



NEWS LETTER

MECHANICAL ENGINEERING

2021-2022



KSSEM
K. S. SCHOOL OF ENGINEERING AND MANAGEMENT



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)



KSRIF



ABOUT THE DEPARTMENT



WITH THE INCEPTION OF KS SCHOOL OF ENGINEERING AND MANAGEMENT, DEPARTMENT OF MECHANICAL ENGINEERING WAS STARTED IN THE YEAR 2010 WITH A VISION OF DELIVERING THE SOCIETY A WORLD CLASS UNDER-GRADUATE AND GRADUATE PROGRAMME IN ENGINEERING STUDIES. STUDENTS ENTER THE MECHANICAL ENGINEERING BRANCH IN THEIR SECOND YEAR (THIRD SEMESTER) AFTER COMPLETING ONE YEAR (TWO SEMESTERS) OF GENERAL ENGINEERING STUDIES.

THE MECHANICAL ENGINEERING CURRICULUM IS DESIGNED TO PROVIDE A WIDE RANGE OF WORLD CLASS OPPORTUNITIES IN MECHANICAL ENGINEERING DOMAIN. THE STRUCTURE OF THE PROGRAM HAS A COMBINATION OF HANDS-ON ACTIVITIES IN ADDITION TO THE TRADITIONAL ACADEMIC TEACHING FOR FACILITATING STUDENTS A BALANCE BETWEEN THE PRACTICAL APPROACH AND ANALYTICAL SKILLS REQUIRED TO BECOME A SUCCESSFUL ENGINEER. IN ADDITION TO THE COURSES OFFERED IN MECHANICAL ENGINEERING, STUDENTS ARE ALSO FACILITATED WITH A CHANCE TO ELECT COURSES OF THEIR CHOICE FROM OTHER PROGRAMMES LIKE ELECTRONICS AND COMMUNICATION ENGINEERING, ELECTRICAL AND ELECTRONICS ENGINEERING, COMPUTER SCIENCE, AND CIVIL ENGINEERING.

THE LABORATORY EXPERIENCES REINFORCE IN THEM THE CONTENT PRESENTED IN COURSE AND PROVIDES THEM AN OPPORTUNITY TO INVOLVE THEMSELVES INDIVIDUALLY IN THE PRESENCE OF FACULTY AND TECHNICAL SUPPORT STAFF. AN EXPOSURE TO CURRENT INDUSTRIAL SCENARIO IS PERIODICALLY ADMINISTERED THROUGH CONFERENCES, WORKSHOPS, SEMINARS, AND INDUSTRIAL VISITS. IN ADDITION, FACULTY MEMBERS HAVE PROVEN THEIR COMPETENCES BY GUIDING STUDENTS ON LIVE PROJECTS THAT WERE SPONSORED BY RENOWNED RESEARCH INSTITUTES. THE RESEARCH AND DEVELOPMENT ACTIVITIES IN THE DEPARTMENT ARE WELL BACKED BY THE ON-GOING RESEARCH ACTIVITIES.

MECHANICAL ENGINEERING DEPARTMENT AT KSSEM IS ESTABLISHED FOR BRINGING OUT NOVEL IDEAS, DEVELOP ORIGINAL RESEARCH, APPLY YOUR KNOWLEDGE IN INDUSTRY OR FIND A FLEXIBLE JOB THAT FITS WITH THE STUDENT PERSONAL GOALS/FAMILY GOALS. A DEGREE IN MECHANICAL ENGINEERING WILL PLACE THE STUDENT ON A PATH TO A RIGHT AND BRIGHT FUTURE.

1. INDUSTRIAL VISIT TO AGRICULTURAL ENGINEERING @ GKVK CAMPUS,BANGALORE ON 03/12/2021 INDUSTRIAL VISIT TO AGRICULTURAL ENGINEERING @ GKVK CAMPUS,BANGALORE ON 03/12/2021 INDUSTRIAL VISIT TO AGRICULTURAL ENGINEERING @ GKVK CAMPUS,BANGALORE ON 03/12/202

THE DEPARTMENT OF MECHANICAL ENGINEERING HAD ORGANIZED A DAY VISIT TO COLLEGE OF AGRICULTURAL THE DEPARTMENT OF MECHANICAL ENGINEERING HAD ORGANIZED A DAY VISIT TO COLLEGE OF AGRICULTURAL THE DEPARTMENT OF MECHANICAL ENGINEERING HAD ORGANIZED A DAY VISIT TO COLLEGE OF AGRICULTURAL ENGINEERING, UNIVERSITY OF AGRICULTURAL SCIENCES AT GKVK CAMPUS, BANGALORE. THE STUDENTS OF 5TH AND ENGINEERING, UNIVERSITY OF AGRICULTURAL SCIENCES AT GKVK CAMPUS, BANGALORE. THE STUDENTS OF 5TH AND ENGINEERING, UNIVERSITY OF AGRICULTURAL SCIENCES AT GKVK CAMPUS, BANGALORE. THE STUDENTS OF 5TH AND 7TH SEMESTER ALONG WITH MR. PRABHU K S AND MR NISHANTH NAG, PROFESSOR, ME VISITED DIFFERENT 7TH SEMESTER ALONG WITH MR. PRABHU K S AND MR NISHANTH NAG, PROFESSOR, ME VISITED DIFFERENT 7TH SEMESTER ALONG WITH MR. PRABHU K S AND MR NISHANTH NAG, PROFESSOR, ME VISITED DIFFERENT DEPARTMENTS AROUND THE CAMPUS AND GOT-TO KNOW ABOUT VARIOUS AGRICULTURAL EQUIPMENT AND FOOD DEPARTMENTS AROUND THE CAMPUS AND GOT-TO KNOW ABOUT VARIOUS AGRICULTURAL EQUIPMENT AND FOOD DEPARTMENTS AROUND THE CAMPUS AND GOT-TO KNOW ABOUT VARIOUS AGRICULTURAL EQUIPMENT AND FOOD PROCESSING METHODS. DR RAVIKUMAR, PROFESSOR & HEAD, DEPARTMENT OF AGRICULTURAL ENGINEERING, PROCESSING METHODS. DR RAVIKUMAR, PROFESSOR & HEAD, DEPARTMENT OF AGRICULTURAL ENGINEERING, PROCESSING METHODS. DR RAVIKUMAR, PROFESSOR & HEAD, DEPARTMENT OF AGRICULTURAL ENGINEERING, GUIDED THE STUDENTS IN UNDERSTANDING DIFFERENT CONCEPTS AND DEVICES USED IN THE CAMPUS. GUIDED THE STUDENTS IN UNDERSTANDING DIFFERENT CONCEPTS AND DEVICES USED IN THE CAMPUS. GUIDED THE STUDENTS IN UNDERSTANDING DIFFERENT CONCEPTS AND DEVICES USED IN THE CAMPUS.





2. UNDERSTANDING SUPPLY CHAINS-A WEBINAR ORGANIZED BY DEPARTMENT OF MECHANICAL ENGINEERING, KSSEM ON 16TH DECEMBER,2021

DR. MILIND SAKHARDANDE, GOA, INDIA, ASSOCIATE PROFESSOR IN MECHANICAL ENGINEERING, GOA COLLEGE OF ENGINEERING, GOA DELIVERED A TALK ON “UNDERSTANDING SUPPLY CHAINS” ON 16/12/2021 THROUGH ONLINE PLATFORM. DR. BALAJI B, HEAD OF MECHANICAL ENGINEERING WELCOMED THE SPEAKER AND MR VINOD A, ASSISTANT PROFESSOR, ME BRIEFED THE BIODATA OF THE SPEAKER. THE STUDENTS FROM 3RD ,5TH & 7TH SEMESTER AND FACULTIES ATTENDED THE WEBINAR AND GOT THE INSIGHT OF SUPPLY CHAIN MANAGEMENT SYSTEM. THE PROGRAM WAS CONCLUDED WITH THE INTERACTIONS FROM STUDENTS AND FACULTIES WITH THE SPEAKER AND DR JYOTHI, PROFESSOR, ME GAVE THE VOTE OF THANKS.



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DEPARTMENT OF MECHANICAL ENGINEERING
is organising
Webinar
on
"Understanding Supply Chains"


Speaker:
Dr. Milind Sakhardande
Associate Professor
Mechanical Engineering Department
Goa College of Engineering, Goa

Date: 16/12/2021
Time: 11:00 AM

Meeting Details:
ID: 964 654 1018
Passcode: 123456
<https://us04web.zoom.us/j/9646541018?pwd=MTY6ZmU1OEluVGV6bU0lbnNlcy90R0FOUT09>



3. PRESENTATION ON MECHANICAL ENGINEERING SOFTWARES BY CADD CENTRE, BANGALORE

MR. SANDEEP, UNIT HEAD FROM CADD CENTRE BANASHANKARI DELIVERED A TALK ON THE MECHANICAL ENGINEERING SOFTWARES WIDELY USED IN INDUSTRIES ACROSS THE WORLD. HE GAVE INSIGHT ABOUT THE APPLICATION AND JOB OPPORTUNITIES IN THE MECHANICAL SOFTWARE PROGRAMMES. THE STUDENTS FROM 5TH AND 7TH SEMESTER ATTENDED THE PRESENTATION ON 30TH DECEMBER 2021 @ 1PM.



4. ONE DAY WORKSHOP ON INNOVATION & DESIGN THINKING -APRIL 22ND 2022

THE DEPARTMENT OF MECHANICAL ENGINEERING IN COORDINATION WITH DEPARTMENT COMPUTER SCIENCE & ENGINEERING ALONG WITH BASIC SCIENCE HUMANITIES HAS ORGANIZED ONE DAY WORKSHOP ON 'INNOVATION & DESIGN THINKING' ON 8TH APRIL 2022 AT ARYABHATA SEMINAR HALL. THE KEY RESOURCE PERSON FOR THE EVENT WAS MR. GIRISH S MURTHY, CEO, PRINTZKART, BANGALORE. HE WAS ASSISTED BY MR. VEERESH I METI, SENIOR DESIGN ENGINEER, PRINTZKART, BANGALORE. DR KVA BALAJI, CEO, KSGI GAVE THE INAUGURAL SPEECH AND DR K RAMA NARASIMHA, PRINCIPAL/DIRECTOR, KSSEM DELIVERED THE SPEECH REGARDING THE IMPORTANCE OF THIS ONE-DAY WORKSHOP. DR BALAJI. B, HEAD OF THE DEPARTMENT, MECHANICAL ENGINEERING IN HIS ABSENTIA MR. HARSHA.J, ASSISTANT PROFESSOR FROM THE DEPARTMENT OF MECHANICAL ENGINEERING DELIVERED THE WELCOME SPEECH. THE FACULTIES OF MECHANICAL ENGINEERING, COMPUTER SCIENCE & ENGINEERING AND BASIC SCIENCE HUMANITIES ATTENDED THE INAUGURAL FUNCTION.

THE WORKSHOP WAS BASED ON THE VTU SYLLABUS INCORPORATED IN THE COURSE CALLED 'INNOVATION & DESIGN THINKING'. THE STUDENTS OF FIRST SEMESTER COMPUTER SCIENCE & ENGINEERING, CIVIL ENGINEERING AND MECHANICAL ENGINEERING ATTENDED THE WORKSHOP AND LEARNT THE BASICS OF INNOVATION AND DESIGN THINKING. THEY WERE MADE TO UNDERSTAND THE SIGNIFICANCE OF IDT IN ENGINEERING STREAM IRRESPECTIVE OF THE BRANCHES. A BRIEF SESSION ON 3D PRINTING TECHNOLOGY WAS GIVEN. LIVE PRINTING MACHINE WAS EXHIBITED AND STUDENTS WERE GIVEN DEMO ABOUT THE 3D PRINTING TECHNOLOGY. THE SESSION MADE CLEAR ABOUT THE IMPORTANCE OF INNOVATION, CREATIVITY AND DESIGN THINKING IN RECENT TRENDS IN ADVANCED TECHNOLOGIES. THEY GOT INSIGHT ABOUT THE RECENT INNOVATIONS AND PRODUCT DESIGN CONCEPTS.

AFTER THE SESSION CERTIFICATES WERE DISTRIBUTED TO STUDENTS. VOTE OF THANKS WAS GIVEN BY DR. ABHISHEK ASSOCIATE PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING.





5. INDUSTRIAL VISIT TO “BUREAU OF INDIAN STANDARDS” ON MONDAY, 13TH JUNE 2022

THE STUDENTS OF K S SCHOOL OF ENGINEERING AND MANAGEMENT PURSUING MECHANICAL ENGINEERING IN 4TH SEMESTER AND 6TH SEMESTER VISITED BUREAU OF INDIAN STANDARDS LOCATED IN PEENYA, BENGALURU AS A PART OF INDUSTRIAL VISIT. WHERE STUDENTS HAD AN OPPORTUNITY TO GAIN EXPOSURE ON THE KNOWLEDGE OF STANDARDS AND MEASURES. STUDENTS WERE INTRODUCED TO DIFFERENT LABS OF DIFFERENT DEPARTMENTS SUCH AS MECHANICAL, ELECTRICAL, CIVIL AND MICROBIOLOGY. STUDENTS ALSO SAW TESTS PERFORMED ON DIFFERENT PRODUCTS LIKE CEMENT, DRINKING PACKAGE WATER, ELECTRIC BULBS, FOOD COLORS AND OTHER THINGS. IT LED US TO GAIN KNOWLEDGE OF THE STANDARDS AND ABOUT VARIOUS HALLMARKS. THE STAFFS OF BIS HELPED US IN GAINING MORE KNOWLEDGE AND INSIGHT ABOUT BIS, BENGALURU AND ABOUT THE CAREER OPPORTUNITIES IN BIS AS A MECHANICAL ENGINEER.



6. KSGI_ANNUAL SPORTS DAY MEET @ UCPE GROUND

THE STUDENTS & FACULTIES OF MECHANICAL ENGINEERING BRANCH PARTICIPATED IN VARIOUS SPORTS EVENTS HELD AT UCPE GROUND, GNANABHARATHI CAMPUS ON 11TH JUNE 2022. DEPARTMENT OF MECHANICAL ENGINEERING HAS WON 4 GOLD 2 SILVER 1 BRONZE MEDAL IN STUDENT CATEGORY & 2 GOLDS IN FACULTY CATEGORY.

