

**KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (KSCST)  
BANGALORE**

and

**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA (NITK)  
SURATHKAL, MANGALORE**

**Seminar-cum-Exhibition of Student Project Programme – 32nd Series  
4<sup>th</sup> and 5<sup>th</sup> September 2009**

**Date : 4th September 2009**

**Time : 12.00 Noon**

**Venue : Silver Jubilee Auditorium, National Institute of Technology Karnataka, Surathkal**

**INAUGURAL FUNCTION**

<b>10.00 AM – 12.00 Noon</b>	<b>Registration</b>
<b>12.00 Noon – 12.10 PM</b>	<b>Invocation</b>
<b>12.05 PM – 12.05 PM</b>	<b>Welcome Address</b> Prof. Sandeep Sancheti Director, NITK, Surathkal
<b>12.10 PM – 12.20 PM</b>	<b>Introduction of Dignitaries on the Dias</b>
<b>12.20 PM – 12.25 PM</b>	<b>Introductory Remarks</b> Prof. M. S. Mohan Kumar Secretary, KSCST, Bangalore
<b>12.25 PM – 12.30 PM</b>	<b>Lighting the Lamp and Inauguration</b> H. E. Sri. H. R. Bhardwaj Hon'ble Governor of Karnataka
<b>12.30 PM – 12.35 PM</b>	<b>Address by Guest of Honour</b> Prof. K. M. Kaveriappa Vice-Chancellor, Mangalore University
<b>12.35 PM – 12.40 PM</b>	<b>Presidential Remarks</b> Sri. Anand Vasant Asnotikar Hon'ble Minister for Science and Technology and Fisheries Government of Karnataka
<b>12.40 PM – 12.55 PM</b>	<b>Inaugural Address and Release of SPP Compendium</b> H. E. Sri. H. R. Bhardwaj Hon'ble Governor of Karnataka
<b>12.55 PM – 01.00 PM</b>	<b>Vote of Thanks</b> <b>Sri A. R. Shivakumar</b> Executive Secretary, KSCST
<b>01.00 PM - 02.00 PM</b>	<b>Lunch</b>
<b>02.00 PM – 03.00 PM</b>	<b>Technical Lecture - 1</b>
<b>03.00 PM – 05.30 PM</b>	<b>Students' Seminar and Projects Exhibition</b>

# **TECHNICAL SESSIONS**

**Friday, 4<sup>th</sup> SEPTEMBER, 2009**

**2.00 PM – 3.00 PM    TECHNICAL LECTURE - 1**  
Prof. H. S. Jamadagni  
Centre for Electronics Design and Technology (CEDT)  
Indian Institute of Science, Bangalore - 560 012

**Venue : Seminar Hall, Main Building, NITK**

## **SEMINAR**

**SESSION 1:**

**Friday, September 4, 2009**

**VENUE : HALL NO. 1**  
**(Hall No. AM-006, Ground Floor, Department of Applied Mechanics, NITK)**

**TIME : 03.00 PM – 05.30 PM**

**CHAIRMAN :** Dr. H. N. Chanakya,  
Principal Research Scientist, Centre for Sustainable Technologies,  
Indian Institute of Science, Bangalore

### **BIOTECHNOLOGY**

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
1.	32S-029	AEROMYCOFLORAL STUDIES OF SOME OCCUPATIONAL SITES IN DAVANGERE CITY - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
2.	32S-278	SLOW PYROLYSIS OF KIKAR FOR GENERATION OF SOLID, LIQUID AND GASEOUS FUELS - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
3.	32S-061	COMPARATIVE STUDY OF PERFORMANCE OF POLYMERIC AND CERAMIC MEMBRANES FOR VEGETABLE OIL INDUSTRY WASTE WATER RECYCLING AND SOME BIOMOLECULAR SEPARATION APPLICATIONS - BMS COLLEGE OF ENGINEERING, BANGALORE
4.	32S-618	ISOLATION AND CHARACTERISATION OF MICRO-ORGANISMS INVOLVED AND USED AS BIO-PESTICIDES - NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BANGALORE
5.	32S-779	AN INVESTIGATION INTO EFFICACY OF BIOETHANOL PRODUCTION FROM DIFFERENT SOURCES OF BIOMASS - NMAM INSTITUTE OF TECHNOLOGY, NITTE
6.	32S-790	A STUDY ON SOLID WASTE MICROFLORA AND ITS APPLICATION IN BIODEGRADATION - NMAM INSTITUTE OF TECHNOLOGY, NITTE

Sl. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
7.	32S-356	BIOTECHNOLOGICAL ORAL HEALTH CARE PRODUCT - P.A. COLLEGE OF ENGINEERING, MANGALORE
8.	32S-372	PROTOCOL FOR RAPID PROPAGATION OF DIOSCOREA RACEMOSA - THE OXFORD COLLEGE OF ENGINEERING, J. P. NAGAR, BANGALORE
9.	32S-377	STANDARDIZATION OF PROTOCOL FOR THE ISOLATION OF CHITIN FROM MARINE SHELLS AND ITS APPLICATIONS IN DYE REMOVAL FROM TEXTILE INDUSTRY - THE OXFORD COLLEGE OF ENGINEERING, J. P. NAGAR, BANGALORE

## SESSION 2:

**Friday, September 4, 2009**

**VENUE : HALL NO. 2**  
**(MS Seminar Hall (TEQUIP), Ground Floor,**  
**Department of Applied Mechanics, NITK)**

**TIME : 03.00 PM – 05.30 PM**

**CHAIRMAN : Prof. K. S. Jagadesh,**  
Former Professor of Department of Civil Engineering,  
Indian Institute of Science, Bangalore

## CIVIL ENGINEERING

10.	32S-317	MEASUREMENT OF EVAPOTRANSPIRATION USING LYSIMETER - ANJUMAN ENGINEERING COLLEGE FOR MEN, BHATKAL, U. K.
11.	32S-067	EVALUATION OF MINIMUM SHEAR REINFORCEMENT IN RC BEAMS - BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
12.	32S-071	GEPOLYMER CONCRETE - BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
13.	32S-1019	INFLUENCE OF PASTE ON THE FRESH AND HARDENED PROPERTIES OF SELF-COMPACTING CONCRETE USING RECYCLED AGGREGATES - BMS COLLEGE OF ENGINEERING, BANGALORE
14.	32S-648	CREATION OF BASE MAP FOR WATER AND SEWAGE NETWORK FOR RAMANAGARAM TOWN USING REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM - GHOUSIA COLLEGE OF ENGINEERING, RAMANAGARAM
15.	32S-1032	MIX DESIGN AND STRENGTH CHARACTERISTICS OF REACTIVE POWDER CONCRETE - GLOBAL ACADEMY OF TECHNOLOGY, RAJAREJESHWARINAGAR, BANGALORE
16.	32S-1024	RICE HUSK ASH CONCRETE BLOCKS - GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
17.	32S-536	ENHANCING THE STRENGTH PROPERTIES OF RECYCLED AGGREGATE CONCRETE THROUGH THE USE OF SUPPLEMENTARY CEMENTING MATERIALS - KLE SOCEITY'S COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM
18.	32S-654	NOVEL MATERIAL FOR WATER TREATMENT - NMAM INSTITUTE OF TECHNOLOGY, NITTE

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
19.	32S-837	EXPERIMENTAL STUDIES ON AIR ENTRAINED FERRO-CEMENT PANELS WITH HIGH VOLUME FLY ASH AND COMPATIBILITY OF ITS CONNECTIONS - PDA COLLEGE OF ENGINEERING, GULBARGA
20.	32S-914	ASSESSMENT OF WATER QUALITY INDEX FOR GROUND WATER - CASE STUDY : DHARWAD TALUKA - SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD
21.	32S-761	SUSTAINABLE AND COST EFFECTIVENESS BUILDING MATERIAL TECHNOLOGY THROUGH PARTIAL REPLACEMENT OF CEMENT BY GRANITE CUTTING SLURRY WASTE POWDER AND PARTIAL REPLACEMENT OF COARSE AGGREGATE BY MANGALORE TILES BATS FOR ARCH LINTELS - SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR
22.	32S-760	DESIGN AND EVALUATION OF HIGH VOLUME FLYASH CONCRETE FOR RIGID PAVEMENT OVERLAYS - SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR
23.	32S-567	STUDY ON STRENGTH BEHAVIOUR OF CONCRETE USING FOUNDRY DUST IN FINE AGGREGATE - STJ INSTITUTE OF TECHNOLOGY, RANIBENNUR, HAVERI
24.	32S-820	A STUDY OF MUNICIPAL SOLID WASTE MANAGEMENT IN PUTTUR TOWN - DAKSHINA KANNADA - VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR

### SESSION 3:

**Friday, September 4, 2009**

**VENUE : HALL NO. 3**  
**(Hall No. AM-007, Ground Floor, Department of Applied Mechanics, NITK)**

**TIME : 03.00 PM – 05.30 PM**

**CHAIRMAN :** Dr. S. Ramagopal,  
Principal Research Scientist, Department of Instrumentation,  
Indian Institute of Science, Bangalore

### COMPUTER SCIENCE AND ENGINEERING

25.	32S-1042	SPARE BANDWIDTH ALLOCATION USING RESOURCE MANAGEMENT CELL - EAST WEST INSTITUTE OF TECHNOLOGY, VISHWANEEDAM POST, BANGALORE
26.	32S-455	RELATIONAL DATA OBFUSCATION - GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
27.	32S-444	TCP MODELLING FOR CONGESTION CONTROL - GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
28.	32S-665	MULTI-LINGUISTIC PEOPLE SEARCH - MALNAD COLLEGE OF ENGINEERING, HASSAN
29.	32S-144	OPTIMIZATION TECHNIQUES FOR NETWORKS USING COGNITIVE APPROACH - NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, YELAHANKA, BANGALORE

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
30.	32S-742	AUTOMATIC AND DYNAMIC GENERATION OF RANDOM IMAGES – P.A. COLLEGE OF ENGINEERING, MANGALORE
31.	32S-102	MANAGE PRISONS (CONTROLLING CRIME) – SKSVMA COLLEGE OF ENGINEERING AND TECHNOLOGY, LAXMESHWAR

## INFORMATION SCIENCE AND ENGINEERING

32.	32S-1039	INTRUDER ALARM SYSTEM – A.P.S. COLLEGE OF ENGINEERING, KANAKAPURA ROAD, BANGALORE
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### SESSION 4:

**Friday, September 4, 2009**

**VENUE : HALL NO. 4**  
**(Hall No. AM-106, First Floor, Department of Applied Mechanics, NITK)**

**TIME : 03.00 PM – 05.30 PM**

**CHAIRMAN :** Prof. T. Srinivasan,  
Electrical Communication Engineering,  
Indian Institute of Science, Bangalore

## ELECTRONICS AND COMMUNICATION ENGINEERING

33.	32S-630	BIOMETRICS FINGER PRINT AUTHENTICATION SYSTEM – ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALUR
34.	32S-1077	FINGERPRINT SCANNER FOR SCURING THE IGNITION OF BIKES – B. V. BHOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
35.	32S-792	DESIGN AND SIMULATION OF MICROCONTROLLER BASED GOVERNOR CONTROLLED IC ENGINE AND ALTERNATOR SET USED FOR GENERATION OF ELECTRICITY USING BIOGAS – CANARA ENGINEERING COLLEGE, BENJANAPADAVU, BANTWAL TQ, DAKSHINA KANNADA
36.	32S-1055	AUTOMATED TEMPERATURE TRACKING SYSTEM – CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI, TUMKUR
37.	32S-060	IMAGE MINING – EAST WEST INSTITUTE OF TECHNOLOGY, VISHWANEEDAM POST, BANGALORE
38.	32S-704	INFORMATION SYSTEM FOR VISUALLY IMPAIRED PEOPLE USING RFID – GM INSTITUTE OF TECHNOLOGY, DAVANGERE
39.	32S-1088	REMOTE INTELLIGENT PATIENT ASSISTANCE SYSTEM – K. S. INSTITUTE OF TECHNOLOGY, BANGALORE
40.	32S-190	ASYNC REAL TIME OPERATING SYSTEM FOR Z8F64 MCU – KVG COLLEGE OF ENGINEERING, SULLIA, D.K.
41.	32S-671	DETECTION OF BRAIN TUMOR USING IMAGE PROCESSING TECHNIQUES – MALNAD COLLEGE OF ENGINEERING, HASSAN

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
42.	32S-1074	HUMAN IRIS PATTERN RECOGNITION FOR BIOMETRICS - NMAM INSTITUTE OF TECHNOLOGY, NITTE
43.	32S-1043	GSM BASED SMART SENSOR FOR INDUSTRIAL AUTOMATIC FAULT DIAGNOSER WITH VOICE FACILITY - VIVEKANANDA INSTITUTE OF TECHNOLOGY, GUDIMAVU, KUMBALGODU POST, BANGALORE

## SESSION 5:

**Friday, September 4, 2009**

**VENUE : HALL NO. 5**  
**(Hall No. AM-107, First Floor, Department of Applied Mechanics, NITK)**

**TIME : 03.00 PM – 05.30 PM**

**CHAIRMAN : Dr. J. E. Diwakar,**  
Centre for Product Design and Manufacturing,  
Indian Institute of Science, Bangalore

## MECHANICAL ENGINEERING

44.	32S-274	IDENTIFYING ENERGY SAVING OPPORTUNITIES IN A SUGAR INDUSTRIES THROUGH ENERGY AUDIT AND ENERGY MANAGEMENT - BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
45.	32S-733	CONSTRUCTION OF AN AUTOMATED PACKING MACHINE - GM INSTITUTE OF TECHNOLOGY, DAVANGERE
46.	32S-125	APPLICATION OF NEURAL NETWORKS TO GAS SOLID FLUIDIZED BED USING MATLAB - KLE SOCEITY'S COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM
47.	32S-605	VARIABLE FLUSH TANK - RAO BAHADDUR Y. MAHABALLESHWARAPPA ENGINEERING COLLEGE, BELLARY (VIJAYANAGAR ENGINEERING COLLEGE)
48.	32S-333	DEVELOPMENT OF WEAR RESISTANT HIGH VELOCITY OXY-FUEL COATINGS ON SUPER ALLOYS - REVA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, YALAHANKA, BANGALORE
49.	32S-890	STUDIES ON COEFFICIENT OF THERMAL EXPANSION OF GRAIN REFINED ALUMINIUM SILICON ALLOY USING TIBAL AND Al-Sr AS GRAIN REFINERS - SAMBHRAM INSTITUTE OF TECHNOLOGY, M. S. PALYA, JALAHALLI EAST, BANGALORE
50.	32S-226	ENERGY GENERATION USING FOOT STEPS - SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR
51.	32S-876	DEVELOPMENT OF JUTE ROVING REINFORCED EPOXY COMPOSITES AND STUDY OF THEIR EFFECT ON MECHANICAL PROPERTIES - SJM INSTITUTE OF TECHNOLOGY, CHITRADURGA
52.	32S-770	A STUDY ON BIO-DEGRADABLE POLYMER COMPOSITES AND EFFECT ON ENVIRONMENTAL POLLUTION CONTROL - SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR

## MINING ENGINEERING

53.	32S-802	INVESTIGATION OF THE USE OF QUARRY DUST AS CONSTRUCTION MATERIAL - NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL, MANGALORE
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### 05.30 PM – 06.30 PM TECHNICAL LECTURE - 2

Prof. K. J. Vinoy,  
Department of Electrical Communication Engineering  
Indian Institute of Science, Bangalore

**Topic** : "Microsystems Technologies"

**Venue** : Seminar Hall, Main Building, NITK

07.00 PM – 08.30 PM Cultural Programme by students of NITK

**NOTE:** Projects selected for Exhibition – Students need to setup their exhibits / working models well in time and be ready to demonstrate at the Exhibition hall. The panel of judges will evaluate these projects from 3.00 PM.

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**Saturday, 5th September, 2009**

## **TECHNICAL SESSIONS**

### 09.30 AM – 10.30 AM TECHNICAL LECTURE - 3

Prof. K. S. Rangappa  
Department of Chemistry, Mysore University, Mysore

**Topic** : "Bioactive Heterocycles as Chemotherapeutics"

**Venue** : Seminar Hall, Main Building, NITK

**SESSION 1:**

**Saturday, September 5, 2009**

**VENUE** : HALL NO. 1

(Hall No. AM-006, Ground Floor, Department of Applied Mechanics, NITK)

**TIME** : 10.30 AM – 12.00 Noon

**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
54.	32S-055	DYNAMIC MODELING AND SIMULATION OF FIXED BED CATALYTIC REACTOR - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
55.	32S-1089	AGGLOMERATION OF IRON ORE DUST FINES USING WASTE CALCIA AND FLY ASH DUST FINES - DAYANANDA SAGAR COLLEGE OF ENGINEERING, BANGALORE
56.	32S-483	TREATMENT AND REUTILIZATION OF MEDICAL WASTE - KLE SOCEITY'S COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM
57.	32S-738	PRODUCTION OF LACTIC ACID FROM MOLLASSES - KLE SOCEITY'S COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM
58.	32S-292	REMOVAL OF NI IONS FROM AQUEOUS SOLUTION USING AGRICULTURAL WASTE : ADSORPTION ON A FIXED-BED COLUMN - RURAL ENGINEERING COLLEGE, BHALKI, BIDAR
59.	32S-549	REMOVAL OF COLOUR AND COD BY ELECTROCHEMICAL AND ELECTROCOAGULATION PROCESS FROM DISTILLERY SPENT WASH - SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD

## TEXTILE ENGINEERING

60.	32S-033	SILK FIBROIN PROTEIN BASED BIOMATERIALS - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
61.	32S-035	STUDY OF SOUND DAMPING PROPERTIES OF NON-WOVENS IN PROTECTIVE EQUIPMENT - BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE

## SESSION 2 :

**Saturday, September 5, 2009**

**VENUE : HALL NO. 2**  
**(MS Seminar Hall (TEQUIP), Ground Floor,**  
**Department of Applied Mechanics, NITK)**

**TIME : 10.30 AM – 12.00 Noon**

**CHAIRMAN : Dr. K. S. Nanjunada Rao**  
Principal Research Scientist, Department of Civil Engineering,  
Indian Institute of Science, Bangalore

## ENVIRONMENTAL ENGINEERING

62.	32S-024	WATERCLARIFICATION USING MORINGA OLEIFERA (DRUMSTICK SEEDS) - ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALUR
63.	32S-025	COMPARATIVE STUDY OF COLOUR REMOVAL AND TREATMENT OF COFFEE EFFLUENT USING BAGASSE FLY ASH AND LATERITE AS A FILTERING MEDIA - ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALUR
64.	32S-058	ELECTROCHEMICAL COAGULATION (ECC) TECHNOLOGY FOR TREATMENT OF HOSPITAL WASTEWATER - SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSORE
65.	32S-228	EFFECT OF DOMESTIC WASTEWATER ON SOIL PROPERTIES AROUND TREATMENT PLANT - VIDYA VARDAKA COLLEGE OF ENGINEERING, GOKULAM, MYSORE

## BIOMEDICAL ENGINEERING

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
66.	32S-044	ODOR RECOGNITION SYSTEM - KLE SOCEITY'S COLLEGE OF ENGINEERING AND TECHNOLOGY, BELGAUM

### SESSION 3 :

**Saturday, September 5, 2009**

VENUE : **HALL NO. 3**  
(Hall No. AM-007, Ground Floor, Department of Applied Mechanics, NITK)

TIME : 10.30 AM – 12.00 Noon

CHAIRMAN : Dr. V. P. S. Naidu  
Scientist, Multi Sensor Data Fusion Lab,  
National Aerospace Laboratories, Bangalore

## ELECTRONICS AND INSTRUMENTATION ENGINEERING

67.	32S-934	EMBEDDED POWER THEFT DETECTION AND CONTROL - UNIVERSITY B.D.T COLLEGE OF ENGINEERING, DAVANGERE
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## INSTRUMENTATION TECHNOLOGY

68.	32S-020	QUALITY AND QUANTITY CONTROL IN DIARY INDUSTRIES - DAYANANDASAGAR COLLEGE OF ENGINEERING, BANGALORE
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## TELECOMMUNICATION ENGINEERING

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
69.	32S-302	SMS BASED FIELD AUTOMATION - BASAVAKALYAN ENGINEERING COLLEGE, BASAVAKALYAN, BIDAR

**12 Noon – 01.00 PM TECHNICAL LECTURE – 4**  
Prof. M. Giridhar  
Department of Chemical Engineering  
Indian Institute of Science, Bangalore

**Topic : "Development of Conjugated Polymer Nanocomposites for Photocatalysis"**

**Venue : Seminar Hall, Main Building, NITK**

**01.00 PM – 02.00 PM Lunch Break**

**03.00 PM – 05.00 PM VALEDICTORY FUNCTION**

# VALEDICTORY FUNCTION

Saturday, the 5th September 2009

Time : 3.00 PM

Venue : Silver Jubilee Auditorium, NITK

**03.00 PM – 03.05 PM Invocation**

**03.05 PM – 03.15 PM Welcome Address**

Dr. Shyam Kamath  
Department of Mathematical and Computational Sciences  
NITK, Surathkal

**03.15 PM – 03.25 PM Introduction of Dignitaries on the Dias**

**03.25 PM – 03.40 PM Address by**

Prof. M. S. Mohan Kumar  
Secretary, KSCST, Bangalore

**03.40 PM – 04.00 PM Chief Guest**

Sri B. Nagaraj Shetty  
Chairman, Coastal Development Authority, Karnataka

**04.00 PM – 04.25 PM Guest of Honour**

Prof. H. P. Khincha  
Vice-Chancellor, Visvesvaraya Technological University, Belgaum

**04.25 PM – 04.35 PM Presidential Remarks**

Prof. Sandeep Sancheti,  
Director, NITK, Surathkal

**04.35 PM – 04.50 PM Presentation of Awards**

**04.50 PM – 04.55 PM Response of Principals of participating Colleges**

**04.55 PM – 05.05 PM Vote of Thanks**

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# EXHIBITION PROJECTS

## BIOMEDICAL ENGINEERING

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
70.	32S-042	DIGITAL HEARING AID USING DSP – KLE SOCEITY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM
71.	32S-045	SKIN COLOR MONITOR – KLE SOCEITY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM
72.	32S-047	PULSE OXIMETER USING PSoC – KLE SOCEITY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM

## BIOTECHNOLOGY ENGINEERING

73.	32S-318	DEVELOPMENT & FORMULATION OF EFFECTIVE MICROORGANISM TECHNOLOGY FOR THE EFFECTIVE TREATMENT OF DAIRY INDUSTRY EFFLUENT – B. V. BHOMARADDI COLLEGE OF ENGINEERING & TECHNOLOGY, HUBLI
74.	32S-028	BIOTECHNOLOGICAL PROCESS OF COMPOSTING & FIELD EVALUATION STUDIES – BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANGERE
75.	32S-783	BIOFILTERS : AN EMERGING TECHNIQUE – NMAM INSTITUTE OF TECHNOLOGY, NITTE
76.	32S-369	SCREENING OF ANTIOXIDANT & HEPATOPROTECTIVE POTENCY OF BUTEA SUPERBA - A RARE PLANT GENETIC RESOURCE OF WESTERN GHATS – THE OXFORD COLLEGE OF ENGINEERING, J. P. NAGAR, BANGALORE

## CIVIL ENGINEERING

77.	32S 1105	MASTER PLANNING FOR DEVELOPING AN UNDERDEVELOPED AREA AT INDIRANAGAR, MADIKERI – KVG COLLEGE OF ENGINEERING, SULLIA, D.K.
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## COMPUTER SCIENCE AND ENGINEERING

78.	32S-380	TOUCH SCREEN BASED SMS IN REAL TIME ENVIRONMENT – DR. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE
79.	32S-453	CODE-X FOR SECURE TRANSACTION MANAGEMENT IN A MULTI CLIENT / SERVER TERRA FIRMA – GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
80.	32S-445	VIDEO MINING PATTERN RECOVERY VS. PATTERN RECOGNITION – GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
81.	32S-451	Q-ROUTING IN DYNAMIC NETWORKS USING MOBILE AGENTS – GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
82.	32S-545	DATA GUARD - THE ULTIMATE PROTECTOR – JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
83.	32S-548	CONTENT AUTHENTICATION OF DIGITAL IMAGES USING FRAGILE & SEMI-FRAGILE WATERMARKING TECHNIQUES – JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA
84.	32S-938	WEBCAM BASED HUMAN TO MACHINE INTERACTION (WEBCAM MOUSE) – JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA
85.	32S-1078	MECHANISMS FOR TEMPORAL PARTITIONING IN THE COMMUNICATION SYSTEM OF AN INTEGRATED ARCHITECTURE & ASSESSMENT OF PERFORMANCE – JSS ACADEMY OF TECHNICAL EDUCATION, KENGERI-UTTARAHALLI RD, BANGALORE
86.	32S-915	GSM BASED WIRELESS DISTRIBUTED ENERGY BILLING SYSTEM – KLS'S VISHWANATHRAO DESHP&E RURAL INSTITUTE OF TECHNOLOGY, HALIYAL, U.K.
87.	32S-057	ATM USING FINGER PRINTS – KNS INSTITUTE OF TECHNOLOGY, HEGDE NAGAR POST, YELAHANKA, BANGALORE
88.	32S-615	SYNCHRONISED TELE MEDICINE USING WAP – NAGARJUNA COLLEGE OF ENGINEERING & TECH., DEVANAHALLI TO, BANGALORE
89.	32S-581	WIRELESS AUDIENCE POLLING SYSTEM – STJ INSTITUTE OF TECHNOLOGY, RANIBENNUR, HAVERI

## **ELECTRICAL AND ELECTRONICS ENGINEERING**

90.	32S-1060	GSM BASED ELECTRICAL BILLING & CUT-OFF SYSTEM – ACHARYA POLYTECHNIC, SOLADEVANAHALLI, BANGALORE
91.	32S-475	AUTOMISED JACQUARD POWER LOOM – KLE SOCEITY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM
92.	32S-1048	WIRELESS TILT JOYSTICK – RNS INSTITUTE OF TECHNOLOGY, CHANNAS&RA, BANGALORE
93.	32S-1054	WIRELESS WEATHER STATION MONITORING SYSTEM USING GSM – SHIRDI SAI ENGINEERING COLLEGE, SAI LEO NAGAR, ANEKAL, BANGALORE

## **ELECTRONICS AND COMMUNICATION ENGINEERING**

94.	32S-634	MICROCONTROLLER BASED SURVIELLANCE ROBOT FOR A MILITARY APPLICATION – ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALUR
95.	32S-233	GSM BASED AUTO DIALING SYSTEM – BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANGERE
96.	32S-238	AUTO TAPPING SYSTEM USING RF SPECTRUM ANALYZER – BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANGERE
97.	32S-240	LOCATION BASED WILD ANIMAL INSTRUSION ALARM SYSTEM – BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANGERE

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
98.	32S-243	SIXTH SENSE OF POWER VIGILANCE – BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANGERE
99.	32S-244	GPS BASED NAVIGATOR WITH VOICE ANNOUNCEMENT – BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANGERE
100.	32S-248	VIDEO SURVEILLANCE FOR SMOKERS & FIRE DETECTION USING CELL PHONE WITH EMBEDDED TECHNOLOGY – BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANGERE
101.	32S-249	MULTI FLOOR SMARTCARD BASED AUTOMATED PARKING SYSTEM – BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANGERE
102.	32S-982	AUTOMATIC BED FOR IMMOVABLE PATIENTS – BLDEA'S V. P. DR. P. G. HALAKATTI COLLEGE OF ENGINEERING & TECH., BIJAPUR
103.	32S-988	INFUSION SYSTEM – BLDEA'S V. P. DR. P. G. HALAKATTI COLLEGE OF ENGINEERING & TECH., BIJAPUR
104.	32S-995	POWER SAVING USING MICROCONTROLLER & RF – BLDEA'S V. P. DR. P. G. HALAKATTI COLLEGE OF ENGINEERING & TECH., BIJAPUR
105.	32S-650	BIOMETRIC AUTHENTICATED ATM – COORG INSTITUTE OF TECHNOLOGY, PONNAMPET, SOUTH KODAGU
106.	32S-626	MYSTIC EYE - AN INSIGHT INTO DEPTH – GHOSIA COLLEGE OF ENGINEERING, RAMANAGARAM
107.	32S-698	CORPORATION WATER SUPPLY MANAGEMENT SYSTEM – GM INSTITUTE OF TECHNOLOGY, DAVANGERE
108.	32S-710	EYE BALL SENSED AUTOMATIC ELECTRIC WHEEL CHAIR FOR PARALYZED PATIENTS – GM INSTITUTE OF TECHNOLOGY, DAVANGERE
109.	32S-394	IMPLEMENTATION OF ELECTRONIC NOSE (E-NOSE) – GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
110.	32S-1100	POWER SAVING USING AUTOMISATION – HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI, BELGAUM
111.	32S-107	VOICE CONTROLLED WHEELCHAIR FOR THE DISABLED – KLE SOCEITY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM
112.	32S-110	AUTOMATION OF PETROLEUM RETAIL OUTLETS – KLE SOCEITY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM
113.	32S-111	AUTOMATED TOLL COLLECTION & ALCOHOL DETECTION – KLE SOCEITY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM
114.	32S-112	ELECTRONIC SECURITY SYSTEM FOR RAILWAY COMPARTMENT – KLE SOCEITY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM
115.	32S-597	PUBLIC-i-PARTNER – KLS'S VISHWANATHRAO DESHP&E RURAL INSTITUTE OF TECHNOLOGY, HALIYAL, U.K.
116.	32S-175	AN IMAGE INPAINTING TECHNIQUE BASED ON THE FAST MARCHING METHOD – KVG COLLEGE OF ENGINEERING, SULLIA, D.K.

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
117.	32S-1050	SMART POWER METER – NMAM INSTITUTE OF TECHNOLOGY, NITTE
118.	32S-955	GSM NETWORK CONTROLLED ROBOT WITH VIDEO & AUDIO COMMUNICATION – PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET, BELLARY
119.	32S-1047	ULTRASONIC ANTI-CRASHING SYSTEM – RNS INSTITUTE OF TECHNOLOGY, CHANNAS&RA, BANGALORE
120.	32S-1099	SMART AMBULANCE – RURAL ENGINEERING COLLEGE, HULKOTI, GADAG
121.	32S-885	MICROCONTROLLER BASED SPY ROBOTIC VEHICLE USING MOBILE TECHNOLOGY (SPYBOT) – SAMBHRAM INSTITUTE OF TECHNOLOGY, M. S. PALYA, JALAHALLI EAST, BANGALORE
122.	32S-482	GSM BASED CENTRALIZED ELECTRICITY BILLING SYSTEM – SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMKUR
123.	32S-040	ARTIFICIAL INTELLIGENCE – SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR
124.	32S-868	ELECTRONIC EMBEDDED DATA VERIFICATION & CONTROL SYSTEM FOR AUTOMOBILES – SJM INSTITUTE OF TECHNOLOGY, CHITRADURGA
125.	32S-1068	CELLPHONE OPERATED L& ROVER – ST. JOSEPH ENGINEERING COLLEGE, VAMANJOOR, MANGALORE
126.	32S-148	WIRELESS MICROCONTROLLER BASED BLACK BOX FOR CAR – TONTADARYA COLLEGE OF ENGINEERING, GADAG
127.	32S-257	ADAPTIVE AUTOMOBILE HEADLIGHTS – UNIVERSITY VISVESWARAYA COLLEGE OF ENGINEERING, K.R. CIRCLE, BANGALORE

## **ELECTRONICS AND INSTRUMENTATION ENGINEERING**

128.	32S-662	MICROCONTROLLER BASED REMOTE CONTROL VEHICLE WITH VIDEO FEEDBACK – UNIVERSITY B.D.T COLLEGE OF ENGINEERING, DAVANGERE
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## **INDUSTRIAL PRODUCTION ENGINEERING**

129.	32S-672	HYBRID TWO WHEELER – MALNAD COLLEGE OF ENGINEERING, HASSAN
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## **INFORMATION SCIENCE AND ENGINEERING**

130.	32S-1045	FACE DETECTION USING HSV (BY PERFORMING SKIN SEARCH OF INPUT IMAGE) – BMS COLLEGE OF ENGINEERING, BANGALORE
131.	32S-013	PATIENT MONITORING – SKSVMA COLLEGE OF ENGINEERING & TECHNOLOGY, LAXMESHWAR

## **INSTRUMENTATION TECHNOLOGY ENGINEERING**

SL. No.	PROJECT REF. NO.	TITLE OF THE PROJECT AND NAME OF THE COLLEGE
132.	32S-021	REMOTE CONTROLLED DETECT & DESTROY VEHICLE – BMS COLLEGE OF ENGINEERING, BANGALORE
133.	32S-953	LIFE MADE EASIER FOR BLIND PEOPLE – PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET, BELLARY
134.	32S-954	AUTOMATION OF AGRICULTURE USING MICROCONTROLLERS – PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET, BELLARY

## **MECHANICAL ENGINEERING**

135.	32S-539	QUICK CHAP - CHAPATHI MAKER – ACHARYA INSTITUTE OF TECHNOLOGY, HESARAGHATTA ROAD, BANGALORE
136.	32S-082	A DEVICE TO EXTRACT POMEGRANATE SEEDS – BASAVESHWAR ENGINEERING COLLEGE, BAGALKOT
137.	32S-731	CRASH SLIDING SYSTEM – GM INSTITUTE OF TECHNOLOGY, DAVANGERE
138.	32S-899	SEED COATING MACHINE – GOGTE INSTITUTE OF TECHNOLOGY, UDYAMBAG, BELGAUM
139.	32S-138	PASSIVE INDIRECT TYPE SOLAR - COCONUT DRYER – KALPATARU INSTITUTE OF TECHNOLOGY, TIPTUR
140.	32S-158	DOMESTIC SOLAR WATER HEATING BY USING THERMAL FLUID – KALPATARU INSTITUTE OF TECHNOLOGY, TIPTUR
141.	32S-598	PROXIMITY SENSOR BASED PROGRAMMABLE TURNING CENTRE – KLS'S VISHWANATHRAO DESHP&E RURAL INSTITUTE OF TECHNOLOGY, HALIYAL, U.K.
142.	32S-880	HYBRID NANO CAR – SAPTHAGIRI COLLEGE OF ENGINEERING, HESSARGHATA MAIN ROAD, BANGALORE

## **TELECOMMUNICATION ENGINEERING**

143.	32S-902	ECONOMICAL ALCOHOL BREATH ANALYSER – P.A. COLLEGE OF ENGINEERING, MANGALORE
144.	32S-903	BLIND ASSISTING DEVICE – P.A. COLLEGE OF ENGINEERING, MANGALORE
145.	32S1104	ROBOTIC ARMY SURVEILLANCE – SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

## **TEXTILE ENGINEERING**

146.	32S-282	SOME STUDIES ON FABRICS PRODUCED BY DYNEEMA FIBRES FOR DEFENCE APPLICATION – BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, DAVANGERE
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