECHNOLOGY, HUBLI

17.	36S_B_MTech_004	ENGINE PERFORMANCE AND EMISSION CHARACTERISTICS OF SINGLE CYLINDER DIESEL ENGINE WORKING ON LIQUID FUELS PRODUCED FROM AGRICULTURAL PLASTIC WASTE - BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANAGERE
18.	36S_B_MTech_005	STUDIES ON STABILITY OF DIESEL BIODIESEL AND BUTANOL BLENDS AND EVALUATION OF PERFORMANCE OF DIESEL ENGINE WITH SELECTED BLENDS - BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANAGERE
19.	36S_B_MTech_023	PERFORMANCE AND EMISSION ANALYSIS OF SINGLE CYLINDER DIESEL ENGINE WITH VARYING INJECTION PRESSURE AND TIMING FUELLED WITH MESUA FERREA OIL AS BIO-DIESEL - BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANAGERE
20.	36S_B_MTech_001	PRODUCTION OF BIODIESEL FROM CUSTARD APPLE SEEDS AND PERFORMANCE STUDY ON CI ENGINE - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
21.	36S_B_MTech_025	CHARACTERIZATION OF BIO-DIESEL AND PERFORMANCE ANALYSIS OF CI ENGINES BY USING UPPAGE OIL METHYL ESTER - UBDTCE, DAVANAGERE

**06.30 PM – 08.00 PM Cultural Programme by students of AIT & M**

**Saturday, 31<sup>st</sup> August, 2013**

## **TECHNICAL SESSIONS**

**9.30 AM – 10.15 AM LECTURE – 2**

**By Padmashri Dr. T. S. Prahlad**  
Distinguished Scientist and Former Director, NAL, Bangalore

**Topic : “Indian Aerospace Scenario”**

**10.15 AM – 11.00 AM LECTURE – 3**

**By Prof. M. S. Mohan Kumar**  
Department of Civil Engineering, IISc and Secretary, KSCST

**Topic : “Towards Sustainable Urban Water Supply and Management”**

**Venue : Angadi Institute of Technology and Management, Belgaum**

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

**01.00 PM – 02.00 PM Lunch Break**

**03.30 PM – 05.00 PM VALEDICTORY FUNCTION**

36<sup>th</sup> Series - Seminar and Exhibition of Student Project Programme  
30<sup>th</sup> and 31<sup>st</sup> August 2013

## EXHIBITION PROJECTS

The panel of judges will evaluate these projects on 30<sup>th</sup> and 31<sup>st</sup> August 2013.

**Venue : AIT & M, Belgaum**

**HALL NO. 1 ( Venue : Computer Science Department, II Floor, AIT & M)**

CHAIRMAN : DR. M. KRISHNAKUMAR  
Principal Research Scientist, DESC, Indian Institute of Science

CO-CHAIRMAN : 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
85.	36S0106	DESIGN OF ADVANCED AUTO FARE SYSTEM - CANARA ENGINEERING COLLEGE, BANTWAL TQ, DAKSHINA KANNADA
86.	36S0853	NEW WAVELET AND COLOR FEATURES FOR TEXT DETECTION IN VIDEO - KVG COLLEGE OF ENGINEERING, SULLIA
87.	36S1258	IDENTIFICATION OF HUMAN USING GAIT - PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET
88.	36S0824	IMPLIMENTATION OF CLOUD COMPUTING TECHNOLOGY IN INDIAN RAILWAY - SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALORE
89.	36S0803	DEPLOYMENT OF GSM AND RFID TECHNOLOGIES FOR BUS TRACKING, MONITORING AND PASSENGER DENSITY DETECTION SYSTEM - SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR
90.	36S0420	DESIGN OF AUTOMATED CHANGE MACHINE (ACM)- A SOLUTION FOR DAY TO DAY LIFE - SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALORE
91.	36S0998	ANDROID ASSISTED REMOTE HOME CONTROL SYSTEM - THE NATIONAL INSTITUTE OF ENGINEERING, MYSORE

### INFORMATION SCIENCE AND ENGINEERING

140.	36S0073	LRAP : A LOCATION - BASED REMOTE CLIENT AUTHENTICATION PROTOCOL FOR MOBILE ENVIRONMENT - ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI
141.	36S0014	REQUISITE TRUST-BASED SECURE ROUTING PROTOCOL FOR MANETS - BHEEMANNA KHANDRE INSTITUTE OF TECHNOLOGY, BHALKI, BIDAR
142.	36S0182	INTELLIGENT HEART DISEASE PREDICTION SYSTEM USING DATA MINING TECHNIQUES - KLE SOCIETY'S KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI
143.	36S0462	MOBILE APPLICATION FOR BUS TRACKING - NMAM INSTITUTE OF TECHNOLOGY, NITTE, KARKALA

144.	36S0083	AUTOMATED DISTANCE AND AREA MEASUREMENT TECHNIQUE - SRI DHARMASTHALA MANJUNATHESHWARA INSTITUTE OF TECHNOLOGY, UJIRE
145.	36S0084	THE CLOUD PLAYER FOR WINDOWS 8. - SRI DHARMASTHALA MANJUNATHESHWARA INSTITUTE OF TECHNOLOGY, UJIRE

## **HALL NO. 2 (Venue : Civil Engineering Department, Basement, AIT & M)**

CHAIRMAN : DR. K. S. NANJUNDA RAO  
Principal Research Scientist, Dept., of Civil Engg., Indian Institute of Science

### **CIVIL ENGINEERING**

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
82.	36S0237	VALIDATION AND DEMONSTRATION MODEL FOR DYNAMICS OF MULTI STOREY FRAMES - GLOBAL ACADEMY OF TECHNOLOGY, BANGALORE
83.	36S0850	FLYASH MIXED LATERITE CEMENT BRICKS - KVG COLLEGE OF ENGINEERING, SULLIA
84.	36S1240	DESIGN EFFECIENT FLUSHING SYSTEM IN COMMODE TOILET - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

### **CONSTRUCTION TECHNOLOGY AND MANAGEMENT**

92.	36S0655	EDUCION OF COMPOSITE POLYETHYLENE KERB - AN EXODUS FROM THE USUAL - DAYANANDA SAGAR COLLEGE OF ENGINEERING, BANGALORE
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## **HALL NO. 2 (Venue : Civil Engineering Department, Basement, AIT & M)**

CHAIRMAN : PROF. B. S. RAJANIKANTH  
CO-CHAIRMEN : DR. SUBBA REDDY  
Department of Electrical Engineering, Indian Institute of Science

### **POLYMER SCIENCE AND TECHNOLOGY**

186.	36S1288	TERTIARY RECYCLING COMINGLED PLASTIC WASTE BY PYROLYSIS - SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE
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### **BIOMEDICAL ENGINEERING**

81.	36S0517	AN IN-VEHICLE DRIVER FATIGUE DETECTION AND ALARM SYSTEM - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
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### **INSTRUMENTATION TECHNOLOGY**

146.	36S1283	SOLDIER TRACKING AND INFORMATION GATHERING SYSTEM USING GPS AND GSM TECHNOLOGY - PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET
147.	36S1114	GPS BASED BORDER ALERT SYSTEM FOR FISHERMAN - RAO BAHADUR Y. MAHABALESHWARAPPA ENGINEERING COLLEGE, BELLARY

## HALL NO. 3 and 4 ( Venue : E&E and EC Department, First Floor, AIT&M)

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

CO-CHAIRMEN : DR. U. J. SHENOY  
Principal Research Scientist, Electrical Engineering, Indian Institute of Science

Mr. T. SHANKAR  
Consultant, Computer Science and Automation, Indian Institute of Science

### ELECTRICAL AND ELECTRONICS

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
93.	36S0862	HYBRID AUTORICKSHAW - ACHARYA INSTITUTE OF TECHNOLOGY, SOLADEVANAHALLI, BANGALORE
94.	36S1392	AXIAL FLUX INNER PERMANENT MAGNET MOTOR - ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELGAUM
95.	36S0439	REGENEDYNE MAGLEV WIND POWER GENERATION - BLDEA'S DR. PGH COLLEGE OF ENGINEERING AND TECHNOLOGY, BIJAPUR
96.	36S0365	ENERGY AUDITING OF S. C. E. CAMPUS AND IMPLEMENTATION OF AUTOMATION - SAPTHAGIRI COLLEGE OF ENGINEERING, BANGALORE
97.	36S0936	SMART HEATING USING A REFRIGERATOR - SHIRDI SAI ENGINEERING COLLEGE, BANGALORE

### ELECTRONICS AND COMMUNICATION

98.	36S0865	AUTOMATIC FOOD DISPENSING AND SENSING MACHINE FOR PETS - ACHARYA INSTITUTE OF TECHNOLOGY, SOLADEVANAHALLI, BANGALORE
99.	36S1214	BIOMETRIC AUTHENTICATION BASED SECURED MONEY TRANSACTION - ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
100.	36S0538	ADVANCED LPG SEVA KIT - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
101.	36S0252	PROSTHETIC LIMB CONTROL USING ADAPTIVE SIGNAL PROCESSING OF ELECTRON - MYOGRAM (EMG) SIGNALS - BMS INSTITUTE OF TECHNOLOGY, YELAHANKA, BANGALORE
102.	36S0692	COLLISION AVOIDING DEVICE FOR THE VISUALLY IMPAIRED - (C. A. D. V. I) - BMS INSTITUTE OF TECHNOLOGY, YELAHANKA, BANGALORE
103.	36S1006	HEAD MOVEMENT BASED VOICE ENABLED DEVICE FOR PHYSICALLY CHALLENGED - BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
104.	36S0786	ELECTRIC BOOTH - CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI
105.	36S0801	AUTOMATIC DETECTION OF EMERGENCY VEHICLES STUCK IN A TRAFFIC JAM - DON BOSCO INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
106.	36S0576	RFID AND GPS BASED PUBLIC TRANSPORT SYSTEM - GM INSTITUTE OF TECHNOLOGY, DAVANGERE
107.	36S0601	ULTRASONIC BASED PATH PLANNING AND SAFETY SYSTEMS TECHNIQUE FOR BLIND PERSONS - GM INSTITUTE OF TECHNOLOGY, DAVANGERE
108.	36S0764	DEVELOPMENT OF NON INVASIVE AND REAL TIME SYSTEM FOR ASSESSING THE DRIVER HYPO-VIGILANCE - GSSS INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, MYSORE
109.	36S0808	AUTOMATIC PACKING MACHINE USING EMBEDDED SYSTEM - KLE INSTITUTE OF TECHNOLOGY, HUBLI
110.	36S1359	AUTOMATIC ANESTHESIA CONTROLLER USING HEARTBEAT SENSOR - KLE SOCIETY'S KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, UDYAMBAG, BELGAUM
111.	36S1361	CAMPUS RADIO - KLE SOCIETY'S KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, UDYAMBAG, BELGAUM
112.	36S0909	AUTOMATED HELPING AID USING WIRELESS COMMUNICATION - KLS GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
113.	36S0413	INTELLIGENT SATELLITE TRACKER - KS INSTITUTE OF TECHNOLOGY, BANGALORE
114.	36S0270	SMART WALKER A GPS BASED SENSORY HEELS FOR BLIND PEOPLE - MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI
115.	36S0341	VOICE AND DATA COMMUNICATION USING A LASER - MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBBIDRI
116.	36S0029	LOW COST PORTABLE MUSICAL FOUNTAIN - MARATHA MANDAL'S ENGINEERING COLLEGE, BELGAUM
117.	36S0030	WIRELESS TWO DIMENSIONAL DISPLAY USING LED - MARATHA MANDAL'S ENGINEERING COLLEGE, BELGAUM
118.	36S0263	ADAPTIVE TREE CLIMBING ROBOT (CAPABLE OF REROUTING AND OBSTACLE AVOIDANCE) - MVJ COLLEGE OF ENGINEERING, BANGALORE
119.	36S1013	HILL CLIMB ASSIST FOR AUTOMOBILES - PDA COLLEGE OF ENGINEERING, GULBARGA
120.	36S1016	AID FOR PHYSICALLY CHALLENGED PEOPLE USING VOICE COMMANDS - PDA COLLEGE OF ENGINEERING, GULBARGA
121.	36S1018	MICROCONTROLLER BASED AUTOMATED LIQUID MIXING SYSTEM - PDA COLLEGE OF ENGINEERING, GULBARGA
122.	36S0835	AUTOMATIC GAS BOOKING SYSTEM - SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALORE
123.	36S0347	IMPLEMENTATION OF SOLAR ILLUMINATION SYSTEM WITH THREE - STAGE CHARGING AND DIMMING CONTROL FUNCTION - SAMBHRAM INSTITUTE OF TECHNOLOGY, BANGALORE
124.	36S0172	CAMERA BASEDCOLOR IDENTIFICATION ROBOT FOR TYPECASTING - SCHOOL OF ENGINEERING AND TECHNOLOGY, JAIN GLOBAL CAMPUS, RAMANAGARA
125.	36S0176	PORTABLE BIOGAS PLANT - SCHOOL OF ENGINEERING AND TECHNOLOGY, JAIN GLOBAL CAMPUS, RAMANAGARA
126.	36S0963	VIPDSS (VIRTUAL INEXPENSIVE PROTABLE DRIVING SIMULATOR SYSTEM) - SHREE DEVI INSTITUTE OF TECHNOLOGY (SDIT), KENJAR, MANGALORE



Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
127.	36S1089	GSM BASED BOREWELL AND WATER LEVEL MONITOR - SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR
128.	36S1092	SMART WEARABLE ASSISTANT AND REMINDER EMPLOYING TELEMEDICINE CONCEPTS FOR PREGNANT WOMEN - SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR
129.	36S1237	REAL TIME MONITORING OF DEFENCE VEHICLES WITH AUTHENTICATION BASED IGNITION CONTROL - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
130.	36S0331	RAILWAY TRACK CRACK DETECTION - SKSVMA COLLEGE OF ENGINEERING AND TECHNOLOGY, LAXMESHWAR, GADAG
131.	36S0425	VIRTUAL EYE FOR THE BLIND - SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALORE
132.	36S0426	EYE MOUSE (HUMAN COMPUTER INTERACTION WITH EYE BLINK) - SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALORE
133.	36S0429	VEHICLE AUTHENTICATE AND CONTROL SYSTEM - SRINIVAS INSTITUTE OF TECHNOLOGY, VALACHIL, MANGALORE
134.	36S0704	AUTOMATIC BATTERY CHARGING IN E-SCOOTER - VIDYA VIKAS INSTITUTE OF ENGINEERING AND TECHNOLOGY, MYSORE
135.	36S0705	NFC BASED SMART SURVEILLANCE SYSTEM WITH CORRUPTION AVOIDANCE - VIDYA VIKAS INSTITUTE OF ENGINEERING AND TECHNOLOGY, MYSORE
136.	36S0721	AUTOMATIC SENSING AND ALERTING SYSTEM FOR SPEED HUMPS IN MOTOR VEHICLES - VIDYA VIKAS INSTITUTE OF ENGINEERING AND TECHNOLOGY, MYSORE

## HALL NO. 5 and 6 ( Venue : Mechanical Department, Workshop, AIT&M)

CHAIRMAN : DR. J. E. DIWAKAR  
Chief Research Scientist, CPDM, Indian Institute of Science

CO-CHAIRMEN : DR. GSVL NARASIMHAM  
Chief Research Scientist, Department Of Mechanical Engineering,  
Indian Institute of Science

### **AUTOMOBILE ENGINEERING**

80.	36S0627	DESIGN AND DEVELOPMENT OF INCENSE STICKS (AGARBATTI) PACKAGING MACHINE - BV BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
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### **MECHANICAL ENGINEERING**

148.	36S0380	FLOW VISUALIZATION OVER DIFFERENT AERODYNAMIC BODIES IN THE WIND TUNNEL - AMRITA SCHOOL OF ENGINEERING, BANGALORE
149.	36S0381	AUTOMATIC GARBAGE BIN - WASTE SEGREGATION SYSTEM - AMRITA SCHOOL OF ENGINEERING, BANGALORE
150.	36S0547	DESIGN AND FABRICATION OF SMART CLEANER FOR MUNICIPAL AND CORPORATION USE - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
151.	36S1160	FABRICATION OF LOW COST VERTICAL AXIS WIND MILL FOR DOMESTIC USE - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
152.	36S0544	DESIGN AND FABRICATION OF TERRAIN ROBOT - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
153.	36S1375	DESIGN AND DEVELOPMENT OF AGARBATHI COUNTING AND PACKAGING MACHINE - BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
154.	36S0013	EFFECTIVE UTILIZATION OF GYM WORKOUT - BHEEMANNA KHANDRE INSTITUTE OF TECHNOLOGY, BHALKI, BIDAR
155.	36S0449	DESIGN & FABRICATE VIBRO THERMAL DIS-INFECTION DEVICE - BLDEA'S DR. PGH COLLEGE OF ENGINEERING AND TECHNOLOGY, BIJAPUR
156.	36S0451	SOLAR SEEDS SPRAYER - BLDEA'S DR. PGH COLLEGE OF ENGINEERING AND TECHNOLOGY, BIJAPUR
157.	36S0746	DESIGN AND FABRICATION OF SOLAR POWERED TRI-CYCLE - BV BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
158.	36S0745	STEERING COLUMN PROPELLED TRICYCLE - BV BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
159.	36S0100	AUTOMATIC BOOK FEEDING MACHINE TO PHOTOCOPIER MACHINE - CANARA ENGINEERING COLLEGE, BANTWAL TQ, DAKSHINA KANNADA
160.	36S0774	RUNNING AN INTERNAL COMBUSTION ENGINE USING HHO GAS AS ADDITIVE FUEL - DR. MV SHETTY INSTITUTE OF TECHNOLOGY, MOODBIDRI
161.	36S0639	HARNESSING TIDAL ENERGY TO GENERATE ELECTRICITY FOR SUSTAINABLE MANKIND - ISLAMIAH INSTITUTE OF TECHNOLOGY, BANGALORE
162.	36S0906	APPLICATION POTENTIAL OF H-JET FOR ROCK DRILLING - KLS GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
163.	36S0407	DESIGN AND FABRICATION OF RICE HUSK GAS STOVE - KS INSTITUTE OF TECHNOLOGY, BANGALORE
164.	36S0036	MECHANICAL BAMBOO SQUARE STICK MAKING MACHINE - MARATHA MANDAL'S ENGINEERING COLLEGE, BELGAUM
165.	36S0040	SOLAR GRASS CUTTING MACHINE - MARATHA MANDAL'S ENGINEERING COLLEGE, BELGAUM
166.	36S0046	CYCLE SWEEPER - MARATHA MANDAL'S ENGINEERING COLLEGE, BELGAUM
167.	36S1144	NOVEL ECO-FRIENDLY AND COMPOSTABLE FOOD SERVICE WARES FROM LOCALLY AVAILABLE AGRO WASTE : A MEANS OF SOLID-WASTE MANAGEMENT AND VALUE ADDITION AT COTTAGE SCALE - NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE
168.	36S0652	BICYCLE WITH FLYWHEEL - A NEW PRODUCT DEVELOPMENT - NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE
169.	36S0983	AUTOMATIC ELECTRO-MECHANICAL GEAR SYSTEM - RAJEEV INSTITUTE OF TECHNOLOGY, HASSAN
170.	36S0620	EFFICIENT AUTOMATED MURI (PUFFED RICE) MAKING MACHINE - RAO BAHADUR Y. MAHABALESHWARAPPA ENGINEERING COLLEGE, BELLARY
171.	36S0202	SWIRL HEAT EXCHANGER - SG BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELGAUM

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
172.	36S0319	ENERGY GENERATION FROM WASTE OIL - SHAIKH COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM
173.	36S0931	UNMANNED FIRE ENGINE - SHIRDI SAI ENGINEERING COLLEGE, BANGALORE
174.	36S0932	ADIFICO AQUA FOR GENERATION OF ELECTRIC POWER - SHIRDI SAI ENGINEERING COLLEGE, BANGALORE
175.	36S1249	AGARBATHI COUNTING AND PACKING MACHINE - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
176.	36S1352	DESIGN AND DEVELOPMENT OF DRILL TOOL FOR SQUARE HOLE - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
177.	36S1235	DESIGN AND FABRICATION OF REGENERATIVE BREAKING SYSTEM - SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
178.	36S0144	DESIGN AND FABRICATION OF LOW COST FOOD GRAIN DISINFESTATION SYSTEM - SJB INSTITUTE OF TECHNOLOGY, BANGALORE
179.	36S1120	DESIGN, DEVELOPMENT AND FABRICATION OF A PROTOTYPE FOR A "MANUALLY OPERATED DEWEEDING BOAT" FOR A FRESH WATER LAKE - SJC INSTITUTE OF TECHNOLOGY, CHICKBALLAPUR
180.	36S1308	DESIGN OF ECO-FRIENDLY TRI-CYCLE USING NON CONVENTIONAL ENERGY SOURCES (ETC) - SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR
181.	36S0964	STUDY AND DESIGN OF DOMESTIC GAS BURNER AND MODIFICATION OF GAS STOVE - ST. JOSEPHS ENGINEERING COLLEGE, VAMANJOOR, MANGALORE
182.	36S0294	DESIGN AND FABRICATION OF WIND POWERED WATER PURIFICATION - STJ INSTITUTE OF TECHNOLOGY, RANEBENNUR
183.	36S0297	DESIGN AND FABRICATION OF GRASS / FROND CHOPPER AND BRIQUETTING MACHINE - STJ INSTITUTE OF TECHNOLOGY, RANEBENNUR
184.	36S0340	SYNERGISTIC MASS IRONING PROCESS - THE OXFORD COLLEGE OF ENGINEERING, BANGALORE
185.	36S1221	DESIGN AND FABRICATION OF A PORTABLE ELEVATING SYSTEM - VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSORE

## INDUSTRIAL AND PRODUCTION ENGINEERING

137.	36S0728	DESIGN AND FABRICATION OF UNIVERSAL WEED REMOVAL EQUIPMENT - BV BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
138.	36S0729	DESIGN AND FABRICATE A MACHINE THAT CAN CONVERT DIFFICULT TO RECYCLE PLASTICS INTO CRUDE OIL - BV BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
139.	36S1200	MANUAL STAIR CLIMBING WHEELCHAIR - MALNAD COLLEGE OF ENGINEERING, HASSAN

**HALL NO. 7 – Venue : Function Hall, III Floor, AIT&M**

**BIOFUEL PROJECTS – POSTERS DISPLAY**

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KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (KSCST), BANGALORE  
and  
ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELGAUM

36<sup>th</sup> Series - Seminar and Exhibition of Student Project Programme  
30<sup>th</sup> and 31<sup>st</sup> August 2013

Date : Saturday, 31<sup>st</sup> August 2013

Time: 3.30 PM

**VALEDICTORY FUNCTION**

**03.30 PM – 03.35 PM Invocation**

**03.35 PM – 03.40 PM Welcome Address**

Dr. U. S. Hampannavar  
Principal & Director, Angadi Institute of Technology and Management

**03.40 PM – 03.45 PM Address by**

Prof. M. S. Mohan Kumar  
Secretary, Karnataka State Council for Science and Technology, Bangalore

**03.45 PM – 04.00 PM Chief Guest and Valedictory Address**

Prof. S. Sreenivasa Murthy  
Vice Chancellor, Central University of Karnataka, Gulbarga

**04.00 PM – 04.15 PM Guest of Honour**

Shri Y. B. Ramakrishna  
Former Executive Chairman  
Karnataka State Biofuel Development Board, Government of Karnataka

**04.15 PM – 04.25 PM Presidential Remarks**

Shri Suresh C. Angadi  
Chairman, Angadi Institute of Technology & Management, Belgaum and  
Member of Parliament, Belgaum

**04.25 PM – 04.30 PM Response of Principals of participating Colleges**

**04.30 PM – 04.45 PM Presentation of Awards**

**04.45 PM – 04.50 PM Vote of Thanks**

Dr. M. Prithviraj  
Executive Secretary,  
Karnataka State Council for Science and Technology, Bangalore

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