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

List of projects selected for “PROJECT OF THE YEAR” award  
during the Seminar and Exhibition of Student Projects – 39th SERIES: 2015-16  
held on 19th and 20th August 2016 at  
BLDEA’s Vachana Pitamah Dr. P. G. Halakatti College of Engineering  
& Technology, Vijayapura

BEST PERFORMING COLLEGE AWARD : 2015-16 : 39TH SERIES OF SPP
The Best Performing College Award goes to VSM INSTITUTE OF TECHNOLOGY,  
NIPANI, BELAGAVI. This award has been decided based on the following parameters of projects demonstrated by students such as;

1. Participation in Seminar and Exhibition projects
2. Project Presentation
3. Projects Awarded
4. Innovation and creativeness in the concept

BEST PROJECTS OF THE YEAR (Seminar projects)

MECHANICAL ENGINEERING

BIO-DESIGN AND FABRICATION OF BIO-COMPOSITE HELMET

• ACS COLLEGE OF ENGINEERING, BENGALURU
  GUIDE : MR. SUNIL RAJ B.A
  STUDENTS : MR. BHARATH B
              MR. CHETHAN KUMAR G
              MR. SHIVANNA G
              MR.SYED SAJJAD HUSSAIN

MECHANICAL BEHAVIOUR OF WOOD PLASTIC COMPOSITES

• BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT
  GUIDE : MR. H. M. KADLIMATTI
  STUDENTS : MS. KRUTIKA NAGADA
              MR. AMIT DESAI
              MR. MALLIKARJUN V M
              MR. LOHIT RATHOD

HEAT TRANSFER STUDY OF SYNTHETIC AIR JET FOR EFFECTIVE COOLING

• KLS'S VISHWANATHRAO DESHPANDE RURAL INSTITUTE OF TECHNOLOGY, HALIYAL
  GUIDE : MR. NAVEEN C S
  STUDENTS : MR. PRAJWAL DODDAMANI
              MR. VINAYAK B.
              MR. RAJANI HIREMATH
              MR. SANTOSH JADHAV
EXPERIMENTAL STUDIES ON CUTTING PARAMETERS DURING DRILLING OPERATION OF MILD STEEL USING ECO FRIENDLY VEGETABLE OIL AS CUTTING FLUID

• K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU
  GUIDE : DR. JYOTHI.PN
  STUDENTS : MS. M.SUSMITHA
             MR. SHARAN P

BIOTECHNOLOGY

EXTRACTION AND SCREENING OF GLUCANSUCRASE (GLUCOSYLTRANSFERASE) SPECIFIC INHIBITOR FROM PLANT SOURCE TO PREVENT DENTAL CARIES

• SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE
  GUIDE : MS. PRIYA NARAYAN
  STUDENTS : MR. SRINIDHI UPENDRA BHUJANG

ENVIRONMENTAL ENGINEERING

STUDIES ON NATURAL FIBROUS MATERIALS AS FIXED AERATED BEDS FOR DOMESTIC WASTEWATER TREATMENT

• ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
  GUIDE : MRS. SHRUTHI C G
  STUDENTS : MS. MONIKA K
             MS. ERISA SHILLA
             MS. SEEMA M DODDAMANI
             MR. ADITYA RAM PN

CIVIL ENGINEERING (STRUCTURES)

BIOREMEDIATION OF HEAVY METALS CONTAMINATED SOIL USING COMPOST

• BMS COLLEGE OF ENGINEERING, BASAVANAGUDI, BENGALURU
  GUIDES : MRS. PRATHIMA B
           DR. SAVITHRI BHAT
  STUDENTS : MS. KHUSHBU K. BIRAWAT

SEDIMENT MOVEMENT ALONG HARWADA BEACH, UTTAR KANNDA, WEST COAST OF INDIA

• KLS’S VISHWANATHRAO DESHPANDE RURAL INSTITUTE OF TECHNOLOGY, HALIYAL
  GUIDE : MR. SAGAR WAGHMARE
  STUDENTS : MR. VIJAYANAND LOHAR
             MS. SHRUTIKA GODKHINADI
             MS. SOUBHAGYA KORLUR
             MR. JYOTI JAIN

CIVIL ENGINEERING (NATURAL RESOURCES)

DELINEATION OF WATERSHED AND ESTIMATION OF DISCHARGE OF RIVER SHIMSHA

• CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI, TUMKUR
  GUIDE : MR. MANJUNATHA M KATTI
  STUDENTS : MR. BHARATH H S
             MR. DARSHAN KH
             MR. PAVAN S
             MS. SPOORTHY SADESHIV SHANBHOG
OPTIMIZATION OF FOOD-WASTE BASED BIOGAS DIGESTOR AND ITS IMPLEMENTATION IN RURAL AREAS

- SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALORE
  GUIDE : MR. PRASANNA KUMAR.C
  STUDENTS : MR. BLESSON S
              MR. NIRMITH ASHOK BANGERA
              MR. KOUSHIK M
              MR. ARTHIK RAI

COMPUTER SCIENCE AND ENGINEERING

“KRISHI RELAM” LET THE WAY GROW MORE!!!

- AGM RURAL COLLEGE OF ENGINEERING AND TECHNOLOGY, HUBLI
  GUIDE : MR. RAGHAVENDRA HAVIN
  STUDENTS : MS. AKSHATA S KOTIYAVAR
              MS. VIDYA M MISHRIKOTI
              MS. ASHWINI S HANAMAKKANAVAR

INFORMATION SCIENCE ENGINEERING

SIMPLE SMART CONNECTED CITY APP

- ACHARYA INSTITUTE OF TECHNOLOGY, SOLADEVANAHALLI, BENGALURU
  GUIDE : MR. SRINIVAS K
  STUDENTS : MR. JAY NARAYAN DAS
              MR. LUNAGARIYA DIVYESH
              MS. SHUBHA SHREE N
              MR. SHUBHAM KUMAR

ELECTRONICS AND COMMUNICATION

EXTRACTION AND ANALYSIS OF EEG SIGNALS FOR THE ADHD SYNDROME- A NOVEL APPROACH

- SJB INSTITUTE OF TECHNOLOGY, BENGALURU
  GUIDE : DR. K. V. MAHENDRA PRASHANTH
  STUDENTS : MS. CHANDANA.S
              MR. KARTHIK B BALARAJ
              MS. SUSHMITHA POL
              MS. USHA.P
BEST PROJECTS OF THE YEAR (Exhibition projects)

MECHANICAL ENGINEERING

DESIGN AND FABRICATION OF AUTOMATED MANUAL GEAR TRANSMISSION IN MOTOR BIKES

- K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU
  GUIDE : MR.AKASHDEEP.B.N
  STUDENTS : MR. CHETHAN. J
  MR DARSHAN NAIK
  MS LAKSHMI KESARI
  MR MAHANTHESH S

DEVELOPMENT OF SOIL LOOSENING EQUIPMENT FOR MEDIUM AND LARGE SIZED FIELDS OF SUGARCANE

- JSS ACADEMY OF TECHNICAL EDUCATION, BENGALURU
  GUIDE : DR. B V RAGHAVENDRA
  STUDENTS : MR. SUMANTH S
  MR. RAJESH RAGHAVAN B
  MR. SHREYAS B R
  MR. MONISH CHAVAN R

NEW INSTRUMENTATION SYSTEM TO ENSURE COMPLIANCE OF RTO RULES BY FOUR WHEELER

- GIRIJABAI SAIL INSTITUTE OF TECHNOLOGY, MAJALI, KARWAR
  GUIDE : DR. SURESH MANE
  STUDENTS : MR. ISMAIL SHAIKH
  MR. NANDAN SHETGAONKAR
  MR. CHINMAYE KENKRE
  MR. DROBNEY PLYTON LEITAO

DEVELOPMENT OF PORTABLE FIRE EXTINGUISHER USING ACOUSTIC WAVES

- BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE
  GUIDE : DR. SHARAN A S
  STUDENTS : MR. AKANKSH SARJI
  MR. MOHAN RAM R K
  MR. UTTUNGA

SMART CONVEYANCE FOR PHYSICALLY CHALLENGED PEOPLE

- RR INSTITUTE OF TECHNOLOGY, CHIKKABANAVARA, BENGALURU
  GUIDE : DR. B.N. SATHYANARAYANA REDDY
  STUDENTS : MR. BHOOPENDRA R
  MR. VENUGOPAL B.S
  MR. VIVEK M. KARIGAR
  MR. KIRAN R

PERFORMANCE EVALUATION OF PEDAL AND COMPRESSED AIR POWERED CENTRIFUGAL PUMP

- VSM INSTITUTE OF TECHNOLOGY, NIPANI, BELAGAVI
  GUIDE : PROF. S B BIJALE
  STUDENTS : MR. SIDDALINGA K AINAPURE
  MR. RAJU M HAWALDAR
  MR. VINAYAK KADAM
  MR. VITTAL N PUJERI
CHEMICAL ENGINEERING

FILTRATION AND PURIFICATION OF WATER CONTAMINANTS SUCH AS HEAVY METALS AND DYES USING AGRICULTURE BASED BY-PRODUCTS FOR BIOSORPTION - A COMPREHENSIVE STUDY

- BMS COLLEGE OF ENGINEERING, BASAVANAGUDI, BENGALURU
  GUIDE  :  MRS. SHEETAL SINGH
  DR. SAMITA MAITRA
  STUDENTS  :  MR. RAKSHIT P

CIVIL ENGINEERING

WATSE PLASTIC PYROLYSIS

- BLDEA’S DR. PGH COLLEGE OF ENGINEERING AND TECHNOLOGY, BIJAPUR
  GUIDE  :  MS. ANURADHA. S. TANKSALI
  STUDENTS  :  MR. RUNAL DESAI
  MR. SACHIN PAWAR
  MR. HANAN AHMED
  MR. BASAVARAJ BALKUNDE

COMPUTER SCIENCE AND ENGINEERING

WSN BASED ADVANCED AGRICULTURAL VEHICLE OPERATED USING SMART PHONE – AGRIBOT

- NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY, BENGALURU
  GUIDE  :  DR. PREMJYOTI PATIL
  STUDENTS  :  MS. LAVANYA M
  MS. NEHA SHARMA
  MS. P SAISNIGDHA
  MS. PAVITHRA SHETTY

RATION DISTRIBUTED SYSTEM USING SMART CARD

- JAIN COLLEGE OF ENGINEERING, BELAGAVI
  GUIDE  :  PROF. BHARATI CHILAD
  STUDENTS  :  MS. SANJANA MUTALIKDESAI
  MS. SABARUHEE JAHAGIRDAR
  MS. ASHWINI JADHAV
  MS. KARTIKI DAMANEKAR

IDENTIFYING THE AMOUNT OF FERTILIZATION REQUIRED FOR RICE CROPS USING IMAGE PROCESSING SYSTEM TO INCREASE THE YIELD

- CAMBRIDGE INSTITUTE OF TECHNOLOGY, BENGALURU
  GUIDES  :  DR. SHASHIKUMAR
  MRS JAYANTHI M G
  STUDENTS  :  MS. ROMANA TAZEEN
  MS. SHILPA H N
  MS. USHA P
  MS. YASHASWINI C
ADVANCED 3D IMAGE PROCESSING TECHNIQUE FOR MEDICAL FIELD

- NAGARJUNA COLLEGE OF ENGINEERING & TECHNOLOGY, BENGALURU

  GUIDE : MR. GOPINATH A R
  STUDENTS : MS. BINDUSHREE M
             MS. NAVYA C R
             MS. RANJITHA N
             MS. THEJASWINI K M

ELECTRICAL AND ELECTRONICS ENGINEERING

SOLAR PHOTOVOLTAIC PESTICIDE SPRAYER

- KLE DR. M. S. SHESHGIRI COLLEGE OF ENGINEERING & TECHNOLOGY, BELAGAVI

  GUIDE : PROF. P V KITTUR
  STUDENTS : MS. ROHINI PATIL
             MR. MANGUESH PRASAD
             MS. VIJETA MAHALE
             MS. SOUMYASHREE PATIL

ELECTRICITY GENERATION USING MUNICIPAL SOLID WASTE

- ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BELAGAVI

  GUIDE : PROF. SUPRIYA NARVEKAR
  STUDENTS : MR. DEVENDRA CHAWAN
             MS. ASHVINI DESAI
             MR. MAHESH JAYGONDE
             MS. SNEHA KORE

INSTRUMENTATION TECHNOLOGY

DESIGN OF EMBEDDED SYSTEM FOR REAL TIME TREMOR MEASUREMENT AND ANALYSIS

- MS RAMAIH INSTITUTE OF TECHNOLOGY, BENGALURU

  GUIDE : MS. K M VANITHA
  STUDENTS : MR. JISHNU G
             MS. BHAVANA C

INFORMATION SCIENCE AND ENGINEERING

AN APPLICATION FOR DAIRY FARMERS

- KLE INSTITUTE OF TECHNOLOGY, HUBLI

  GUIDE : MR. NAGARAJ GADAGIN
  STUDENTS : MR. SIVAKOTI SURYAVARDHAN
             MR. ANIT ANGADI
             MS. SHRUTI CHAVAN
             MS. ANNAPURNA KATIMANI

AIR MONITORING USING MICROCONTROLLER

- BLDEA'S DR. PGH COLLEGE OF ENGINEERING AND TECH., VIJAYAPURA

  GUIDE : MS. SHWETA A. PATIL
  STUDENTS : MS. POOJA KAMBI
             MS. TEJASWINI NALAWAR
             MS. AKSHATA VITAPPANAVAR
             MR. SATISH JADHAV
ELECTRONICS AND COMMUNICATION ENGINEERING

HIGH TECH AND SMART TEC HELMET FOR BOTH RIDER AND PILLON USING IOT ENHANCING USER SITUATIONAL AWARENESS AND ACCIDENT REPORTING SYSTEM

- ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKAMAGALUR
  
  GUIDE : MR. MADHU PRAKASH R  
  STUDENTS : MR. KULKARNI NAVEEN SUDHIR  
  MR. KIRTHIRAJ N  
  MS. ANUSHYA Y M  
  MS. ASHA A S

REAL TIME WIRELESS ELECTROCARDIOGRAM AND ITS SIGNAL DISPLAY

- GM INSTITUTE OF TECHNOLOGY, DAVANGERE
  
  GUIDE : MS. ASHA T  
  STUDENTS : MS. AISHWARYA K  
  MR. KARTHIK KUMAR K  
  MR. MADHU KUMAR N R  
  MS. MEGHANA K M

BIOELECTRICAL IMPEDANCE BASED BODY FAT SCANNER

- PA COLLEGE OF ENGINEERING, MANGALORE
  
  GUIDE : PROF. CHANDANA  
  STUDENTS : MS. A MAHALASA PAI  
  MS. DEEPIKA AJAYKUMAR  
  MS. GAYATHRI K M  
  MS. RABIYA SUHAIRA

SMART MACHINE FOR PLASTIC WASTE DISPOSAL

- VSM INSTITUTE OF TECHNOLOGY, NIPANI, BELAGAVI
  
  GUIDE : PROF. K.G. VASEDAR  
  STUDENTS : MR. ALPESH UPADHYE  
  MR. SANDEEP SANKPAL  
  MS. SHEETAL SHINDE  
  MS. VARSHARANI BIVASHE

PROVIDING VOICE ENABLED GADGET ASSISTANCE TO INMATES OF OLD AGE HOME INCLUDING PHYSICALLY DISABLED PEOPLE

- NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, BENGALURU
  
  GUIDE : MRS. KUSHALATHA M.R  
  STUDENTS : MS. ABHIRAMI BALARAMAN  
  MS. AKSHATHA P
B.E Project on Biofuels

DESIGN AND FABRICATION OF ECONOMICALLY VIABLE HYBRID PHOTO-BIOREACTOR (CLOSED BUBBLE COLUMN) PROTOTYPE FOR CULTIVATION OF ELITE MICROALGAE FOR ENHANCED LIPIDS (BIODIESEL) YIELD

- NEW HORIZON COLLEGE OF ENGINEERING, MARATHAHALLI, BENGALURU
  
  GUIDE : MR. R.S. UPENDRA  
  DR. PRATIMA KHADELWAL  
  STUDENTS : MS. AAKRUTI RUIA  
  MS. AMULYA GRACE  
  MS. ANJALI TIWARI  
  BRANCH : AUTOMOBILE ENGINEERING

PRODUCTION OF CLEAN BIOFUEL FROM MICRO ALGAE

- R.V. COLLEGE OF ENGINEERING, BANGALORE
  
  GUIDE : PROF. SHIVANDAPPA  
  STUDENTS : MS. VIDYASHREE S  
  MS. NAVYASHRI S  
  BRANCH : AUTOMOBILE ENGINEERING

COMPARISONS OF PERFORMANCE EMISSION TEST USING BIODIESEL FROM SIMAROUBA AND WASTE COOKING OIL IN A C.I. ENGINE

- RURAL ENGINEERING COLLEGE HULKOTI, GADAG
  
  GUIDE : PROF. SIDDESH N.  
  STUDENTS : MR. MANJUNATH B. SASI  
  MR. AVINASH A. HULIGOL  
  MR. JISHAAN D. SIRSANGI  
  MR. MANJUNATHA CHAVADI  
  BRANCH : MECHANICAL

PRODUCTION AND PURIFICATION OF LIQUID FUEL BY HOUSEHOLD PLASTIC WASTE FOR IC ENGINE

- VSM INSTITUTE OF TECHNOLOGY, NIPANI
  
  GUIDE : PROF. SANTOSH K HULLOLI  
  STUDENTS : MR. MAHESH B KUTOLI  
  MR. KALLAPPA S SHEGUNSHI  
  MR. MITHUN A IMAGOUDANAVAR  
  MR. AMIT S MALAJI  
  BRANCH : MECHANICAL ENGINEERING
MBA, Project on Biofuels

FINANCIAL AND ECONOMIC ASSESSMENT OF BIODIESEL PRODUCTION AND USE IN BANGALORE

- M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE
  GUIDE : DR. Y.M. SATISH
  STUDENTS : MS. DIVYASHREE R
             MS. GOWTHAMI S
             MS. KIRAN CHAUDRY R
             MR. HITESH C

M.Tech., Project on Biofuels

VALIDATION OF CST DESIGN 3-STAGE CONTINUOUS BIOREACTOR FOR SEWAGE FED LAKE RESTORATION ALONG WITH ALGAL BIOMASS RECOVERY FOR BIOFUEL PRODUCTION

- BMS COLLEGE OF ENGINEERING, BANGALORE
  GUIDE : DR. CHANAKYA H.N
          DR. SAMPATH KUMAR M.C.
  STUDENTS : MS. AFREEN AMAN
            BRANCH : ENVIRONMENTAL ENGINEERING

M.Sc., Project on Biofuels

BIOCONVERSION OF BIODIESEL DERIVED CRUDE GLYCEROL TO POLYHYDROXYALKANOTES / POLYHYDROXYBUTRATE (PHA/PHB)

- GULBARGA UNIVERSITY, KALABURAGI
  GUIDE : PROF. G.R. NAIK
          MR. PRAMOD BHIMRAO KULKARNI
  STUDENTS : MS. KOMAL SANJAY TIMANE
             MS. SHOBHA GUDUR
             MR. VISHNU JADHAV

EXHIBITION PROJECT

B.E Project

HYDROGEN FUEL CELL VEHICLE

- T. JOHN GROUP OF TECHNOLOGY, BANGALORE
  GUIDES : DR. SUJITH PRASAD E
  STUDENTS : MR. VIVEKANANDA M.
             MR. ABHISHEK G. SHETTY
             MR. HARSHA S.
             MR. MAHANTESH MADIWALAR
  BRANCH : MECHANICAL ENGINEERING