

CANARA ENGINEERING COLLEGE

MECHANICAL ENGINEERING DEPARTMENT

NEWSLETTER

MECH MIRROR

VOLUME 11, ISSUE 2, JULY 2021

Department Vision

To impart state of the art quality mechanical engineering education and create competent professionals.

Department Mission

M1: Imparting engineering education through experienced faculty, good infrastructure and a systematic teaching-learning process.

M2: Providing an environment for the application of gained knowledge to design and develop products for society, industries and research activities.

M3: Promoting high standards of professional ethics and accountability

HOD speaks

COVID-19 pandemic has spread all over the world with 2nd wave creating problems all over the world. Academic activities in the last one whole year had disturbed. However, it has opened up new modes of teaching using the internet. Revolutions in digital communications have helped people especially during this pandemic in industries to work and control machines from remote places. Also, it has affected day to day activities in mechanical industries including automobiles.

I am really happy that our student Miss Nikhitha N Kharvi had secured 3rd rank in VTU and also a gold medal for getting the highest mark by a girl student in mechanical engineering. Mr Raghavendra Poojary has been selected among the top 4 in Karnataka- world skill 2021 competition organized by the government of Karnataka.

I am happy to announce that the faculty and staff of Canara Engineering College have developed a xEV retrofit kit to convert IC engine-based two-wheeler to an electric vehicle. It's the first-of-its-kind developed by the different departments of CEC.

Our project proposal titled "Development of filaments for 3D printing and other applications from recycled PET bottled and other plastic waste" has been selected for financial support from the government of India under Waste Management Technology (WMT) of the Department of Science and Technology (DST).

Finally, I appreciate the effort put by our teaching, technical staff and students for providing all sorts of support for the student's projects in this pandemic hit semester. Last but not the least, I thank the publication team for bringing out the Mech Mirror newsletter successfully.



Dr. B. Krishna Prabhu
Professor and Head

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Arshaq M.G.	8 th sem A section
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From the editor's desk

Dear reader,

Happy to hear that department has received a DST fund for the project “Development of filaments for 3D printing and other applications from recycled PET bottled and other plastic waste”. The successful implantation of this project will reduce plastic waste which otherwise will going to be a big hurdle for the waste handling system of any city. I wish research project activities in renewable plastic technologies will bring a good name to the college. The activities planned under National Innovation and start-up policy (NISP) will also encourage research activities in the campus. I wish all the success for the researchers and the efforts put by the department in this regard. Finally, I wish all the success in exams and careers for the final year students.



Prof. Sandesh Kumar Rai
Chief editor

STUDENT NEWS

PLACEMENT ACTIVITY

The Placement process is ongoing and a total of 31 offers from various companies to the mechanical final year students till the end of the even semester.

COMPANY	STUDENT
INFOSYS	SRI HARI VARUN
INFOSYS	CLEVIN RODRIGUES
TECHNOLOGICS	
INFOSYS	KIRAN S
TCS	KISHAN
COGNIZANT	
COGNIZANT	NARESH S SARAF
COGNIZANT	ASHUTOSH PHAYDE
COGNIZANT	AKARSH RAO
TECHNOLOGICS	PALLAVI PAI
JARO	KAVYA KAMATH
RINEX	AGNILA
RINEX	PARIKSHITH KOTTARI
AVO	RAYESH KINI
ACCENTURE	JOYSON
TVS FASTNERS	ABHISHEK, AKHILESH, ANKUSH, ARJUN, CHETAN, DHANUSH, GAGANDEEP, JOYAL, MILTON, ROHITH, RAMAKRISHNA, KARTHIK SHEIKSUHAN, ANURAG, SHRIRAM, SOORAJ

CURRICULAR ACTIVITIES-TECHNICAL TALKS & WEBINARS

➤ Webinar on PTC GTTC-COE awareness

A JOINT COLLABORATION PROJECT OF

ptc GT&TC DesignTech
Technology for designing the future

CENTER OF EXCELLENCE, GTTC Mangaluru

Invites
Canara Engg College, Mangaluru
To attend a WEBINAR ON,

"PTC GTTC-COE Awareness & Introduction to CAD Using PTC Creo"

Labs to learn skills:

1. Product Design & Development Lab
2. Validation Lab
3. Reverse Engg Lab
4. Reality Lab
5. Rapid Prototyping Lab
6. Automation Control Lab
7. IOT Lab
8. Manufacturing & Machine Lab

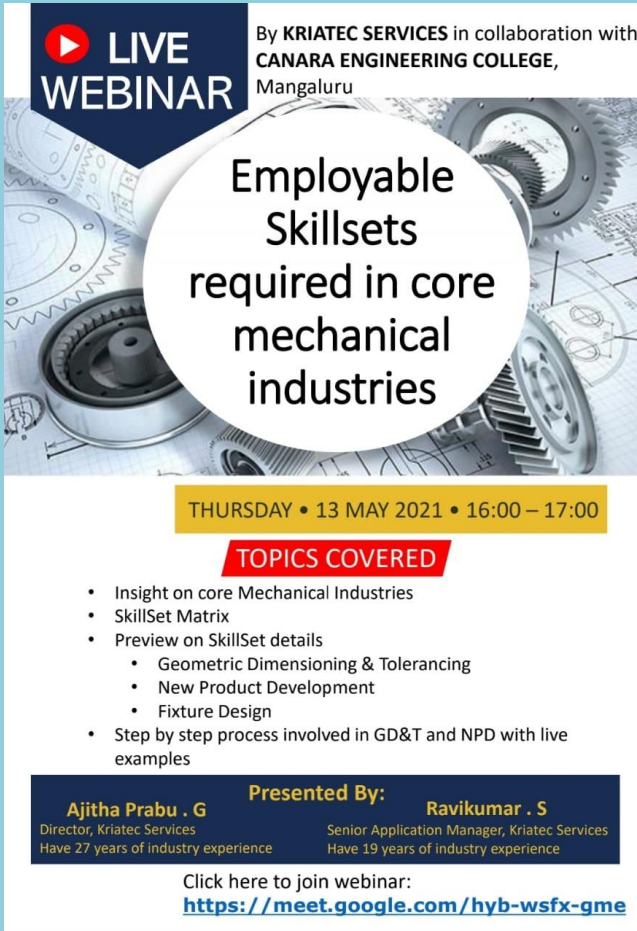
RESOURCE PERSON : DesignTech Systems (P) Ltd
Mr.S.Srinivasa Gopal (9844727344)
Mr.Vivek Suryavanshi (9408832922)
Miss.Nisha Singhaniya (8160707657)

Date and time :
7th May 2021
04:00 P.M. onwards

Link to Join Webinar
<https://meet.google.com/gqv-zoii-mte>

A webinar on PTC GTTC-COE awareness and introduction to CAD using PTC Creo was organized for the students of the mechanical department by a resource person from GTTC & Design Tech team Mr Srinivas Gopal, Mr. Vivek and Miss Nisha on 07th May 2021. They explained software's available at GTTC and demo training using design software PTC- Creo. A total of 65 students and staff were gained design modelling knowledge on the Creo software.

- Webinar on Employable skill sets required in a core mechanical industry.



LIVE WEBINAR

By KRIATEC SERVICES in collaboration with
CANARA ENGINEERING COLLEGE,
Mangaluru

Employable Skillsets required in core mechanical industries

THURSDAY • 13 MAY 2021 • 16:00 – 17:00

TOPICS COVERED

- Insight on core Mechanical Industries
- SkillSet Matrix
- Preview on SkillSet details
 - Geometric Dimensioning & Tolerancing
 - New Product Development
 - Fixture Design
- Step by step process involved in GD&T and NPD with live examples

Presented By:

Ajitha Prabu . G Director, Kriatec Services Have 27 years of industry experience	Ravikumar . S Senior Application Manager, Kriatec Services Have 19 years of industry experience
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Click here to join webinar:
<https://meet.google.com/hyb-wsfx-gme>

A webinar was organized for the students of mechanical department on employable skill sets required in a core mechanical industry by a resource persons from Kriatec service Mr. Ajith prabhu and Mr.Ravi kumar on 13 May 2021. They highlighted the importance of GDNT in product and fixture design explained with live examples modelling. Total of 80 students and staff were gained knowledge on the same.

- Webinar on Introduction to charging technology



SkillDzire

Webinar on Introduction to Charging Technology

Explore the most booming Industry of EV in 2021 with SkillDzire

30 May 2021

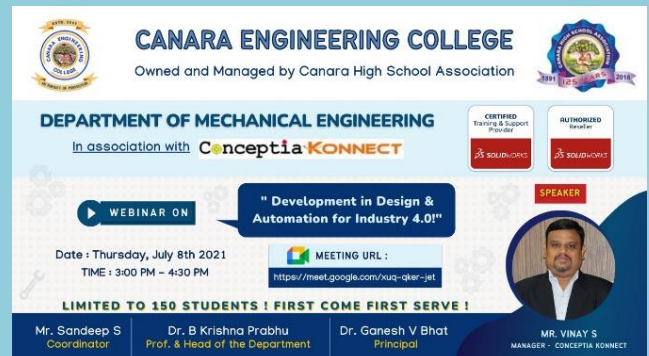
11:00 AM

Register Now

Mr. Anil Kumar
Industrial Expert & Educator SkillDzire

Skill Dzire has launched a Live Session on "Introduction to Charging Technology" on 30th May 2021 by Mr Anil Kumar, Industrial Expert & Educator Skill Dzire. The technology that has been designed for Electric vehicle charging were detailed by the resource person. A total of 45 staff and students benefitted from this webinar.

- Webinar on "Development in Design & Automation for Industry 4.0"



CANARA ENGINEERING COLLEGE
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DEPARTMENT OF MECHANICAL ENGINEERING
In association with **Conceptia-KONNECT**

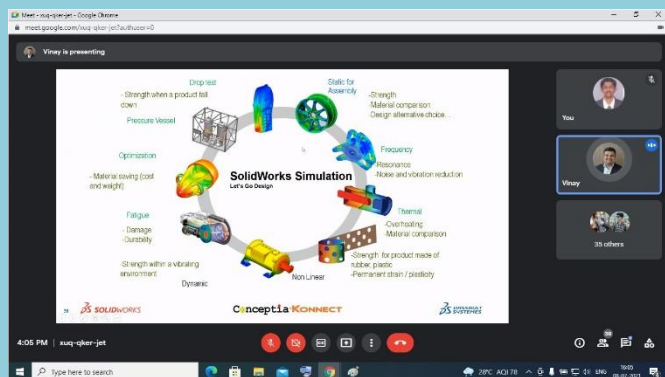
WEBINAR ON "Development in Design & Automation for Industry 4.0!"

Date : Thursday, July 8th 2021
TIME : 3:00 PM – 4:30 PM

MEETING URL :
<https://meet.google.com/xuq-qker-jet>

LIMITED TO 150 STUDENTS ! FIRST COME FIRST SERVE !

Mr. Sandeep S Coordinator	Dr. B Krishna Prabhu Prof. & Head of the Department	Dr. Ganesh V Bhat Principal	MR. VINAY S MANAGER - CONCEPTIA KONNECT
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Department of Mechanical Engineering organized a webinar on "Development in Design & Automation for Industry 4.0" on 8 JULY 2021 for students and faculties of department. Resource person was Mr. Vinay S. Manager-Education & Training, Conceptia Software Technologies Pvt. Ltd. Bengaluru. The resource person gave details about stages in design automation and how present automation software's are being used in industries. Mr. Sandeep, Assistant Professor coordinated the event. Dr. B Krishna Prabhu Head of the Department thanked the resource person for sharing his knowledge. About 50 students and the faculty attended the webinar.

FACULTY ACHIEVEMENTS:

➤ Ajith G Joshi authored a book chapter in Additive Manufacturing in Medical Applications Through Industry 4.0 for a book title: Industry 4.0 in Small and Medium-Sized Enterprises (SMEs): Opportunities, Challenges, and Solutions, CRC Press (2021) (Article in Press)

➤ The faculty and staff of Canara Engineering College developed a retrofit kit to convert IC engine-based two-wheelers to electric vehicles. This kit is a significant development in this field as recently the Government of India under Voluntary Vehicle scrapping policy stated to undergo fitness tests for IC engine-based vehicles after completion of 15 years. Dr. B Krishna Prabhu, HOD, Mechanical was the chief investigator under whom Mr. Divyesh Divakar, and Mr. Ajith Kumar B P from the ECE

department, Mr Anand Bhat and Mr Ramesh from EE department, Mr Naveen Kalal from the Mechanical department along with lab instructors of all the department have worked and contributed towards successful implementation in the vehicle.



- Technical staff Mr Sadhashiva Achar attended an Online Webinar on "Corrosion issues of engineering materials in industries" organized by the Department of Mechanical Engineering, RV Institute of Technology and Management, Bengaluru in association with the Department of Metallurgical and Materials Engineering, National Institute of Technology Karnataka Surathkal on 22 May 2021

CONFERENCE, WORKSHOPS AND FDP'S ATTENDED AND PAPER PRESENTED BY FACULTY

- Prashanth M V has participated in Faculty Development Program on Introduction to Python Programming (Online Live FDP) conducted by ICT Academy from 29 March 2021 to 03 Apr 2021
- Prashanth M V attended "3D Printing & Design" from 08 to 12 February 2021 at Canara Engineering College organized under ATAL.
- Prashanth M V has participated in Faculty Development Program on Advances in materials and manufacturing (OnLive FDP) conducted by SJM Institute of Technology, Chitradurga from 12 July to 16 July 2021.
- Sandesh kumar Rai attended a webinar on Artificial intelligence and machine learning for mechanical engineering on 09th June 2021 organised by the Mechanical department of SJEC.

Journal/Conference Papers

- Sunil Kumar B.V., Assistant Professor, Influence of cryogenic and corrosive environment on fracture toughness of Aluminum 6082/H-30 alloy, published in international research journal of engineering and technology vol 7, 2020, pp1988 -1994

STUDENTS ACHIEVEMENTS

- Final year student Raghavendra Poojary got selected among the top 4 in the Karnataka-World skill competition conducted by the government of Karnataka.
- 17 mechanical students were cleared Certified solid works Associate exam (CSWA)
- 08 mechanical students cleared exams Certified solid works professional exam (CSWP)
- Miss Nikhitha N Kharvi has secured 3rd rank in VTU and also a gold medal for getting the highest mark by a girl student in mechanical engineering.

Congratulations!



VTU Rank Holder
Ms. NIKHITHA NARAYAN KHARVI
(2016-20 batch) for securing in
3rd Rank in Mechanical Engineering and Gold Medal
for securing **highest marks in aggregate in**
Mechanical Engineering Stream by a Girl Student.

YOU MAKE US PROUD!
The Management, Principal, Faculty, Staff & Students
CANARA ENGINEERING COLLEGE
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Four UG Programmes ACCREDITED BY NATIONAL BOARD OF ACCREDITATION
up to 30.06.2022

CO-CURRICULAR ACTIVITIES

- **Unnath Bharath Abhiyan Programme**



CEC Adopted a nearby Ulaibettu village and conducted in Unnath Bharath Abhiyan Programme, a self-employable training for women with the help of Grama Panchayath. The training session was inaugurated by Mr Harikesh Shetty, President of the grama panchayath, Smt. Rathna, Vice president of grama panchayath, chief guests Mr Rajiva Shetty, ex-President of grama panchayath, Mr. Dinesh, member of panchayath and Dr. Amitha Prabhu Professor, CEC. The resource person for this programme was Dr. Harina. trained on mask, bag preparation. Total 30 women from the village were participated and trained. Programme was coordinated by Dr. N. Satheesh Kumar, Prof. Shreenath, of Mechanical department and Prof. Ashwini Holla of E&C department.