

Department of Mechanical
Engineering

NEWSLETTER

2018-19

VOLUME - 1

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Programme Educational Objectives (PEOs)

The graduates will:

PEO1. Technical Expertise: Actively apply technical and professional skills in engineering practices towards the progress of the organization or the entrepreneurial venture in competitive and dynamic environment.

PEO2. Lifelong Learning: Own their professional and personal development by continuous learning and apply the learning at work to create new knowledge.

PEO3. Ethical Knowledge: Conduct themselves in a responsible, professional and ethical manner supporting sustainable economic development which enhances the quality of life.

Programme Outcomes (POs)

PO1. Apply knowledge of basic sciences and engineering concepts to solve complex mechanical engineering problems.

PO2. Identify, formulate, and analyze engineering problems using scientific principles and concepts.

PO3. Design products, manufacturing processes and facilities that deliver the requirements of the target customers and desired quality functions.

PO4. Conduct experiments, analyze and interpret data to provide solutions for engineering problems.

PO5. Use appropriate tools and techniques to solve engineering problems.

PO6. Apply contextual knowledge to make informed decisions in societal, health, safety, legal, entrepreneurial and cultural issues.

PO7. Demonstrate the knowledge of need for sustainable development in providing engineering solutions in global, environmental and societal contexts.

PO8. Practice Ethical responsibility.

PO9. Work effectively in teams and build/manage interpersonal relationships.

PO10. Communicate effectively through oral, non-verbal and written means.

PO11. Apply management principles to manage individual and team work for executing projects in a multidisciplinary environment.

PO12. Articulate and engage in pursuit of career and life goals through continuous Learning.

Program Specific Outcomes PSOs

PSO 1: Demonstrate functional competencies for roles in design, manufacturing and service by learning through centers of excellence and industrial exposure.

PSO 2: Demonstrate behavioral competencies required for roles in design, manufacturing and service by learning through structured professional skills training.

JULY – 2018

STAFF DEVELOPMENT PROGRAMMES

➤ Mr.N.Santosh, Assistant Professor from Mechanical department participated in one day national symposium on Embracing disruption – The technology and innovation organized by ACMA in Chennai at hotel feathers on 05.07.2018.

➤ Mr.C.Selva Senthil Prabhu (AP), M.Kanakaraj (Technical assistant) and K.Mayaladisami (Lab Assistant) from Mechanical department organized a workshop being resource persons titled Automation using Pneumatics and PLC at MCET Janatics centre of excellence for mechatronics and automation on 21.07.2018 and 28.07.2018.



STUDENT ACTIVITIES

➤ Mr.K.Balamurugan a student of final year Mechanical department participated in one day national symposium on Embracing disruption – The technology and innovation organized by ACMA in Chennai at hotel feathers on 05.07.2018.

➤ Mr.R.Parthasarathy and B.Pragatheeswaran the students of final year Mechanical department worked on an industrial project for a period from 01.06.2018 to 21.07. 2018 in Wheels India Ltd., Chennai.

➤ Mr.V.Balaji student of Mechanical department undergone an in-plant training conducted by Caterpillar India Ltd.,Chennai for a time period from 21.05.2018 to 24.07.2018.

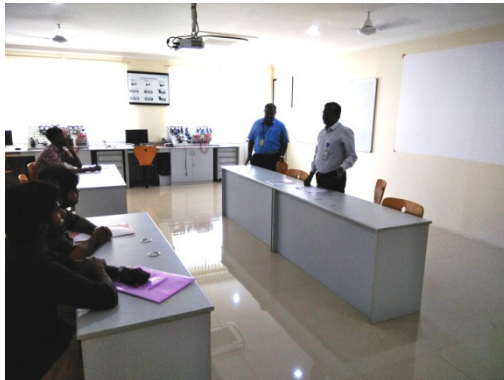
➤ Mr.M.Mathivanan student of Mechanical department undergone an in-plant training conducted by L&T Ltd., Coimbatore for a time period from 19.07.2018 to 18.07.2018.

- Eight students took part in Career planning and guidance program organized by Caresoft Global Ltd., Pollachi and Zoho. Out of which 3 students were placed in Caresoft Global Ltd., Pollachi.
- Mr.R.Deepak Chandra Sekaran (AP/Mech) and Mr.M.Kumaresan (APCO/CEP) visited TVSM, Hosur on 05.07.2018 for the agreement signing process of 2018 batch CEP students.
- Dr.I.Rajendran (HOD/Mech) and Dr.S.Ayyappan (ASP/Mech) visited SACL, Perundurai on 19.07.2018 for SACL-WIL program (a visit by shortlisted students and their parents).
- Mr.Kazumarosada an executive from JKV-IJTT organization in Japan visited our college for appraising the CDAT facilities for one day on 24.07. 2018. Apart from this many other delegates visited the campus for the same purpose and also other purposes like student internships, utilization of resources for mutual benefits and pre placement talks etc.

AUGUST – 2018

STAFF DEVELOPMENT PROGRAMMES

➤ Mr.C.Selva Senthil Prabhu (AP/Mech) and Mr.S.Gnakumar (AP/Mech) organized a short term training course on Fluid power systems from 23rd August to 24th August 2018 at BOSCH Rexroth centre of excellence to which 13 students participated.



➤ Dr. Rama Thirumurugan (Professor/Mech) participated in a seminar on MSME – Tech summit theme: building global competitiveness through technology and innovation held at Ramada Plaza, Chennai on 30.08.2018.

➤ Dr.T.Ramkumar (Assistant Professor (S.S)/Mech) published a paper in an international journal named Archives of metallurgy and materials.

STUDENT ACTIVITIES

➤ Ms.SakthiSree.G.M and Ms.Prashanti.N of third year mechanical department participated in a workshop in PSG institute of technology, Coimbatore about IoT on 18.08.2018.

➤ A short term training on Lean Six Sigma was conducted for mechanical Engineering students along with Western Thomson India Pvt Ltd Chennai during 19.08.2018 to 21.08.2018

➤ Mr.Arunkumar.K.S of third year mechanical department participated in a workshop on modern trends in steam generator design for coal fired boilers and Building intelligent applications using machine learning and AI on KSR college of technology, Tiruchengode on 31.08.2018.

➤ A student of second year M.E CAD/CAM worked on an industrial project on Design and analysis of power train components in Bimetal bearing Ltd., Coimbatore for a period of one year.

- Ms.H.S.Sangeetha and Ms.S.MohanapPriya participated in cricket and athletics in KICS-2018 and won medals.
- Two students of mechanical department were placed in Valeo India Ltd., Chennai and until now total of 11 students of mechanical department were placed in various companies.
- Third year mechanical “B” students went to Sakthi gears, Coimbatore for an industrial visit.



INDUSTRY INSTITUTE INTERACTION ACTIVITIES

- Mr.R.Deepak Chandra Sekaran (AP/Mech) visited TVSM,Hosur for empowerment project on 18.08.2018.
- Mr.S.J.Vignesh (HRD,TVSM) visited MCET for CEP review meeting on 21.08.2018.
- Mr.T.S.Manjunath (HRD,TVSM) visited MCET and conducted a two day workshop of PS3 on 30.08.2018 and 31.08.2018.
- Mr.S.J.Vignesh (HRD,TVSM) visited MCET for empowerment project on 31.08.2018.

September – 2018

STAFF DEVELOPMENT PROGRAMMES

- Mr.C.Selva Senthil Prabhu (AP/Mech) , Mr.S.Gnakumar (AP/Mech), M.Kanakaraj (Technical assistant) and K.Mayaladisami (Lab Assistant) organized a short term training course on Industrial Pneumatics jointly with Janatics India Pvt Ltd from 17.08.2018 to 18.09.2018 at MCET Janatics centre of excellence to which 20 students participated.



- Mr.R.Deepak Chandrasekaran and Mr.K.Prabu , Assistant Professor. Mech have arranged a guest lecture for Third year Mechanical Students on the title of Automotive Electrical and Electronics Fundamentals, Motor Cycle Dynamics, and Design of Plastic Parts on 19.09.2018 and 26.09.2018.
- Dr.Rama Thirumurugan, Professor, Mech published a paper in an IOP Conference Series: Materials Science and Engineering under the title “Prediction of tooth root failure under static loading condition for EN353 steel spur gear”

STUDENT ACTIVITIES

- Three students of III year Mechanical Engineering have attended Mechfuego 2k18 –Technohunt Event in P.A College of Engineering and Technology Pollachi on 20.09.2018 and got second place.
- Six students of III year Mechanical Engineering have attended Mechfuego 2k18 –Technohunt Event in P.A College of Engineering and Technology Pollachi on 20.09.2018.
- Five students of II Year Mechanical Engineering have attended the program “Recent Trends in Bike Design Power Manipulation” at GCT Coimbatore on 08.09.2018

October – 2018

STAFF DEVELOPMENT PROGRAMMES

- Dr.S.Ayyappan, (Associate Professor/Mech) published a paper in an International Journal of Science & Research (IJSR) under the title “A project on new approach for the production of bio-ethanol from ligno-cellulosic biomass”

STUDENT ACTIVITIES

- Third year mechanical “A” students went to Bimetal Bearings, Coimbatore for an industrial visit.



- CEP Students of Mechanical engineering have attended the Yoga Introspection Stage 1 at Temple of consciousness, Aliyar on 01.10.18 & 02.10.18
- Three III Year Mechanical Engineering students have attended FISITA 2018, World Automotive Congress, Chennai World Trade Centre on 03.10.2018 to 05.10.2018.