

# 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 – 40<sup>th</sup> SERIES: 2016-2017 held on 11<sup>th</sup> and 12<sup>th</sup> August 2017 at NMAM Institute of Technology, Nitte**

## **BEST PERFORMING COLLEGE AWARD : 2016-17 : 40<sup>TH</sup> SERIES OF SPP**

The Best Performing College Award goes to **St Joseph Engineering College, Vamanjoor, Mangaluru**. 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
5. Practical Significance of the project in addressing societal cause, community use, etc
6. College Background – Rural / Urban

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

### **AUTOMOBILE ENGINEERING**

#### **1. COMPARATIVE STUDY OF PERFORMANCE AND EMISSION CHARACTERISTICS OF FOUR S I ENGINE UNDER VARIOUS BIO LUBRICANTS**

- MALNAD COLLEGE OF ENGINEERING, HASSAN  
GUIDE : DR. Y M SHASHIDHARA  
STUDENTS : MR. HAMSARAJ  
MR. JITHIN KUMAR RAI D  
MS. AKHILA KAUSHIK  
MS. CHARAN RAJ B C

### **BIOTECHNOLOGY**

#### **2. REGENERATION, ELICITATION OF BIOACTIVE COMPOUND EXTRACTED FROM ENDANGERED MEDICINAL PLANT MUCUNA PRURIENS AND STUDY OF ITS INHIBITION ACTIVITY USING BIOMOLECULAR SIMULATION STUDIES**

- RV COLLEGE OF ENGINEERING, BENGALURU  
GUIDES : DR. LINGAYYA HIREMATH  
MR. SHIVANANDAPPA  
STUDENTS : MS. SHRUTHI I LALASANG

#### **3. ISOLATION AND IDENTIFICATION OF MICROLABS FOR ABSORPTION AND CONVERSION OF AMMONIA, NITRATES AND NITROGEN USING AQUAPONICS SYSTEM**

- SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU  
GUIDES : MRS. BLESSY BABY MATHEW  
MRS. SARANYA D  
MR. ANANDA H V and DR. ANANDA S  
STUDENTS : MR. MOHAN KUMAR N  
MR. JAI KARTHIK J

## CHEMICAL ENGINEERING

### 4. OPTIMIZATION OF BIOGAS PRODUCTION USING CHEMICAL ADDITIVES

- MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL  
GUIDE : DR. GAUTHAM JEPPU  
MR. KARTHIKA M  
STUDENTS : MR. HIMANSHU GOYAL  
MS. ASPHA MOHANTI  
MR. ABHISHEK

### 5. ELUCIDATING NANOPARTICLE-CELL INTERACTION FOR RATIONALE DESIGN OF INTRACELLULAR DRUG DELIVERY

- SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU  
GUIDE : DR. SUDHIR H RANGANATH  
STUDENTS : MS. ANISHA  
MS. AFRAH  
MS. ISIRI H L

## CIVIL ENGINEERING

### 6. APPLICATION OF IRON NANO PARTICLES (INP) FOR REMOVAL OF ARSENIC FROM GROUND WATER

- BASAVESHWARA ENGINEERING COLLEGE, BAGALKOTE  
GUIDE : DR. C B SHIVA YOGIMATH  
STUDENTS : MS. MITHALI  
MS. KAVYA J  
MS. UMA J PATKI  
MS. USHA DHANER

### 7. SOIL STABILIZATION USING GEOSYNTHETIC MATERIAL (BAMBOO FIBERS)

- KLS VISHWANATHRAO DESHPANDE RURAL INSTITUTE OF TECHNOLOGY, UTTAR KANNADA  
GUIDE : PROF. ASHIK BELLARY  
STUDENTS : MR. NAGARAJ KASHILKAR  
MS. AROJA MIRASHI  
MR. PRASHANT PATIL  
MS. RAJESHWARI SHETTY

### 8. E3 SHELTER

- NMAM INSTITUTE OF TECHNOLOGY, NITTE  
GUIDE : DR. RADHAKRISHNAN K  
STUDENTS : MS. SOUMYA SUNILKUMAR MESTA  
MR. SHUBHAM KUMAR GUPTA  
MR. SHIVAM KUMAR  
MR. VISHAL LAHKAR

### 9. CONVERSION OF SPENT COFFEE GROUNDS INTO RENEWABLE ENERGY

- SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD  
GUIDE : DR. S G JOSHI  
STUDENTS : MS. MADHU B RAIBAGI  
MS. AKSHATA Y SHERKHANE  
MS. MEGHA M EXAMBI  
MS. NIDHI D JAIN

## **COMPUTER SCIENCE AND ENGINEERING**

### **10. VOICE BASED E-MAIL FACILITY FOR THE VISUALLY CHALLENGED PEOPLE**

- NMAM INSTITUTE OF TECHNOLOGY, NITTE  
GUIDE : MR. VIJAYA MURARU T  
STUDENTS : MS. PARUL JHA  
MS. SIKSHA KUMARI  
MS. NISHA PAI  
MS. PRATMIKA NAYAK

### **11. BIG DATA ANALYTICS TO IDENTIFY AGRICULTURE CROP AND AQUACULTURE FISH BASED DISEASES AND RECOMMENDATION OF A SOLUTION**

- IMPACT COLLEGE OF ENGINEERING AND APPLIED SCIENCES, BENGALURU  
GUIDE : DR. B R MOHAN  
STUDENTS : MS. ANANYA R  
MR. KIRAN VASISHTA T S  
MS. SHILPARANI J

## **ELECTRICAL AND COMMUNICATION ENGINEERING**

### **12. FABRICATION OF GRAPHENE WITH ACTUATE CARBON MADE FROM COW DUNG AS ELECTRODE MATERIAL FOR ELECTROCHEMICAL SENSOR - A BIOMEDICAL APPLICATIONS**

- KLE INSTITUTE OF TECHNOLOGY, HUBBALLI  
GUIDE : PROF. RAVI HOSAMANI  
STUDENTS : MS. PUSHPA M H  
MS. ANUSHA S C  
MS. SNEHA S P  
MS. POOJA U BHAT

### **13. AN INTELLIGENT MOBILE APPLICATION FOR DETERMINATION OF HUMAN EYE SPECTACLE NUMBER**

- KLE SOCIETY'S KLE COLLEGE OF ENGINEERING AND TECHNOLOGY, CHIKKODI  
GUIDE : PROF. VIJAY L HALLAPPANAVAR  
STUDENTS : MS. NETRAVATI R SUNAGAR  
MS. ANURADHA M KUDATARKAR  
MS. POORNIMA S SUNAGAR

## **ELECTRICAL AND ELECTRONICS ENGINEERING**

### **14. PULSED ELECTRIC POWER BASED ENGINE EXHAUST CLEANING**

- BMS COLLEGE OF ENGINEERING, BASAVANAGUDI, BENGALURU  
GUIDE : PROF. D RAMESH KUMAR  
STUDENTS : MS. DEEKSHA H C  
MS. CHINMAYI MOHAN  
MS. PRIYANKA KALIWAL  
MS. M SHEYAMALA

## **INFORMATION SCIENCE ENGINEERING**

### **15. AGRIBOOK (SOCIAL WEBSITE FOR AGRICULTURE)**

- PES INSTITUTE OF TECHNOLOGY AND MANAGEMENT, SHIVAMOGGA  
GUIDE : MR. ARJUN U  
STUDENTS : MS. SWETHA N H  
MS. SHREEYA P JAIN  
MR. SANDESH MUTTU B P  
MR. DHREERAJ T S

## **MECHANICAL ENGINEERING**

### **16. DESIGN, DEVELOPMENT AND TESTING OF MODEL WIND MILL BLADE USING ADDITIVE MANUFACTURING PROCESS**

- SECAB INSTITUTE OF ENGINEERING AND TECHNOLOGY, VIJAYAPURA  
GUIDE : MR. SHASHIDHAR A L  
MR. BASAVAROODH A BADIGER  
STUDENTS : MR. JAMEER PASHA  
MR. SIBGATULLA KHAN  
MR. SHAMSHER ALAM  
MR. TAHA KHAN

### **17. AERO-BLENDING OF ETHANOL FOR INTERNAL COMBUSTION ENGINE**

- ST. JOSEPH ENGINEERING COLLEGE, MANGALURU  
GUIDE : DR. JOSEPH GONSALVIS  
STUDENTS : MR. ROHAN MANUEL D SOUZA  
MR. ROYDON MANVEL D SOUZA  
MR. STEPHEN ERIC MADTHA  
MR. SHELDON WILBERT D SOUZA

### **18. SUGARCANE PLANTATION EQUIPMENT**

- BLDEA'S V P DR. P G HALAKATTI COLLEGE OF ENGG., AND TECHNOLOGY, VIJAYAPURA  
GUIDE : PROF. SAMEER S KULKARNI  
STUDENTS : MR. RAKESH KULKARNI  
MR. RAJENDRA SANAL  
MR. SACHIN PATIL  
MR. CHISTI HASAN MASALI

### **19. STUDIES ON INVERSE DIFFUSION FLAMES AND HEAT TRANSFER USING INVERSE DIFFUSION FLAME BURNER**

- KLS VISHWANATHRAO DESHPANDE RURAL INSTITUTE OF TECH., UTTAR KANNADA  
GUIDE : PROF. SHANKAR BADIGER  
STUDENTS : MR. RAGHAVENDRA PATTAR  
MS. PRIYANKAJAYARAMRAJU  
MR. ROHIT CHANDRU NAIK  
MR. SHIVAREDDI G KONAREDDI

# **BEST PROJECTS OF THE YEAR (Exhibition projects)**

## **AUTOMOBILE ENGINEERING**

### **20. DESIGN AND FABRICATION OF LOW COST TRICYCLE FOR HANDICAPS USING STEERING COLUMN PROPULSION**

- BLDEA'S V P DR. P G HALAKATTI COLLEGE OF ENGINEERING AND TECH., VIJAYAPURA  
GUIDE : PROF. IRESH G BHAVI  
STUDENTS : MR. SHIVRAJ KAROSHI  
MR. GANGADHAR KORI  
MR. ABDULKUDDUS N MANOLI  
MR. JYOTEPPA ATHANI

## **CHEMICAL ENGINEERING**

### **21. EXTRACTION OF CHITIN FROM PRAWN SHELL, PREPARATION OF CHITOSAN BY BIOLOGICAL METHOD AND APPLICATION**

- SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD  
GUIDE : PROF. RASHMI S H  
STUDENTS : MR. MAHENDRA  
MR. BASAVARAJ BIRADAR  
MR. KRISHNAJI MALADKAR

## **CIVIL ENGINEERING**

### **22. DEVELOPMENT OF NOISE ABSORBING COMPOSITE MATERIALS USING AGRO WASTE PRODUCTS**

- SCHOOL OF ENGINEERING AND TECHNOLOGY, JAIN UNIVERSITY, BENGALURU  
GUIDE : PROF. M.R. PRANESH  
STUDENTS : MS. TEJASWINI M.  
MR. NAGENDRA K.S.  
MS. SOWJANYA H.S.  
MR. SUNIL KUMAR K

## **COMPUTER SCIENCE AND ENGINEERING**

### **23. 24X7 LIFELINE CHIP FOR MILITANTS**

- GIRIJABAI SAIL INSTITUTE OF TECHNOLOGY, KARWAR  
GUIDE : PROF. SANTOSH ANAND  
STUDENTS : MS.SHWETA S. NAIK  
MS. MEGHA R VERNEKAR  
MS. NIDHI D NAIK

### **24. ELECTRONIC STUDENT PROJECT PROPOSAL**

- JYOTHY INSTITUTE OF TECHNOLOGY, BENGALURU  
GUIDE : MR. NIRANJAN R CHOUGALA  
MR. KUMAR B I D  
STUDENT : MR. VISHAL SRINIVAS

## **ELECTRICAL AND COMMUNICATION ENGINEERING**

### **25. PREPAID PAYMENT FOR UTILITIES**

- DAYANANDA SAGAR COLLEGE OF ENGINEERING, BENGALURU  
GUIDE : PROF. CHANDRASEKHARA N.  
STUDENTS : MR. DARSHAN N.  
MS. BHAVANA KULKARNI K.  
MS. BINDUSHREE  
MR. GOUTHAM S.

### **26. WIRELESS SAFE, SMART AND SECURED DRIVING SYSTEM**

- KLE DR. M.S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAVI  
GUIDE : DR. RAJASHRI KHANAI  
STUDENTS : MS. ASHWINI PAWALE  
MS. AISHWARYA ADAKE  
MS. SNEHAL CHOUGULE  
MS. PRIYANKA KARADE

### **27. SMART WATER METER USING WIRELESS NETWORKING**

- M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU  
GUIDES : PROF. SARALA S M  
PROF. G S RAMESH SHARMA  
STUDENTS : MS. GULABI MANDAL  
MS. HARSHITHA S V  
MR. HRISHIKEWSH AIYAPPA  
MS. CANDICE GALLYOT

### **28. IOT BASED SMART PUBLIC DISTRIBUTION SYSTEM**

- SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU  
GUIDE : MRS. S MALA  
STUDENTNS : MR. MALLIKARJUN B S  
MR. ANIL  
MS. MEGHANA R V  
MS. BINDUSHREE M S

### **29. A SMART WRIST BAND BASED HUMAN INTERFACE DEVICE FOR PWD**

- THE OXFORD COLLEGE OF ENGINEERING, BENGALURU  
GUIDES : PROF. DR. PREETA SHARAN  
PROF. MR. JAYARAJ N.  
STUDENTS : MS. SUSHRUTHA H.B.  
MS. MANJULA RAMANNA KURI  
MS. PRAGATHI A.R.  
MS. PAVITHRA M.

### **30. AUTOMATED RUBBER TAPERING MACHINE**

- VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR  
GUIDE : MS. SANGEETHA B L  
STUDENTS : MR. NANDANA SHYAMA P  
MR. MADHURAJ M N  
MR. VINAYAKA NAYAK N  
MR. ATHUL SANKER N

## **ELECTRICAL AND ELECTRONICS ENGINEERING**

### **31. ARECANUT TREE CLIMBER AND PESTICIDE SPRAYER**

- ST. JOSEPH ENGINEERING COLLEGE, MANGALURU  
GUIDE : PROF. DIVYA K PAI  
STUDENTS : MR. JNANASAGAR KAMATH  
MR. JNANESH BEKAL  
MR. NIXON D'SOUZA  
MR. MANJUNATH K

## **INFORMATION SCIENCE AND ENGINEERING**

### **32. DEVELOPING ERP FOR TORQUE, DIMENSION AND ELECTRICAL CALIBRATION FOR FLUTECH ENGINEERING PVT. LTD**

- BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT, YELAHANKA, BENGALURU  
GUIDE : PROF. ASHWINI N.  
STUDENTS : MR. DHEERAJ A.S.  
MR. ADITYA BHAT  
MR. MOHAMMED ZAID

### **33. DEVELOPMENT OF DATA ACQUISITION FOR UNDERGROUND WATER AND GAS PIPELINE LEAKAGE MONITORING USING IOT**

- HKBK COLLEGE OF ENGINEERING, BENGALURU  
GUIDES : PROF. SYED MUSTAFA A  
MRS. SAVITHRI RAMESH  
STUDENTS : MS. NEETHI RAMAIAH  
MS. DIVYA P  
MS. POORNIMA P

## **MECHANICAL ENGINEERING**

### **34. DESIGN AND FABRICATION OF COIN OPERATED PORTABLE WATER VENDING MACHINE**

- ATME COLLEGE OF ENGINEERING, MYSURU  
GUIDE : MR. RAKSHITH N  
STUDENTS : MR. D V RAAGU  
MR. GAYAZ MOHAMED  
MR. MD MOHIYUDDIN SHARIFF  
MR. MOHAMMED YASEEN AHMED

### **35. DESIGN AND FABRICATION OF MULTI PURPOSE ROBUST CUTTING MACHINE FOR AGRICULTURAL**

- VSM INSTITUTE OF TECHNOLOGY, NIPPANI  
GUIDE : PROF. MAHADEV N. HARKUDE  
STUDENTS : MR. AKASH K. CHOUGULE  
MR. SWAPNIL B. NIMBALKAR  
MR. SURAJ B. PATIL  
MR. AKSHAY G. HUNSHALE

### **36. MULTITALENTED ROBOT MACHINE FOR ARECANUT FARMING TO AVIOD ARECANUT WASTE**

- VSM INSTITUTE OF TECHNOLOGY, NIPPANI  
GUIDE : PROF. AMAR V. NAVALIHALKAR  
STUDENTS : MR YUVARAJ D. PATIL  
MR. ZABIULLA B. NADAF  
MR. NANDKUMAR B. PATIL  
MR. KIRAN B. HAJARE

### **37. AUTOMATED PROSTHETIC LEG**

- AMC ENGINEERING COLLEGE, BENGALURU  
GUIDES : PROF. MADHU MOHAN R  
DR. GIRISHA C  
STUDENTS : MR. VENKATESH PAVAN M  
MR. J PURUSHOTHAMA  
MS. ANUSHA P S  
MR. ABHILASH P

### **38. DESIGN AND FABRICATION OF MULTIPURPOSE AGRICULTURAL EQUIPMENT**

- CITY ENGINEERING COLLEGE, BENGALURU  
GUIDE : MR. SAMPATH H P  
STUDENTS : MR. KIRAN B  
MR. PRAMODH H N  
MR. KARTHIK S  
MR. MANOJ KUMAR K V

### **39. CONVERSION OF WASTE BAGASSE TO BIO-OIL BY PYROLYSIS AND UTILIZATION OF ITS PRODUCTS**

- BILURU GURUBASAVA MAHASWAMIJI INSTITUTION OF TECHNOLOGY, BAGALKOTE  
GUIDE : PROF. H V MULIMAN  
STUDENTS : MR. SHRINATH P KHOT  
MR. VINOD K TIPPIMATH  
MR. NAVEEN S HALLAD  
MR. PARASHURAM K BENNI

### **40. DESIGN AND FABRICATION OF AN ARTIFICIAL LEG MECHANISM FOR ABOVE-KNEE AMPUTEES**

- KLE DR. M.S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAVI  
GUIDES : PROF. SATISH HULAMANI  
PROF. U B KADABADI  
STUDENTS : MR. ABHISHEK D PATTANSHETTI  
MS. AFREEN GOVE  
MR. DARSHAN RAIKAR  
MR. NITISH S CHAVAN

## **MECHATRONICS**

### **41. MINE EXPLORATION, RECOVERY AND SECURING INSTRUMENT (MERSI)**

- ACHARYA INSTITUTE OF TECHNOLOGY, BENGALURU  
GUIDE : PROF. RANGANATH GOWDA L  
STUDENTS : MR. KUMAR DHARUV RAMAKRISHNAN  
MR. NAUMAN IBRAHIM  
MR. AKSHAY VERNEKAR  
MS. ANVITHA GATTAMANENI

## **TELECOMMUNICATION ENGINEERING**

### **42. IMPLEMENTATION OF SPATIAL AUGMENTED REALITY TO CONTROL ROBOTIC ARM**

- K S INSTITUTE OF TECHNOLOGY, BENGALURU  
GUIDE : PROF. K. SENTHIL BABU  
STUDENTS : MR. BHARATH GOWDA P S  
MR. RAHUL KUMAR A  
MS. SIRISHA N S  
MS. NISHKALA



## **TEXTILE ENGINEERING**

### **43. DESIGN AND DEVELOPMENT OF NATURAL PLANT FIBRE EXTRACTING MACHINE**

- BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANGERE  
GUIDE : DR. K MURUGESH BABU  
STUDENTS : MR. GANESH R  
MS. LAVANYA V  
MS. SHUBHA B V

## **BEST PROJECTS OF THE YEAR (Biofuel projects) SEMINAR PROJECTS**

## **B.E Project on Biofuels**

## **CIVIL ENGINEERING**

### **1. SUSTAINABLE ENERGY GENERATION BY BIOFUEL CELL FROM SEPTIC TANK**

- NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU  
GUIDE : DR. K. KUMAR  
STUDENTS : MS. YOGASHREE G.  
MR. VIVEK KUMAR  
MR. SANESH REGMI  
MS. SHALINEE SINGH

## **MECHANICAL ENGINEERING**

### **2. DESIGN AND FABRICATION OF SIMAROUBA GLAUCA SEED DEPULPING MACHINE**

- SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU  
GUIDE : MR. OMKARESH B.R.  
STUDENTS : MR. MANIKANTA B.  
MR. NAVEEN KUMAR BADIGER A.  
MS. KUSUMA C.

### **3. ACETYLENE USED AS ALTERNATIVE FUEL IN PETROL ENGINE**

- SRI TARALABALU JAGADGURU INSTITUTE OF TECHNOLOGY, RENE BENNUR  
GUIDE : MR. VINAYAK KOPPAD  
STUDENTS : MR. RAKESH R. DWARAPALAK  
MR. HARISH A. HARIBAL  
MR. ABDUL RAHAMAN M. SUNNAKHAN  
MR. SANTOSH P. ULLAGADDI

### **4. PRODUCTION OF BIODIESEL FROM MANILKARA ZAPOTA (CHIKOO OR SAPODILLA) SEED OIL AND PERFORMANCE CHARACTERISTICS STUDY ON SINGLE CYLINDER CI ENGINE**

- AMRUTHA INSTITUTE OF ENGINEERING AND MANAGEMENT SCIENCES, BIDADI  
GUIDE : MR. RAMESH N.  
STUDENTS : MR. S. NAVEEN KUMAR  
MR. G.E. JAIKRISHNA  
MR. AKASH B.K.

## **5. PERFORMANCE TEST ON 4 STROKE SINGLE CYLINDER DIESEL ENGINE USING DIESEL BLENDED WITH CORN ETHANOL AS A FUEL**

- CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI  
GUIDE : MR. NAGESH S.B.  
STUDENTS : MR. MANU A.S.  
MR. KOUSHIK T.M.  
MR. MAHENDRA D.M.  
MR. K. VARUN KUMAR

### **M.Tech.**

## **6. PRODUCTION OF BIODIESEL FROM DAIRY WASH WATER SCUM THROUGH HETEROGENEOUS CATALYST AND PERFORMANCE EVALUATION OF TBC DIESEL ENGINE FOR DIFFERENT DIESEL AND METHANOL BLEND RATIOS**

- CENTRE FOR POST GRADUATE STUDIES, MYSURU  
GUIDE : MR. KRISHNAMURTHY K.N.  
STUDENT: MR. VENKATESH B.J.

### **M. Sc., AGRICULTURAL BIOCHEMISTRY**

## **7. BIODIESEL AND BIOETHANOL PRODUCTION FROM THE TERRESTRIAL ALGAE AND THEIR BYPRODUCTS**

- COLLEGE OF AGRICULTURE (UAS), HASSAN  
GUIDE : MR. MOHAN CHAVAN  
STUDENT : MR. MANOJ B.S.

### **M. Sc., FORESTRY AND ENVIRONMENTAL SCIENCE**

## **8. STUDIES ON BIOAVAILABILITY OF NUTRIENTS IN DECOMPOSED CRUSHED SEEDS, OIL CAKES AND DEOILED CAKES OF NEEM (AZADIRACHTA INDICA)**

- UNIVERSITY OF AGRICULTURAL SCIENCE, GKVK, BENGALURU  
GUIDE : DR. K.T. PRASANNA  
STUDENTS : MR. KIRAN S.C.

### **MBA**

## **9. COST BENEFIT ANALYSIS OF BIO DIGESTER INSTALLED AT SAHYADRI FOOD COURT**

- SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, ADYAR, MANGALURU  
GUIDE : DR. K. VIDYAVATHI  
STUDENTS : MR. SHAROOK B  
MS. SAYONA A JOSEPH  
MR. WILSON MASCARENHAS  
MS. MOKSHA D.S

## **EXHIBITION PROJECTS**

### **M. Tech.,**

## **10. SYNTHESIS AND CHARACTERIZATION OF PHENOL BASED POLYMERIC RESIN, EXTRACTED FROM CASHEW NUT SHELL LIQUID (CNSL) OIL FOR INDUSTRIAL APPLICATIONS**

- R. V. COLLEGE OF ENGINEERING, BENGALURU  
GUIDES : DR. M.S. KRUPASHANKARA  
DR. SHAMAAN M.P.  
STUDENT : MR. BISHAK ROY CHOUDHURY