

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
Indian Institute of Science, Bangalore - 560 012

**List of projects selected for “PROJECT OF THE YEAR” award
during the Seminar and Exhibition of Student Projects – 35th SERIES: 2011-12**

held on 13th and 14th July 2012 at

SHREE DHARMASTHALA MANJUNATHESHWARA INSTITUTE OF TECHNOLOGY, UJIRE

BEST PERFORMING COLLEGE AWARD : 2011-12 : 35TH SERIES OF SPP

SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

The Best Performing College Award goes to **Siddaganga Institute of Technology, Tumkur**. This award has been decided based on several parameters demonstrated by students such as

1. Relevance to industry
2. Innovation and creativeness
3. Practicability
4. Economic viability and Simplicity

in addition, overall performance by the students of the college in all project seminars and exhibitions.

BEST PROJECTS OF THE YEAR (Seminar projects)

AUTOMOBILE ENGINEERING

EXPERIMENTAL INVESTIGATION OF LOCAL HEAT TRANSFER CHARACTERISTICS IN A SQUARE DUCT WITH DELTA WING VORTEX GENERATOR

– **BLDEA'S DR. PGH COLLEGE OF ENGINEERING AND TECHNOLOGY, BIJAPUR**

GUIDE : PROF. ANANDKUMAR S. MALIPATIL

STUDENTS : PAVAN DESHAPANDE.

PRASHANT SURPUR.

RAYAPPA NANDAGAON

SHARANAPPA TALAWAR

BIOTECHNOLOGY

EVALUATION OF HYPOGLYCEMIC AND ANTIDIABETIC ACTIVITIES FROM SELECTED PLANTS

– **BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE**

GUIDE : MANJUNATH N. S.

SUJATHA M. L.

DR. B. E. RANGASWAMY

STUDENTS : GHAZALA ANJUM

MANASA N.

SABAHATH NAZNEEN TAJ

SHANTHA B. T.

CIVIL ENGINEERING

COFFEE WASTE TREATMENT USING BIOREACTOR

– MS RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE

GUIDE : UMADEVI B.
STUDENTS : ADITYA P. S.
DEEPANSHI JAIN
DONAL NIXON D'SOUZA
S. SAVITHA SAGARI

A STUDY ON THE BEHAVIOR OF CONCRETE FILLED TUBULAR COLUMNS

– SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE

GUIDE : H.RAVIKUMAR
STUDENTS : ANUSHA P. S.
JAYANTH R. K.
SHRINIDHI DEEKSHIT
SHWETHA P.

CHEMICAL ENGINEERING

ENERGY RECOVERY FROM ORGANIC WASTE

– SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD

GUIDE : LOKESHWARI N.
STUDENTS : MADHUCHANDRIKA C. BENTUR
RACHANA V. ANGADI
RAJANI PATIL

ENVIRONMENTAL ENGINEERING

BIOENCAPTUREMENT OF CHROMIUM (VI) USING ASPERGILLUS NIGER

– VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSORE

GUIDE : SHILPA B. S.
STUDENTS : FASIHA TABASSUM
MAHESH S.
KUSUMA Y.
SURAKSHA M. N.

COMPUTER SCIENCE AND ENGINEERING

VISION BASED GAME DEVELOPMENT USING HUMAN COMPUTER INTERACTION

– SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR

GUIDE : SANTHOSH KUMAR S.

STUDENTS : VIVEK

SAHANA K. M.

SUNITHA R.

SAMEER KUMAR VERMA

INFORMATION SCIENCE AND ENGINEERING

AUTOMATIC DETECTION AND RECOGNITION OF TRAFFIC SIGN BOARDS

– BVB COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI

GUIDE : MS. NEHA TARANNUM I. P.

STUDENTS : NILAMBER SINGH

NIRANJAN P. T.

NITYA P. N.

SHRUTI KULKARNI

ELECTRONICS AND COMMUNICATION

SMART FARMER ASSISTANT

– SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

GUIDE : PROF T. R. SATEESH KUMAR

STUDENTS : KIRAN C. PATTANASHETTY

NITESH SATISH MESTA

PANKAJ SHARMA

SHASHIDHAR POTDAR

ELECTRICAL AND ELECTRONICS

ENERGY PARK [PICO HYDRO POWER GENERATION UNIT]

– SDM INSTITUTE OF TECHNOLOGY, UJIRE, DHAKSHINA KANNADA

GUIDE : DR. M. G. ANANTHAPRASAD

MR. SHYNE M. V.

STUDENTS : GIRISH P.MAKARABBI

NAGARAJ B. VAIDYA

PRASHANTH H. S.

RADHIKA PRIYADARSHINI

SPECIAL PRIZE (Seminar projects)

TELECOMMUNICATION ENGINEERING

INPAINTING AND CHARACTER RECOGNITION FOR PRESERVATION OF HERITAGE IMAGES

– SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

GUIDE : DR. K. VISWANATH

STUDENTS : ARCHANA G.
GURUNATH REDDY M.
SAUMYA K. S.
SRIHARSHA K.

BIOMEDICAL ENGINEERING

DEVELOPMENT OF ELECTRONIC NOSE FOR DIAGNOSIS OF LUNG CANCER AT EARLY STAGE

– BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE

GUIDE : MR. ANJANEYA L. H.
MS. SHREYA B. N.

STUDENTS : ABHILASHA M.
GLARY PLACID FERNANDES
NITHIN SHEKAR K.

ELECTRICAL AND ELECTRONICS ENGINEERING

HAND TALK USING FLEX SENSORS WITH VOICE INDICATION - ASSISTIVE TECHNOLOGY FOR THE SPEECH AND HEARING IMPAIRED

– KS INSTITUTE OF TECHNOLOGY, BANGALORE

GUIDE : JAYAGOWRI R.

STUDENTS : MENUKA GHOSH
SHIBANI N., SHILPA H.
THRISHA K.

ELECTRONICS AND COMMUNICATION

AUTOMATIC LICENSE PLATE RECOGNITION SYSTEM FOR VIDEO SEQUENCE WITH MOTION DE-BLUR ALGORITHM

– SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

GUIDE : DR. R. SRIKANTASWAMY

STUDENTS : MOHAMED ISMAYIL
MANJUSHREE R.
ROOPADARSHINI C. K.
JAYANTH ATHREYA R.

BEST PROJECTS OF THE YEAR (Exhibition projects)

MECHANICAL ENGINEERING

CORN DESEEDING MACHINE

- MARATHA MANDAL ENGINEERING COLLEGE, BELGAUM

GUIDE : ANANT GHADI

STUDENTS : VINAYAK KADAM

SAGAR YALIGAR

PAVAN JHAVALKER

SOMANATH KALGAL

RE-BAR BENDING MACHINE

- MARATHA MANDAL ENGINEERING COLLEGE, BELGAUM

GUIDE : MR. SURESH MARSHAL

STUDENTS : NIKHIL KUDLE

SHAILESH DESURKAR

PUNDLIK BALEKUNDRI

IRFAN SOUDAGAR

DESIGN AND FABRICATION OF AUTOMATED VALVE

- SG BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELGAUM

GUIDE : PROF. S. B. BIDRE

STUDENTS : RAGHUNANDAN RAMESH NAIK

MAYANK JAIN

RAKESH E. JINAGA

SUSHANT PATIL

ELECTRICAL AND ELECTRONICS

INDUCTION MOTOR AS WELDING TRANSFORMER

- HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

GUIDE : PROF. S. B. PATIL

STUDENTS : RUSHIKESH RINGANE

VIJAY SARANG

POONAM WANDRE & SWAPNIL MANAGULE

ELECTRONICS AND COMMUNICATION

EOG BASED HMI FOR PARALYSED PEOPLE TO CONTROL ELECTRICAL DEVICES

- **ACHARYA INSTITUTE OF TECHNOLOGY, BANGALORE**

GUIDE : SUMALATHA S.

STUDENTS : ASHVINI KUMAR

DIVYA NISHANI P. L.

GANGADHARA NAIK R.

MAMATHA K. M.

E-ACCESS CONTROL AND SURVEILLANCE OF VEHICLES

- **GOVERNMENT ENGINEERING COLLEGE, HAVERI**

GUIDE : MR. HARISH H. M.

STUDENTS : MANOJ DESHPANDE

CHETANKUMAR K. M.

NITESH HALAGI

SHIVANAND BIDIKAR

E-RATION MANAGEMENT SYSTEM

- **SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR**

GUIDE : MRS. SEEMA B. HEGDE

MRS. S. MALA

STUDENTS : ASHOKAKUMARA M.

DHANYAKUMAR M. H.

PRADEEP KUMAR G.

RAGHUNATH A.

INSTRUMENTATION TECHNOLOGY

MULTI DEVICE CONTROL USING HEAD MOVEMENT FOR PHYSICALLY IMPAIRED, SPINAL CORD INJURED AND PARALYSED PATIENTS

- **PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET**

GUIDE : MS. SHILPA MEHTA

STUDENTS : AKSHATHA B.

YAMINI S.

M. THABASOOM

ANUSHA K. R.

INFORMATION SCIENCE AND ENGINEERING

GPS BASED NAVIGATOR USING ANDROID

– BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE

GUIDE : SHEIK IMRAN AND PATIL N. S.

STUDENTS : GONCHIGARI APUROOPA

SNEHA H. R.

SOWMYA G. AND LATHA P.

BIOMEDICAL ENGINEERING

HUMAN FALL DETECTION USING MEMS ACCELEROMETER

– BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE

GUIDE : SHUBHA V. PATIL

STUDENTS : LAVANYA L.

SIRISHA G. S. V. N. S. CH.

V. BHAVANA

CIVIL ENGINEERING

STUDY ON LATERITE CEMENT BRICK

– KVG COLLEGE OF ENGINEERING, SULLIA

GUIDE : MR. PRAMOD K.

MR. KISHOR KUMAR B. R.

STUDENTS : BHARAT RAJ

RASHMITHA KOTIAN

VARSHITH A.

ASHWATH N. G.

BEST PROJECTS OF THE YEAR (Biofuel projects)

B.E Project

MECHANICAL ENGINEERING

UTILIZATION OF PONGAMIA POD SHELLS AND GLYCERINE WASTE FOR PRODUCTION OF FUEL BRIQUETTES

– H.M.S. INSTITUTE OF ENGINEERING, TUMKUR

GUIDE : MR.RAVICHANDRA.P.S

STUDENTS : NAVEEN S.

NISHANTH B. M.

SHIVAKUMAR R.

YUVARAJ H. S.

DESIGN AND FABRICATION OF PONGAMIA DECORTICATOR AND OPTIMIZATION OF BIO-DIESEL PRODUCTION VIA ALKALI CATALYZED METHANOLYSIS USING OIL EXTRACTED FROM DECORTICATED SEEDS OF *PONGAMIA PINNATA*

– SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR

GUIDES : DR. G. PANDURANGA MURTHY

VASUDEVA MURTHY

STUDENTS : SANMATHI K.

SANGEETHA M.

HARSHITH S.

KIRAN K.

MEDA KARAN VENKATESH

M.Tech., Project

ENVIRONMENTAL ENGINEERING

BIOMETHANATION OF EFFLUENT FROM DESICCATED COCONUT INDUSTRY

– BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE

GUIDES : DR. S. MANJAPPA & DR. H. B. ARAVINDA

STUDENT : VINAYAK BANAKAR