



NEWS LETTER

MECHANICAL ENGINEERING

2022-2023



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. 2 DAYS WORKSHOP ON CREATIVITY & INNOVATIONS FOR ENGINEERS- OCTOBER 2022

THE INAUGURATION OF TWO-DAY WORKSHOP ON ' CREATIVITY & INNOVATION FOR ENGINEERS' HELD TODAY AT 9.00AM IN ARYABHATA SEMINAR HALL. DR BALAJI B, PROF. & HEAD, DEPARTMENT OF MECHANICAL ENGINEERING WARMLY WELCOME THE DIGNITARIES DR. K V A BALAJI (CEO OF KSGI), DR. K RAMA NARASIMHA (PRINCIPAL/DIRECTOR, KSSEM) ADDRESSED THE GATHERING REGARDING THE WORKSHOP. , MR. PAVAN KUMAR A, RESOURCE PERSON OF THE WORKSHOP GAVE THE OVERVIEW OF THE WORKSHOP. HEADS OF VARIOUS DEPARTMENT, FACULTIES AND STUDENTS ATTENDED THE EVENT. THE VOTE OF THANKS GIVEN BY DR JYOTHI P N, PROFESSOR FOLLOWED BY THE SESSION-1.

TWO DAY WORKSHOP ON ' CREATIVITY AND INNOVATION TO ENGINEERS' CONCLUDED TODAY 11TH OCTOBER 2022. THE FACULTY AND STUDENTS GAINED THE KNOWLEDGE ABOUT CREATIVITY & INNOVATION CONCEPTS. LATER THERE WAS AN INTERACTIVE SESSION BETWEEN THE PARTICIPANTS AND SPEAKER FOLLOWED BY VALEDICTORY VIJAYALAKSHMI A, PROF. & HEAD, CIVIL ENGINEERING GRACED THE OCCASION AND FELICITATED THE SPEAKER AND WISHED THE PARTICIPANTS.



2. INDUSTRIAL TOUR TO SHARAVATHI HYDRO POWER PLANT & LINGANAMAKKI DAM -NOVEMBER 2022

THE FINAL YEAR MECHANICAL ENGINEERING STUDENTS OF K S SCHOOL AND ENGINEERING AND MANAGEMENT HAD VISITED LINGANAMAKKI DAM POWER HOUSE, SHIPOVA, KARNATAKA AS A PART OF OUR INDUSTRIAL VISIT ON 29TH NOVEMBER 2022. THE LINGANAMAKKI DAM POWER HOUSE WAS A DESTINATION FOR COMPLETE LEARNING ABOUT ENERGY GENERATION FROM WATER (HYDRO POWER).



3. IMTEX – 2023

THE DEPARTMENT OF MECHANICAL ENGINEERING ORGANIZED INDUSTRIAL VISIT TO IMTEX-2023, AT BANGALORE INTERNATIONAL EXHIBITION CENTER (BIEC) WHICH IS LOCATED AT TUMKUR ROAD, BANGALORE. THE STUDENTS FROM 3RD SEMESTER MECHANICAL ENGINEERING ALONG WITH DR. ABHISHEK M R, ASSOCIATE PROFESSOR AND MR. HARSHA ASSISTANT PROFESSOR VISITED IMTEX 2023-INTERNATIONAL MACHINE TOOL & MANUFACTURING TECHNOLOGY ON 25TH JANUARY 2023.THE EXHIBITION WAS AMAZING COLLECTION OF ADVANCE TECHNOLOGY CONCEPTS AND EQUIPMENTS.ADDITIVE MANUFACTURING,CNC,ROBOTICS & AUTOMATION AND MANY OTHER KEY TECHNOLOGY EQUIPMENT WERE DISPLAYED. THIS VISIT MADE THE STUDENTS TO KNOW AND WATCH THE ADVANCES IN RECENT TRENDS IN MECHANICAL ENGINEERING.



4. SOCIAL CONNECT & RESPONSIBILITY EVENT BY MECHANICAL ENGINEERING STUDENTS-FEBRUARY & MARCH 2023

THE STUDENTS FROM 3RD SEMESTER MECHANICAL ENGINEERING ARE ORGANIZING FOOD FEST ON 25TH FEBRUARY 2023 AS PART OF SOCIAL CONNECT AND RESPONSIBILITY .

VENUE-MECH STAFF ROOM

TIME-12.30PM

THE STUDENTS OF 3RD SEMESTER MECHANICAL ENGINEERING VISITED SRI SRI RAVISHANKAR GURUJI ASHRAM ON 3RD MARCH 2023 AS A PART OF SOCIAL CONNECT AND RESPONSIBILITY.THEY LEARNT ABOUT ORGANIC FARMING AND EXPLORED THE FACILITY AROUND.



5. FIVE DAYS FACULTY DEVELOPMENT PROGRAM FOR SUPPORTING STAFF OF KSSEM -APRIL 17-21,2023

INAUGURAL FUNCTION OF 5 DAY FDP ON PERSONALITY DEVELOPMENT FOR SUPPORTING STAFF OF KSSEM WAS HELD AT ARYABHATA SEMINAR HALL AT 10 AM ON 17TH APRIL 2023.THE MANAGEMENT, CEO, PRINCIPAL AND HOD OF VARIOUS DEPARTMENTS GRACED THE OCCASION. THE SUPPORTING STAFF AND FACULTY OF MECHANICAL ENGINEERING DEPARTMENT WERE PRESENT ON THE OCCASION. THE 5 DAY FDP ON PERSONALITY DEVELOPMENT FOR SUPPORTING STAFF OF KSSEM HAS COME TO AN END ON 21ST APRIL 2023. THE VALEDICTORY CEREMONY WAS HELD AT 12PM.DR K.V.A. BALAJI, CEO AND DR RAMA NARASIMHA, PRINCIPAL CHAIRED THE EVENT. THE HOD'S OF ALL THE DEPARTMENTS WERE PRESENT.



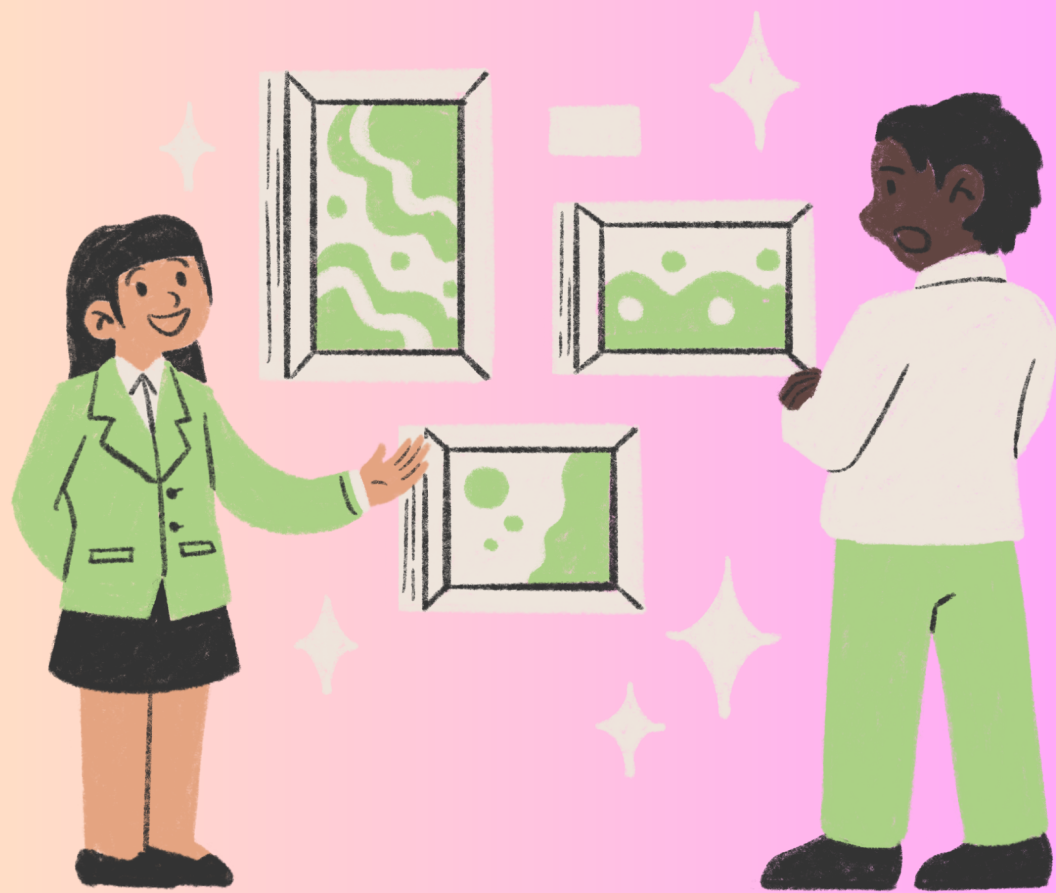
6. UNVEILING OF SUGRIVA 2.0 -26TH APRIL 2023

UNVEILING OF SUGRIVA 2.0 @ KSSEM CAMPUS BY OUR PRESIDENT SRI RAJAGOPAL NAIDU WAS HELD TODAY AT 1. 00PM.DR. K V A BALAJI, CEO,KSGI ,DR.K RAMANARASIMHA,PRINCIPAL,HOD'S OF ALL THE DEPARTMENTS, FACULTIES OF MECHANICAL ENGINEERING, OTHER DEPARTMENTS AND STUDENTS PARTICIPATED IN THE EVENT.



7. PROJECT EXHIBITION-8TH MARCH 2023

ON MAY 8TH, 2023, AN IMPRESSIVE PROJECT EXHIBITION WAS HELD AT KSSEM COLLEGE, WHICH WAS GRACED BY THE PRESENCE OF SEVERAL ESTEEMED DIGNITARIES. DR. KIRAN AITAL, A RENOWNED AUTHORITY IN THE FIELD OF MECHANICAL ENGINEERING, WAS INVITED TO PRESIDE OVER THE JUDGING PANEL FOR THE DEPARTMENT.



8. FAREWELL TO BATCH 2019-23


THE DEPARTMENT OF MECHANICAL ORGANIZED FAREWELL TO THE OUTGOING BATCH 2019-23 ON 22-03-2023. THE PRINCIPAL, FACULTY AND SUPPORTING STAFF ALONG WITH THE STUDENT FRATERNITY WITNESSED THE EVENT. IT WAS A FULFILLED GATHERING. EVERYONE ENJOYED THE FUNCTION.




9. NSS ACTIVITY -22MD JULY 2023

NSS CELL ALONG WITH MECHANICAL ENGINEERING, CIVIL ENGINEERING & ARTIFICIAL INTELLIGENCE & DATA SCIENCE IS CONDUCTING GOVERNMENT REJUVENATION PROGRAM AT SUGGANAHALLI,MAGADI TALUK,RAMANAGAR DISTRICT.

DATE-22/07/2023




K S GROUP OF INSTITUTIONS
K S SCHOOL OF ENGINEERING AND MANAGEMENT
(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, Accredited by NAAC)
No.15, Mallasandra, Off Kanakpura Road, Bengaluru-560109
"Not Me, but you"



**GOVERNMENT
SCHOOL
REJUVENATION
PROGRAM**
**A PART OF
NATIONAL SERVICE SCHEME**

Date:
22nd July 2023

Venue:
Govt. Higher Primary School
Sugganahalli, Magadi Tq,
Ramanagar Dist. - 561101.



Mr. Manjunath TK
Associate prof. & HOD
Dept. of AI&DS

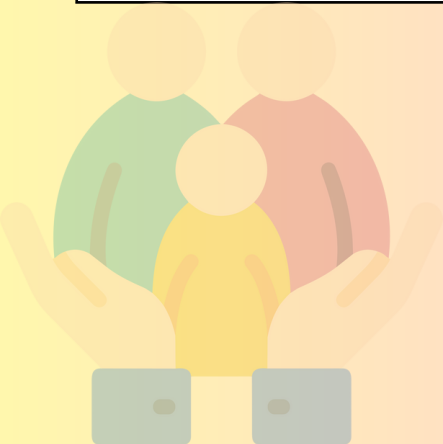
Dr. Balaji B
Prof. & HOD
Dept. of Mechanical Engg.

Dr. Vijayalakshmi Akella
Prof. & HOD
Dept. of Civil Engg.

Mr. Manohar Kumar KN
NSS Programme
Officer

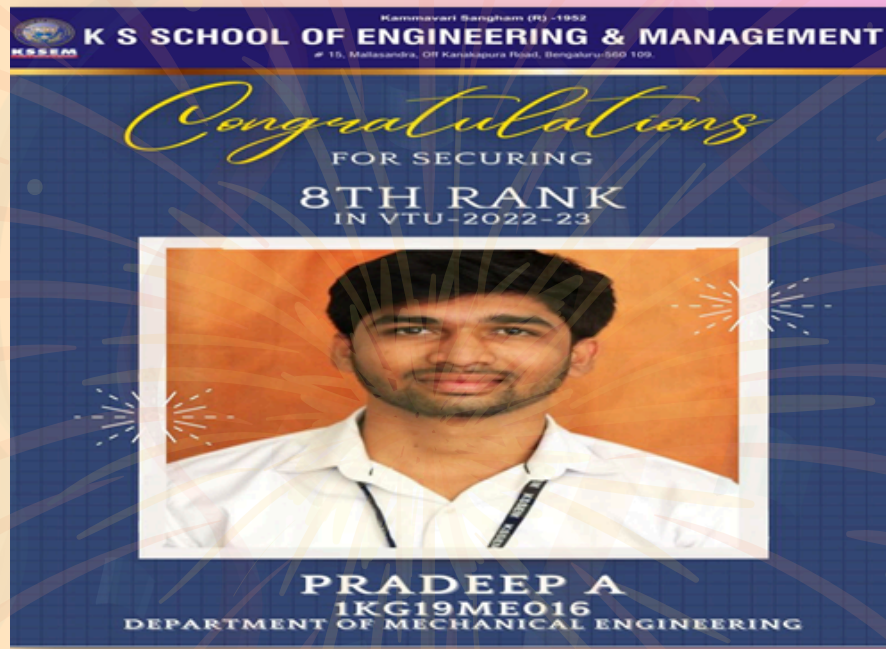
Dr. K Ramanarasimha
Principal & Director
KSSEM

Dr. KVA Balaji
CEO, KSGI



10. Student Achievers:

We are delighted to announce that our student, PRADEEP A bearing USN1-1KG19ME016 has achieved the 8th Rank in VTU -Batch 2019 to 2023.Hearty Congratulations to the VTU Rank Holder from Management, Principal, Head of the Department, Faculty Members-Teaching & Non Teaching of Mechanical Engineering. The Management of Kammavari Sangham felicitated the VTU 8th Rank Holder Mr.Pradeep Kumar during the Orientation Day program held @ KSSEM on 11th September 2023.Its a great Honor and pride moment for Department of Mechanical Engineering and KSSEM.



11. KSCST Award:

The Final Year Student - Rajalakshmi Veeresh & Team from Mechanical Engineering awarded the KSCST Fund for project titled 'HARNESSING WIND ENERGY USING VERTICAL AXIS WIND MILL' during this academic year. Hearty Congratulations to the Team Members and Guide Dr Abhishek M R, Associate Professor, MED.

747.	46S_BE_1250	EYE TRACKING SYSTEM FOR APPLIANCE CONTROL BY PARALYZED PATIENTS	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	ASST PROF. MR.RAVIKIRAN B A	LINGUTLA TARUN KUMAR DEVAPATHNI PAVAN KUMAR MALAPATI DILEEP MODUPALLI PAVAN KUMAR	4,000.00
748.	46S_BE_1257	SMART ELECTRONIC AID FOR VISUALLY IMPAIRED	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	DR. K SENTHIL BABU PROF. BHARGAVI V SANGHAM	R SASIKALA SAICHARITHA Y SHUBHA M SUMA B L	5,000.00

KSCST: 46th Series of Student Project Programme (SPP): Sponsored Projects

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Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (Rs.)
749.	46S_BE_1267	AN IOT-BASED SMART WEARABLE SYSTEM FOR MONITORING ASTHMA PATIENTS.	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	MRS. RENUKA V TALU DR. K SENTHIL BABU	SNEHA B JETTI BHEEMESH MANAM TEJA MONIKA V G	5,000.00
750.	46S_BE_2344	HARNESSING WIND ENERGY USING VERTICAL AXIS WIND MILL	B.E.	MECHANICAL ENGINEERING	DR. ABHISHEK M R	RAJALAKSHMI VEERESH GANGA REDDY D M BHARGAVI B REDDY AMITH A S	6,000.00



1. Placement Details:

The following students got placed from Mechanical Engineering Department to various companies.

		
Code Young	PROMAN, Bidadi	Code Young
Amith 1KG19ME002	A Bhanu Venkat-1KG19ME001	Amith 1KG19ME002
		
INTELLIPACT, Bangalore & PROMAN, Bidadi	PROMAN, Bidadi	INTELLIPACT, Bangalore & PROMAN, Bidadi
Rajalakshmi Veeresh 1KG19ME017	Manu P B 1KG19ME013	Rajalakshmi Veeresh 1KG19ME017
		
INTELLIPACT, Bangalore ACADEMOR, Bangalore	INTELLIPACT, Bangalore ACADEMOR, Bangalore	INTELLIPACT, Bangalore ACADEMOR, Bangalore
Harish K 1KG19ME008	Lokesh A B 1KG19ME011	Harish K 1KG19ME008
		
ACADEMOR, Bangalore	ACADEMOR, Bangalore	ACADEMOR, Bangalore
Chethan A N 1KG20ME401	Chethan K 1KG19ME005	Chethan A N 1KG20ME401