

**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 – 33<sup>rd</sup> SERIES: 2009-10  
held on 6<sup>th</sup> and 7<sup>th</sup> August 2010 at  
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR**

**BEST COLLEGE OF THE YEAR 2009-10**

**PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET, BELLARY**

**BEST PROJECTS OF THE YEAR (Seminar)**

**1. AGROBACTERIUM TUMIFACIENS MEDIATED GENETIC  
TRANSFORMATION OF ARACHIS HYPOGAEA (GROUNDNUT)**

COLLEGE : R.V. COLLEGE OF ENGINEERING, BANGALORE.  
DEPARTMENT : BIOTECHNOLOGY.  
GUIDE : DR. NAGASHREE N. RAO.  
STUDENTS : PRIYA JACOB  
SHERJIL BOLAR  
NISHA GUPTA

**2. SECONDARY METABOLITES OF ENDOPHYTIC FUNGI FROM  
MEDICINAL PLANTS: A NEW HOPE FOR ANTITUMOR PROPERTY**

COLLEGE : B. V. BHOOMARADDI COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI  
DEPARTMENT : BIOTECHNOLOGY  
GUIDE : MRS. SAVITHA S. DESAI  
STUDENTS : KIRTI PHADKE  
RITA METRANI  
SONAM VANTAMURI  
VARUNI GINIGERI

**3. ANN MODELLING FOR PREDICTION OF STRENGTH PARAMETERS OF  
STEEL FIBRE REINFORCED HIGH STRENGTH CONCRETE**

COLLEGE : K.L.E. SOCIETY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM.  
DEPARTMENT : CIVIL ENGINEERING  
GUIDE : DR. RAJKUMAR V. RAIKAR  
PROF. V. D. GUNDAKALLE  
STUDENTS : LAXMI MALSHET  
VIKHYAT S. KATTI  
APURVA GAONKAR  
SADASHIVA G. AWATI

#### **4. RETINAL AUTHENTICATION**

COLLEGE : HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI, BELGAUM  
DEPARTMENT : COMPUTER SCIENCE & ENGINEERING  
GUIDE : MS. ARUNA A. DAPTARDAR  
STUDENTS : VIJAY PRAKASH SHETTY  
SHIVALEELA ANAND MAHAJAN

#### **5. REAL TIME AUTOMATIC LICENSE PLATE SEGMENTATION AND RECOGNITION SYSTEM**

COLLEGE : SIDDAGANGA INSTITUTE OF TECHNOLOGY. TUMKUR.  
DEPARTMENT : ELECTRONICS AND COMMUNICATION ENGINEERING.  
GUIDE : Dr. R SRIKANTASWAMY  
STUDENTS : ARJUN G.  
ARJUN MAKAM T. V.  
SOWMYA M. V.  
VIMARSH GOWDA M. K.

#### **6. FOLDABLE HELMET**

COLLEGE : SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR  
DEPARTMENT : MECHANICALENGINEERING.  
GUIDE : DR. C. R. RAJASHEKAR  
STUDENTS : BASAVARAJU N. C.  
MANOJ R.  
NARAYANA SWAMY G.  
MANISH N.

#### **7. TREATMENT OF ORGANIC CONSTITUENTS AND NUTRIENTS OF DOMESTIC AND DAIRY EFFLUENT USING SBBR TECHNIQUE**

COLLEGE : VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSORE  
DEPARTMENT : ENVIRONMENTAL ENGINEERING  
GUIDE : ROOPA PRIYA J. K.  
STUDENTS : SOWMYA M. N.  
MAHESH KUMAR M.  
SHALINI S.

#### **8. STUDY OF ENERGY CONSERVATION OF AIT CAMPUS BY ENERGY AUDIT**

COLLEGE : ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKMAGALUR  
DEPARTMENT : ELECTRICAL & ELECTRONICS ENGINEERING  
GUIDE : MRS. A. M. LEELA  
MR. B. H. KRUPAL  
STUDENTS : SHILPA R. M.  
VARSHA G. V.  
SHWETHA C.  
RAJINIKANTH H. S.

## **BEST PROJECTS OF THE YEAR (Exhibit)**

### **9. STUDY ON BEHAVIOUR OF BENDABLE CONCRETE**

COLLEGE : ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHICKMAGALUR.  
DEPARTMENT : CIVIL ENGINEERING  
GUIDE : MR. M. RAMEGOWDA  
STUDENTS : SOMASHEKAR N.  
                  SANDEEP V. S.  
                  UMADEVI C. V.  
                  MADHU K. S.

### **10. WIKIPEDIA**

COLLEGE : PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET  
DEPARTMENT : COMPUTER SCIENCE & ENGINEERING  
GUIDE : MS. MANJULA S. D.  
STUDENTS : RATNA PRABHA P.  
                  MOHAMMED MOHIUDDIN  
                  CHANDRASHEKHAR I.

### **11. IMPROVEMENT IN THE DESIGN AND FABRICATION OF LOW COST FILAMENT WINDING MACHINE**

COLLEGE : JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA  
DEPARTMENT : MECHANICAL ENGINEERING  
GUIDE : DR. K.SABEEL AHMED  
STUDENTS : ASLAM S  
                  MOHAMMED ALI  
                  MOHAMMED ALEEM  
                  JITIN PRAKASH

### **12. POWER GENERATION BY NON-CONVENTIONAL METHODS**

COLLEGE : PROUDHADEVARAYA INSTITUTE OF TECHNOLOGY, HOSPET, BELLARY  
DEPARTMENT : INSTRUMENTATION TECHNOLOGY  
GUIDE : DR. SAVITA SONOLI  
STUDENTS : JAYAPRIYA TUKARAM V.  
                  SHASHIKALA H. PATIL  
                  SWETHA SHYAVI  
                  PRAKASH M. MULLUR

### **13. GLUCK MASCOTT EN FISICAS (VEHICLE FOR PHYSICALLY CHALLENGED)**

COLLEGE : SHIRDI SAI ENGINEERING COLLEGE, BANGALORE  
DEPARTMENT : ELECTRICAL AND ELECTRONICS ENGINEERING  
GUIDE : PRADEEP B. JYOTI  
STUDENTS : AMRUTH P. V.  
                  GOWTHAM N.G.  
                  CHANDAN V.

## **14. NECK MOVEMENT OPERATED WHEEL CHAIR FOR QUADRIPLEGIA**

COLLEGE : K.L.E. SOCIETY'S COLLEGE OF ENGINEERING & TECHNOLOGY, BELGAUM  
DEPARTMENT : ELECTRONICS & COMMUNICATION ENGINEERING  
GUIDE : PROF.HANSRAJ GUHILOT  
STUDENTS : PRAVEEN H SHIPRI  
SUMMAIYA YASMEEN  
RAKESH KAMBLE

## **15. MASTER-SLAVE ROBOTIC ARM USING MICROCONTROLLERS**

COLLEGE : KLS GOGTE INSTITUTE OF TECHNOLOGY, BELGAUM  
DEPARTMENT : ELECTRONICS & COMMUNICATION ENGINEERING  
GUIDE : PROF. ROOPA R. KULKARNI.  
STUDENTS : ABHISHEK LATTHE  
ANUJ KULKARNI  
DIGVIJAY DESAI  
PRATIK SOMANGOUDAR

## **16. AUTOMATIC CONTROL OF WATER SUPPLY AND STREET LIGHTING USING PLC.**

COLLEGE : SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY, TUMKUR  
DEPARTMENT : ELECTRICAL & ELECTRONICS ENGINEERING  
GUIDE : PROF.P. M. CHANDRASHEKARAI AH  
STUDENTS : KIRAN KUMAR T. R.  
UMASHANKAR T. P.  
MOHAN KUMAR G. S.  
PRADEEP N.

## **17. BEVERAGE VENDING MACHINE**

COLLEGE : CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI, TUMKUR  
DEPARTMENT : ELECTRONICS & COMMUNICATION ENGINEERING  
GUIDE : DR. D. S. SURESH KUMAR  
STUDENTS : BALAJI V.  
LOHITH S.  
ANIL KUMAR S.  
YOGISHA V. P.

***To know more about Student Project Programme (SPP), please visit our website  
[www.kscst.iisc.ernet.in/spp.html](http://www.kscst.iisc.ernet.in/spp.html) or [www.kscst.org.in/spp.html](http://www.kscst.org.in/spp.html)***