

Newsletter
MECHFEEED



Department of Mechanical Engineering

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St. Thomas College of Engineering & Technology

Kozhuvalloor, Chengannur, Alappuzha, Kerala



Vision

To produce Mechanical Engineers with technical and moral competence.

Mission

- M1 Implement effective teaching and learning process through defined academic processes.
- M2 Provide conducive platform for the institute-industry interaction for our faculty and students
- M3 Encourage socio-environmental engagement with internal and external stakeholders.

Program Educational Objectives

PEOI: Resolve Engineering Challenges

Portray professional skills necessary to formulate, resolve and analyse engineering problems.

PEOI: Team Work

Exhibit team work, empathy and interpersonal skills in the organization.

PEOI: Life Long Learning

Upgrade latest knowledge and skills required for professional and organization growth.

Program Specific Outcomes

PSOI: Professional Skills

Acquire technical skills like design, manufacturing, quality control and inspection in mechanical engineering projects.

PSO2: Design and Development Skills

Ability to design and analyze the mechanical components and systems for manufacturing.

I am glad to note that Department of Mechanical Engineering is coming up with newsletter. St, Thomas College of Engineering and Technology has been doing a wonderful job in technical education. I extend my heartiest congratulations to HOD of the department, distinguished faculties, students and the entire team for their initiative and wish them all the best.



Er. Jose Thomas
Secretary

St.Thomas College of Engineering and Technology has been playing a vital role in contributing immensely towards promoting technological, engineering and technical education. It gives me on immense pleasure to note that Department of Mechanical Engineering is coming up with its 2nd issue of the Newsletter "MECHFEEED". I extend my heartiest congratulations to the entire department for their initiative and wish them all the best.



Dr. Santhosh Simon
Principal

I am very happy that Department of Mechanical Engineering is releasing a 2nd issue of newsletter "MECHFEEED". The newsletter aims to bring into view about various academic activities, functions and happenings in the department held in the academic year 2018-2019. I sincerely congratulate, appreciate and honour the entire department faculties and students for the initiative. Also, I invite readers of "MECHFEEED" for their contribution and suggestions for the forthcoming issues.



Mr. Jerrin Joy Varugheese
HOD ME

FACULTY DEVELOPMENT PROGRAM



2019-2020

Mr. Arun sam Varugheese, FDP Name: Product Design and Development, Hosted by NPTEL, From: 01/01/2019 to 01/02/2019.

Mr. Joju P John, FDP on Design of Experiments and Recent Development in Optimization Technique , Hosted by Musaliar College of Engineering and Technology, Pathanamthitta, From: 26/6/2019 - 28/6/2019.

Mr. Roshbe S Calolsa, FDP on Advanced Materials Processing Technologies, Hosted by Sree Buddha College of Engineering, Pattoor, Alappuzha, From: 08/07/2019 - 12/07/2019.

Mr. Jerrin Joy Varugheese, FDP on Advanced Materials Processing Technologies, Hosted by Sree Buddha College of Engineering, Pattoor, Alappuzha, From: 08/07/2019 - 12/07/2019.

Roshbe S Calolsa, FDP Name: FDP on Structural Analysis of Nanomaterials, Hosted by NPTEL, From: July-August 2019.



Publications & Journals

2019-2020

1. Mr. Roshbe S Calolsa, Study of Friction Factor of pipe for different bend angles and bend radius by experimental and stimulation, "International Journal of Innovative Research in Science, Engineering & Technology, Volume 9, Issue 7, July 2020
2. Mr. Praveen Kumar P, Multi Objective Optimization of EN19 Turning process Using Genetic Algorithm, Journal of Emerging Technologies and Innovative Research(JETIR).
3. Mr. Sajimsha, " Analysis of mountain bike frame by ANSYS, International Journal for Research in Applied Science & Engineering Technology, Volume 7, Issue VI, 2019.
4. Mr. Aju A, Mr. Akhil P Hari, Mr. Amal Babu, Mr. Martin T Varughese and Mr. Arun Sam Varughese published a paper titled " Structural Design and Analysis of Leaf Spring made of Composite Material" at iJRASET, Volume 7 , Issue V, Page 3397-3409, 2019, ISSN:2321-9653



Publications & Journals

2019-2020

Dr.N Sundaramoorthy, Transient Analysis on Engine Cylinder fins by Modifying its Material and Geometrical Parameter, A Journal of Composition Theory, Volume 08, Issue 07, pp.39-43..

Dr.N Sundaramoorthy, The Optimization Analysis of Emission, Reduction, Validation of Catalytic, A Journal of Science, Technology and Development Multidisciplinary, Volume 08, Issue 07, pp.39-43.

Dr.N Sundaramoorthy, Structural Analysis of Small Power Consumption of Micro Wind Turbine by Various Optimized Materials, A Journal of Composition Theory, Volume 12, Issue 08, pp.595-601.

Dr.N Sundaramoorthy, Transient analysis of solar flat plate collector applied in Computational Fluid Dynamics, A Journal of Science, Technology and Development Multidisciplinary, Volume 08, Issue 08, pp.211-218.

Dr.N Sundaramoorthy, An experimental and Dynamic Analysis of Nano Wind Turbine, A Journal of Composition Theory, Volume 12, Issue 07, pp.1134-1140.

Workshops

AUGUMENTED REALITY WELDING SIMULATOR



As a part of curriculum, a Guest lecture was planned for final year and third year Mechanical Engineering students by the department. The session was conducted by Mr.Sravan Penumadi, Asst.Engineer – Business Development, AMFA MECH LLP.

He pointed-out that Augmented Reality Welding System that simulates GMAW, FCAW, GTAW and SMAW processes, blending real-world and computer generated images into an augmented reality environment for a realistic welding simulation that closely resembles live arc welding.

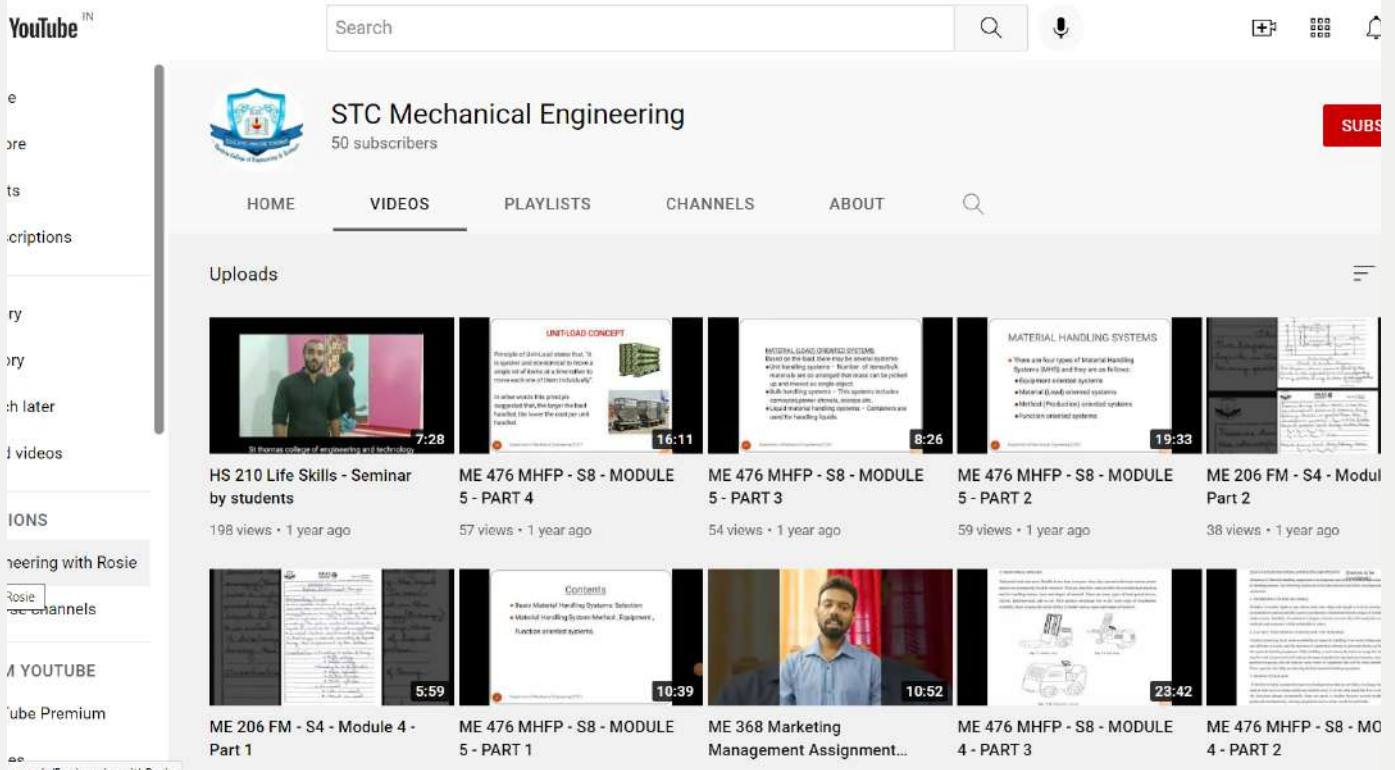
COMPUTER AIDED DESIGN AND MODELLING



As a part of curriculum, one day Workshop for third year Mechanical Engineering students by the department. The session was conducted by Mrs.Remya, Executive officer, CADD Centre, Adoor.

She gave a brief idea about 3D modelling and softwares used till date. His thoughts and Conceptual approach encouraged the students to ponder upon the various aspects of design and motivated them to develop interest on Computer Aided Design & Modelling.

YOUTUBE CHANNEL NAMED STC MECHANICAL ENGINEERING WAS LAUNCHED



During the lockdown period, the main objective of the department was to remove the obstructions that acted as a hindrance to the academic activities of the students. To attain this, the department had started a youtube channel named STC Mechanical Engineering. The faculty members of the department has uploaded their lecture videos through this channel. The students could continue their studies without any delay.

LINWAYS A COLLEGE ERP SYSTEM WAS INTRODUCED



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Placement and Higher Studies



CONESTOGA

INTERNATIONAL 

Sachu Joseph and
Davis John Thomas

got admission in

Conestoga College, Canada

for doing PG.

Sarath S

was placed in

**Thomson Surgical
Instruments Pvt. Ltd**



Thompson 
SURGICAL INSTRUMENTS

INDUSTRY INSTITUTE COLLABORATION

Let's Benefit Mutually

Department of
Mechanical Engineering



MoU Signed Between

Dr. Santhosh Simon
Principal
St Thomas College of
Engineering and Technology

Mr. Anumodh Menon
COO
Kinesys Tech Solutions
Thiruvananthapuram



St. Thomas College of Engineering & Technology
Kozhuvalloor, Chengannur, Alappuzha, Kerala

INDUSTRY INSTITUTE COLLABORATION

Let's Benefit Mutually

Department of
Mechanical Engineering



Mou Signed Between

Dr. Shajan Kuriakose
Principal
St Thomas College of
Engineering and Technology

Mr. Karthik Narayanan
CTO
Encleaners
Thiruvananthapuram



St. Thomas College of Engineering & Technology
Kozhuvallur, Chengannur, Alappuzha, Kerala

Mechanical Engineering

Congratulations to the outgoing batch

98.18%

S8 pass percentage



Jijo Joseph - 9.83



Jerin P Eapen - 9.33



Jethin Thampy
Varughese - 9.25



Jephin Varghese -
9.08



Melayil Roshan
Thomas - 9.0

Key highlights of the Department:



1. Along with normal academics, add on courses like QA/QC Mechanical, MEP, HVAC etc.
2. Core company placements.
3. Department works on outcome base teaching-learning process.
4. Professional body activities.
5. Hands on training for our graduates in modern machines.

EDITORIAL BOARD

Chief Editor: Mr. Jerrin Joy Varughese

Student Coordinators: Abhijith O L, Jithin Thampy Vargheese

Designer: Jerin P Eapen

Staff Coordinator: Mr. Arun Sam Varughese



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