



Department of Mechanical Engineering

News letter

2017-2018

VOLUME - I

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VISION AND MISSION OF THE DEPARTMENT

Vision

To transform students from rural background into professional leaders of tomorrow in the field of Mechanical Engineering with a strong sense of social commitment.

Mission

To impart quality – engineering education leading to specialization in the emerging areas of CAD/CAM/CAE, Energy Engineering and Materials Technology to provide continually updated and intellectually stimulating environment to pursue research and consultancy activities.

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 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)

At the end of the Mechanical Engineering programme, graduating students / graduates will be able to:

PO1. Engineering knowledge: Apply the fundamental knowledge of mathematics and engineering sciences to solve of mechanical engineering problems.

PO2. Problem analysis: Identify, survey literature, formulate and analyse complex mechanical engineering problems and reach substantiated conclusions.

PO3. Design/development of solutions: Design mechanical components, processes and systems that meet the requirements with due consideration for environment and public health / safety including cultural and societal considerations.

PO4. Conduct investigations of complex problems: Design experiments analyse/interpret data and synthesize information to provide valid conclusions in the field of mechanical engineering.

PO5. Modern tool usage: Apply appropriate techniques including usage of IT tools for prediction and modelling to create and evaluate mechanical engineering systems and their limitations.

PO6. The engineer and society: Practice as professional mechanical engineer to discharge responsibilities by taking informed decisions based on contextual knowledge to assess societal, health, safety, legal and cultural issues.

PO7. Environment and sustainability: Demonstrate the knowledge of, and need for sustainable development by understanding the impact of the professional engineering solutions in societal and environmental contexts.

PO8. Ethics: Comply with code of conduct/norms and professional ethics in engineering practices.

PO9. Individual and team work: Perform effectively as an individual and member / leader in multidisciplinary diverse teams.

PO10. Communication: Effectively communicate both orally / written on complex engineering activities.

PO11. Project management and finance: Manage projects in multidisciplinary environments cost effectively.

PO12. Life-long learning: Learn and acquire up to date knowledge in the field of mechanical engineering independently.

Programme Outcomes (POs) Regulation 2014

PO1. Apply scientific principles and concepts in design and development of products and manufacturing processes.

PO2. Analyze the systems' behaviour and optimize for the results using modelling, simulation and experiments.

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

PO4. Identify, formulate, and solve engineering problems using appropriate tools and techniques.

PO5. Check and improve the DFX-assembly, manufacture, cost, quality, reliability, serviceability, recyclability etc.

PO6. Face challenges with rigor and emotional stability.

PO7. Demonstrate understanding of the dynamic industrial and business environment in which the products are designed, manufactured and sold.

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. Plan and work to time.

PO12. Learn continuously.

Programme Specific Outcomes (PSOs)

PSO1. Develop and maintain positive health - physical, mental and social wellbeing.

PSO2. Articulate and engage in pursuit of career and life goals.

PSO3. Develop adaptability to change.

JULY-2017

Staff Development Programs

- ❖ Mr.R.Bhupathi, Assistant Professor (SG) from Mechanical Department coordinated PS3 and PS5 workshop which was sponsored by MCET from 29.06.17 to 18.07.17 and held at Vivekananda Study Centre for which the students from all departments of II and III year attended.
- ❖ Dr.S.Ayyappan Assistant Professor presented a paper on 'GC-MS analysis of BIO-OIL produced by Pyrolysis *Prosopis Juliflora*' at international conference on Renewable Energy and Sustainable Environment (RESE 2017), MCET on 20.07.17
- ❖ Dr.R.Gnanaguru Associate Professor presented a paper on 'A Methodology on Effective Implementation of Green Manufacturing' at international conference on Renewable Energy and Sustainable Environment (RESE 2017), MCET on 22.07.17
- ❖ Dr.Rama Thirumurugan Associate Professor, Mechanical Engineering had been the Co-Chair Person for the international conference on Renewable Energy and Sustainable Environment (RESE 2017), MCET on 20.07.17
- ❖ Dr.I.Rajendran Professor and Head of the Department, Mechanical Engineering had been the Co-Chair Person for the international conference on Renewable Energy and Sustainable Environment (RESE 2017), MCET on 21.07.17

Mechanica Association Activities

Renewable Energy & Sustainable Environment (RESE) – 2017

Technical talk 1:

❖ Mr.Vignesh Subramanian, Business Development, PESCO BEAM Environmental solutions Pvt.Ltd.Chennai, has been the Chief guest and given and addressed the gathering on “*What is required to become a technology expert rather than a mere engineering graduate?*” on 20.07.2017.

❖ **Key points of the lecture:**

- Be updated yourself on your subject/field.
- Pay attention to details.
- The flaws of the failure should be known to recover.
- Keep doing “DO IT YOURSELF” (DIY) projects regularly.
- One must develop real time “Problem solving skills”.
- Fundamentals are like foundation, one who is good in fundamentals will have strong foundation.
- Be passionate towards work.
- Make sure to spend time with right people.
- Be aware of potential possibilities to fraud or fail us in our career.



- To succeed in present, one has to apply the culmination of experiences he/she had till then.

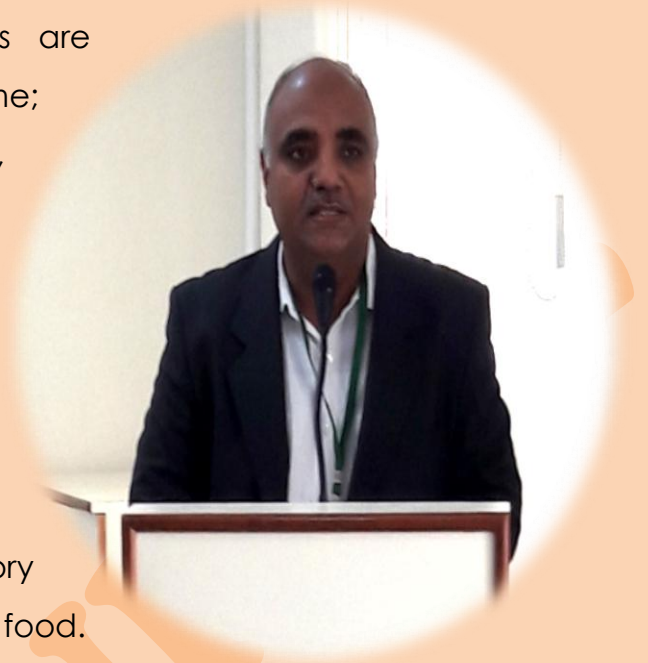


Technical talk 2:

- ❖ Mr.Muralidhar Pundla from 'The Akshaya Patra Foundation', Bangalore, has been the chief guest and addressed the gathering on "Kitchen Automation" on 22.07.17.
- ❖ **A brief note on Akshayapatra** - Their goal is to teach children with the midday meal to around 1.6 million children in 13,839 schools across 12 states in India. Having around 30 kitchens in India with each kitchen having potential to cook for 1 Lakh meals in 3 hours, they are supplying food to schools in different states such as Karnataka, Gujarat, Jaipur, etc. Every day they are buying 4 tons of vegetables for cooking the delicious food to the children of different states.

Mr.Murali's key points:

- Automated machines and tools are used to reduce the cooking time; such as Rice cleaning machines, Vegetable cutting machines, Potato peeling machines, Steam boilers (2-3 tons of steam production), etc.
- Their HR job is to train people, food quality index and they have sensory analysis to assess the quality of the food.



➤ PDCA cycle



➤ TIMWOOD

- Transport
- Inventory
- Motion
- Waiting
- Over production
- Over processing
- Defects



Inauguration of "MECHANICA"-Mechanical Engineering Association 2017-18

Mechanica has been inaugurated by Dr.I.Rajendran, HOD Mechanical Engineering, Dr.MCET, on 28th July 2017 at Mechanical seminar hall and also highlighted the importance of involvement of students in association activities during their college life and the way it helps them for their career development. He rolled out the annual event plan of Mechanica association activities for the academic year 2017 - 18.



- ❖ Mr.D.Eregamani, Assistant General Manager & Head TQM, Murugappa Group, Hosur, has been the chief guest for the inauguration and addressed the students about “Industry 4.0”.
- Fourth Industrial Revolution - Production technology, advanced materials, automation and digitalization.
- 21st Century Smart manufacturing – Industries moving towards digitalization.

TEAM MECHANICA 2017-18



AUGUST-2017

Staff Development Programs

- ❖ Dr.R.Gnanaguru Associate Professor and Mrs.P.Shivaranjani Assistant Professor from Mechanical Department coordinated FDP101X Foundation program in ICT for education which was sponsored by IIT Bombay from 03.08.17 to 13.09.17, held at IIT-B Remote Centre, MCET, for which 25 people participated.
- ❖ Mr.R.Deepak Chandrasekaran Assistant Professor and Mr.M.Neelavannan Assistant Professor from Mechanical Department coordinated a two-day program; Lean Six Sigma Green belt certificate course which was sponsored by Western Thomson India, Ltd.Chennai on 10.08.17 and 11.08.17, held at IIT-B Remote Centre, MCET, for which 25 people participated.

Mechanica Association Activities

- ❖ 15 students from IV year Mechanical Engineering participated for the Lean Six Sigma Green Belt certificate course.

S.No	Student's Name	Branch and Department	Details of Event	Faculty of the program	Date
1	Vidya M.J.	IV Year Mechanical	Lean Six Sigma Green belt certificate course	Dr. K.V.Ramanan General Manager, Western Thomson India Ltd. Chennai	10.08.17 And 11.08.17
2	Satheeskumar.S				
3	Harsavardhan A.M.				
4	Thanihavel Santhosh.S				
5	Gowthamprasad.S				

6	Ranjith.R				
7	Kaavya D.S.				
8	Sugumar.V				
9	Ajithkumar.N				
10	Sivakumar.D				
11	Logesh.M				
12	Madankumar A.B.				
13	Subash Chandra Bose.V				
14	Kumar.S				
15	Agathur Sangamithran .V				

First year Inauguration

- ❖ Mechanica Association organised an event to introduce the Mechanical Engineering Department to the first year students on 21.08.17
- ❖ Dr.I.Rajendran, HOD mechanical Department, being the chief guest, en-lighted the young minds and provided the details of functioning of the Mechanical Department.
- ❖ He also detailed the schemes followed by the Mechanical Department, courses offered by various Centres of Excellence and the opportunities available such as internships and IAP.
- ❖ All the faculty members of the department were introduced to the gathering followed by academic programs, laboratories and rules and regulations of the department.



- ❖ Parents and students opened up with various queries value added courses available, enrolling, benefits and comforts available.



INTERACTION OF STUDENTS AND PARENTS WITH FACULTY

SEPTEMBER-2017

Staff Development Programs

- ❖ Mr.S.Gnanakumar Assistant Professor from Mechanical Department coordinated FDP on Siemens PLM (Teamcenter 10.1.5) program which was sponsored by MCET - Siemens Centre from 06.09.17 to 08.09.17, held at MCET - Siemens Centre for Digital Manufacturing for which 4 people participated.

- ❖ Dr.R.Gnanaguru Associate Professor from Mechanical Department coordinated FDP on Siemens Digital Manufacturing (Technomatrix 13.1) program which was sponsored by MCET - Siemens Centre from 11.09.17 to 15.09.17, held at MCET - Siemens Centre for Digital Manufacturing for which 4 people participated.
- ❖ Dr.R.Gnanaguru Associate Professor and Mrs.P.Shivaranjani Assistant Professor from Mechanical Department coordinated Pedagogy for Online Blended Teaching-Learning Process which was sponsored by IIT Bombay from 14.09.17 to 12.10.17, held at IIT-B Remote Centre for which 25 people participated.
- ❖ Mr.S.Gnana Kumar Assistant Professor and Mr.Gideon Ganesh Assistant Professor from Mechanical Department coordinated FDP on Siemens CAD Advanced (NX 11.0 CAD) which was sponsored by MCET - Siemens Centre from 19.09.17 to 21.09.17, held at MCET - Siemens Centre for Digital Manufacturing for which 5 people participated.
- ❖ Mr.Sreejith.S.Nair Assistant Professor and Mr.Gideon Ganesh Assistant Professor from Mechanical Department coordinated FDP on Siemens FDP on Siemens CAM (NX 11.0 CAM) which was sponsored by MCET - Siemens Centre from 22.09.17 to 23.09.17, held at MCET - Siemens Centre for Digital Manufacturing for which 4 people participated.
- ❖ Mr.M.Giridharadhayalan Assistant Professor and Mr.K.Vijayakannan Assistant Professor from Mechanical Department coordinated a two-day program; FDP on Siemens CAE (Simcenter 11 & FeMap 11.4.0) which was sponsored by MCET - Siemens Centre on 25.09.17 and 26.09.17, held at IIT-B Remote Centre, MCET, for which 3 people participated.

- ❖ Mr.R.Gnanaguru Associate Professor from Mechanical Engineering department attended 6th National Summit on 4EEs-SEED conference on 20.09.17 at IIT-Chennai.
- ❖ Dr.S.Ayyappan Assistant Professor from Mechanical Engineering department attended the one-day workshop on 'skill mission industry walkthrough' on 27.09.17 at JK Fenner India Ltd. and TVS Srichakra Ltd. Madhurai.
- ❖ Mr.C.Selva Senthil Prabhu had been the resource person for the workshop "Industrial Automation using PLC and HMI", on 22.09.17 and 23.09.17 and handled two sessions at EIE and BOSCH REXROTH CENTRE.

Mechanica Association Activities

- ❖ Mr.K.Muthu Kumaran and Mr.V.Balaji from III year Mechanical Engineering visited L&T Rubber Processing Machinery Unit, Kancheepuram, on 15.09.17 for the project titled 'Platen adjustment mechanism for tyre curing press'.

“TREASURE HUNT” – AN EVENT BY MECHANICA

Mechanica organised an event – “TREASURE HUNT” on 20th September - 2017. Mr.C.Selva Senthil Prabhu Assistant professor had been the coordinator for the event and team 'Treasure Hunt', organised the event in the MCET campus.



In this event, participants were put to work as team with 2 members per team. It had 2 rounds and was time-bound.

❖ Round #1: PRELIMS

- Each team was given with a set of 25 questions to answer, out of which 5 teams with highest score were selected for the final round.



❖ Round #2: THE HUNT

- The selected 5 teams were given with a set of clues with which they found the next place to go and get another clue. All the clues represent any of the Centre of Excellences available in the campus.
- The first two teams that reported the fastest of all completing unravelling of all the clues were selected.



TREASURE HUNT

WINNERS

MUTHU KUMARAN K AND
GIRIDHAR BALASUNDARAM

RUNNERS

HARIRAM P AND KIRAN RAJ



TEAM "TREASURE-HUNT" WITH WINNERS



OCTOBER 2017

Staff Development Programs

- ❖ 8 staff members from Mechanical Engineering department had participated in PBL and Collaborative Educational Program review meeting held on 30.10.17 and 31.10.17

Dept.	Name of the Faculty with Designation	Details of Program	Place of Program	Date
Mechanical Engineering	Dr.I.Rajendran Professor and Head of the Department	PBL and CEP review meeting	MCET - B111 (OBE) SH	30.10.17 And 31.10.17
	Dr.R.Gnanaguru Associate Professor			
	Dr.Rama Thirumurugan			

	Associate Professor		
	Dr.Calvin S King Professor		
	Mr.T. Kasirajan Assistant Professor		
	Mr.A.Srinivasan Assistant Professor (SG)		
	Mr. Deepak Chandra sekaran Assistant Professor		
	Mr.E.Baskaran Assistant Professor		

Mechanica Association Activities

❖ Mr.K.Muthu Kumaran and Mr.V.Balaji from Mechanical Engineering department visited L&T Rubber Processing Machinery Unit, Kancheepuram, on 12.10.17 for the project titled 'Platen adjustment mechanism for tyre curing press'.

❖ 9 students from Mechanical Engineering department had participated in SAE – EGA (Electrifying Green Aspiration) organized by SAE-TVS-Hosur on 14.10.17 and won 3rd place in I round Virtuals.

Student's Name
S.Sivanandam
M.Karthick raja
A.Mathan kumar
S.Balamurugan
E.Dhayalan
M.Santhoshkumar
S.Parameswaran
D.Krishnaprasath
Subash Swain

❖ 70 students from III year Mechanical Engineering department visited Lakshmi Machine works Ltd. Arasur, Coimbatore under Industrial Visit Program on 21.10.17

❖ Dr.S.Ayyappan Assistant Professor from Mechanical Engineering Department visited the three companies namely, i) Titan Watch Industry, Kallapalayam – Coimbatore, ii) Sri Krish Automation Ltd.

Chinnavadampatti – Coimbatore and iii) Kongu Industries Ltd, Thennampalayam – Coimbatore on 04.10.17 to establish a good contact for student projects, placements and internships.

- ❖ Dr.S.Ayyappan Assistant professor from Mechanical Engineering department coordinated 'Contraption' event for UDDESHAH-17 on 13.10.17 and 14.10.17
- ❖ Mr.C.Selva Senthil Prabhu Assistant Professor and Mr.S.Gnana Kumar Assistant Professor from Mechanical Engineering department coordinated 'CAD STAR' event under UDDESHAH-17 for 11 external participants on 14.10.17
- ❖ Dr.Rama Thirumurugan Associate Professor and Mr.M.Arun from Mechanical Engineering department coordinated paper presentation event under UDDESHAH-17 for 44 external participants on 14.10.17
- ❖ Dr.S.Ayyappan Assistant professor Mechanical Engineering department arranged and coordinated a guest lecture "Cultivating the Right Mindset for Future Readiness" on 24.10.17. Mr.Sivakumar Jayaraman Head of HR, IR and Administration, JK Fenner India Ltd. Madhurai, had been the Resource person and addressed the gathering.
- ❖ Dr.S.Ayyappan assistant professor Mechanical Engineering department arranged and coordinated a special talk on "Use of CAD and CAE for Engineering Applications", on 31.10.17. Mr.R.Shankar Narayanan, Chief operating officer, Harita techserv Ltd, Chennai, had been the resource person and addressed the gathering.

“INNOVATE” – AN EVENT BY MECHANICA

Mechanica organised an event – “INNOVATE” under Uddeshah-17 on 13th October-17. Mr.C.Selva Senthil Parbhu Assistant professor has been the department coordinator for the event, Mr.N.Muthu Sankar and Mr.S.Vijay organised the event along with team ‘Innovate’.



In this event, participants were put to work as team with 2-3 members per team. It had 3 rounds and was time-bound.

❖ Round #1: FIDGET SPINNER

- Participants were given with a kit and asked to prepare a fidget spinner of their own design.
- Out of 10 teams participated, 8 teams were selected for the next round based on their performance and design.



❖ Round #2: JET CAR

- Participants were given with a kit and asked to prepare a jet car of their own design.
- Out of 8 teams, 5 teams with good design and performance were selected for the final round of the event.



❖ Round #3: HYDRAULIC JACK

- Participants were given with a kit and asked to prepare a jet car of their own design.
- Each team worked very smartly to give out their best.
- 3 teams with best design and performance were selected.



The selected 3 teams were given the prizes and certificates.

FIRST PRIZE: N HARIPRASATH AND R KARTHIKEYAN FROM GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE.



SECOND PRIZE: M NAVEEN AND K R KARTHIKEYAN FROM SREE KRISHNA COLLEGE OF ENGINEERING, COIMBATORE.



THIRD PRIZE: M KISHORE AND S MITHUN SREE KRISHNA COLLEGE OF ENGINEERING, COIMBATORE.



FEED BACK FROM THE PARTICIPANTS:

- Event was very innovative and more like a learning forum.
- It was filled with joy and been the platform to know about one's own creative skills.
- Never experienced such an event before – very unique.
- Understood the difficulties in bringing out the concept into a model.

We don't expect this much of fulfilled technical event. The level of thinking in your college mates are awesome. It highly increases the creativity of our kind of students. Really the 'innovate' event is

Really interesting and also so entertaining. This type of event made us to think in multiple ways. Creative thinking and quick action help us to deal this event.

TEAM “INNOVATE”



“CADSTAR” – AN EVENT BY MECHANICA

Mechanica organised an event – “CADSTAR” under Uddeshah-17 on 14th October-17. Mr.S.Gnana Kumar Assistant professor Mechanical Engineering department has been the department coordinator for the event, Mr.M.Dinesh and Mr.R.Ranjith organised the event.



This is an individual participation event, in which 11 participants from various colleges were participated.

❖ Round #1: DESIGN QUIZ

- Participants were given with 20 questions to answer, with a time limit of 15 minutes.
- 7 participants were shortlisted to the next based on their score.



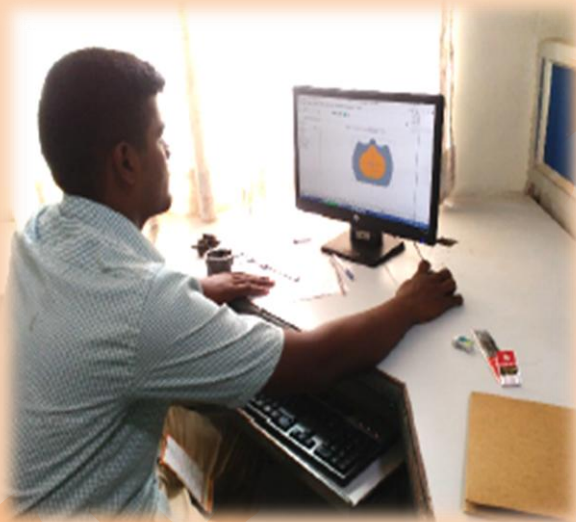
❖ Round #2: SKETCH and MODEL

- Participants were given with different automobile components like suspension, gear pump, machine vice, tie rod and piston with connecting rod.

- They are also provided with measuring instruments and stationery items.

- First they were asked to measure the dimensions and draw the free hand sketch of the selected component and then to model the component using CREO 2.0.

- The modelled components were to assemble and to be detailed.
- Based on selection criteria, three participants were selected and given prizes and certificates.



The selected 3 winners were given the prizes and certificates.

FIRST PRIZE: T PONNI KRISHNAN, SRI ESWAR COLLEGE OF ENGINEERING



SECOND PRIZE: K M GOWTHAM, SRI ESWAR COLLEGE OF ENGINEERING



THIRD PRIZE: A R PARTHASARATHI, SETHU INSTITUTE OF TECHNOLOGY



NOVEMBER 2017


Staff Development Programs

- ❖ Mr.M.Padmanaban Assistant professor, Mr.M.Arun Assistant Professor, Mr.E.Bhaskaran Assistant Professor, Mr.K.Prabhu Assistant Professor and Mr.N.Santosh Assistant Professor from Mechanical Department coordinated a two-day National Seminar on "Vibration and Noise Engineering" which was sponsored by AICTE from 10.11.17 to 11.11.17, held at Hall No 12, NPT, for which 60 people participated.
- ❖ Mr.R.Gnanaguru Assistant Professor, Mr.E.Bhaskaran Assistant Professor, Mrs.P.Shivaranjani Assistant Professor, Mr.K.Prabhu Assistant Professor and Mr.A.Srinivasan Assistant Professor (SG) and Mr.R.Bupathi Assistant professor (SS) from Mechanical Department coordinated FDP on "Behavioral skill for Holistic development which was sponsored by AICTE


from 27.11.17 to 10.12.17, held at CS Hall, MCET, for which 53 people participated.

Mechanica Association Activities


Dr. MAHALINGAM
MCET
COLLEGE OF ENGINEERING AND TECHNOLOGY
Enlightening Technical Minds



**All India Council for Technical Education
Sponsored Two Days National
Seminar on
“Vibration and Noise Engineering”
10th & 11th November 2017**



Organized by
**Department of Mechanical Engineering
Dr. MAHALINGAM COLLEGE OF
ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)**



NIA
DIAMOND JUBILEE YEAR
1957 - 2017

Dr.Mahalingam College of Engineering and Technology

(An Autonomous Institution)

Pollachi – 642 003.

AICTE Sponsored Two Days National Seminar on

“Vibration and Noise Engineering”

10th & 11th November 2017

PROGRAM DAY 1

Date: 10.11.2017	Venue: Hall No 12	Time: 09.15 am
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9.15 to 9.45 am Inauguration

09.50 to 11.00 am NVH Engineering in
Two Wheeler Product
Development

**Mr. Kannan
Marudachalam**

General Manager
Research &
Development,
TVS Motor Company,
Hosur



11.00 to 11.15 am Networking

11.15 to 12.45 pm Trends In Acoustic
Simulation

Mr. Varghese M John

CAE Application
Engineer
Knowledge Stream
(Technical Partners of
Siemens PLM), Pune



12.45 to 1.45 pm Lunch

1.45 to 3.15 pm Fundamentals of
sound and Noise
control Techniques

Dr.M.C. Lenin Babu

Associate Professor
School of Mechanical
and Building Sciences
VIT University, Chennai



3.15 to 3.30 pm Networking

3.30 to 05.00 pm Power Train NVH

Mr. K.Saravanan

Deputy Manager
Power train NVH Group
Mahindra & Mahindra
Ltd, MRV
Chennai



Dr.Mahalingam College of Engineering and Technology

(An Autonomous Institution)

Pollachi – 642 003.

AICTE Sponsored Two Days National Seminar on

“Vibration and Noise Engineering”

10th & 11th November 2017

PROGRAM DAY 2

Date: 11.11.2017	Venue: Hall No 12	Time: 09.30 am
09.30 to 11.00 am	Noise Source Identification Techniques and Solutions	<p>Mr.M.Jeyaselvan Assistant General Manager – NVH, Technology Elgi Equipments Limited Coimbatore.</p> 
11.00 to 11.15 am	Networking	
11.15 to 12.45 pm	Physical Validation of Reciprocating Engines and Gensets	<p>Dr. G.Balakrishnan Manager- Engineering Caterpillar India Private Limited Chennai</p> 
12.45 to 1.45 pm	Lunch	
1.45 to 3.15 pm	Noise & Vibration in Automobile	<p>Mr.N.Ambalavanan Chief Engineer -Product & Process - Engineering, Faurecia Clean Mobility Chennai.</p> 
3.15 to 3.30 pm	Networking	
3.30 to 05.00 pm	Dynamic Analysis of Heated Structures	<p>Dr.P.Jeyaraj Assistant Professor, Mechanical Engineering, NIT Karnataka Surathkal, Mangalore</p> 

Welcome Address:

- ❖ Sixty Participants from various companies & colleges were participated in this event.
- ❖ Welcome address was delivered by Dr. I Rajendren , HOD – Department of Mechanical engineering , Dr. Mahalingam College of Engineering & Technology.



Technical Session – 1:

- ❖ First technical session was Presented by Mr. Kannan Marudachalam, General Manager Research & Development, TVS Motor Company, Hosur
- ❖ +He presented the topic on NVH Engineering in Two Wheeler Product Development



Technical Session – 2:

- ❖ Second technical session was Presented by Mr. Varghese M John , CAE Application Engineer Knowledge Stream (Technical Partners of Siemens PLM), Pune.
- ❖ He presented the topic on Trends in Acoustic Simulation.



Technical Session – 3:

- ❖ Third technical session was Presented by Dr.M.C. Lenin Babu, Associate Professor , School of Mechanical and Building Sciences, VIT University, Chennai.
- ❖ He presented the topic on Fundamentals of sound and Noise control Techniques.

Technical Session – 4:

- ❖ Fourth technical session was presented by Mr. K.Saravanan, Deputy Manager, Power train NVH Group, Mahindra & Mahindra Ltd, MRV Chennai.
- ❖ He presented the topic on Power Train NVH.



Technical Session – 5:

- ❖ Fifth technical session was Presented by Mr.M.Jeyaselvan Assistant General Manager – NVH, Technology Elgi Equipments Limited Coimbatore
- ❖ He presented the topic on Noise Source Identification Techniques and Solutions

Technical Session – 6:

- ❖ Sixth technical session was presented by Dr. G.Balakrishnan Manager-Engineering Caterpillar India Private Limited Chennai.
- ❖ He presented the topic on Physical Validation of Reciprocating Engines and Gensets.



Technical Session – 7:

- ❖ Seventh technical session was presented by Mr.N.Ambalavanan Chief Engineer -Product & Process - Engineering, Faurecia Clean Mobility Chennai.
- ❖ He presented the topic on Noise & Vibration in Automobile.

Technical Session – 8:

- ❖ Eighth technical session was presented by Dr.P.Jeyaraj Assistant Professor, Mechanical Engineering, NIT Karnataka Surathkal, Mangalore.
- ❖ He presented the topic on Dynamic Analysis of Heated Structures.



Certificate Distribution



Group Photo along with Participants



Feedback from Participants:

- ❖ The feedback of the participants was very positive and motivational for the organizers. All the participants appreciated the pick and drop facility, food, lodging and boarding arrangements of the institute. Moreover, all the resource persons were of repute in their respective fields and the knowledge imparted by them was very useful in their forthcoming academic endeavours.

Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution)

Pollachi - 642 003.

Department of Mechanical Engineering

We cordially invite you for the Inaugural function of

AICTE Sponsored Two Weeks Faculty Development Programme

on

“BEHAVIOURAL SKILLS FOR HOLISTIC DEVELOPMENT”

Date : November 27th 2017 at 10.00 am

Venue : New Seminar Hall

Welcome Address

Dr. A. Rathinavelu

Principal, MCET, Pollachi

Inaugural Address

Dr. C. Ramaswamy

Secretary,

NIA Educational Institutions, Pollachi

Felicitations

Dr. V. Kovaichelvan

Director, IQC - TVS, Hosur

Vote of Thanks

Dr. I. Rajendran

HOD, Mechanical Engineering, MCET

Inauguration:

- ❖ The function was inaugurated by Dr.C.Ramaswamy, Secretary, Dr. MAhalingam college of Engineering & Technology.
- ❖ Dr.V.Kovaichelvan, Director, IQL-TVSM Motor, Facilitated the gathering.



Dr.C.Ramaswamy, Secretary
delivers the inaugural address

Dr.V.Kovaichelvan, Director, IQL-
TVSM, felicitates



Participants keenly listening



Session - 1:

Dr.V.Kovaichelvan, Director –Institute for Quality and Leadership, TVS Motor Company Ltd., delivered the session on “Behavioural skills – their importance in the institutional context.”



Context setting by Dr.V.Kovaichelvan

Interactive session – Dr. Kovaichelvan eliciting reflective responses



Dr.C.Ramaswamy, Secretary presenting a memento to chief guest Dr.V.Kovaichelvan

Session - 2:

Ms. Archana Chakravarthy, Principal Consultant, The Laureate Global, Bangalore delivered the session on "Envisioning aspirations" & "Goal setting".



Ms. Archana explains the steps of goal setting

Group presentation on way...



Group sharing of thoughts – facilitated by resource person

Session - 3:

Mr. Naveen Kumar M, Manager - Education & Training, TVS Motor Company, Hosur delivered the session on Understand self (values, preferences, beliefs)".



Mr. Naveen explaining values, beliefs, attitude – the basic terms

Deep look into emotional intelligence...



Underlining the importance of facilitating learning

Session - 4:

Session on “ Morality and Ethics handled” by

Dr.I.Rajendran

Professor & Head

Department of Mechanical Engineering

MCET, Pollachi

&

Mr.A.Srinivasan

Assistant Professor (Sel. Grade)

Department of Mechanical Engineering

MCET, Pollachi



To Aliyar – scenic on the way



Information from the volunteer



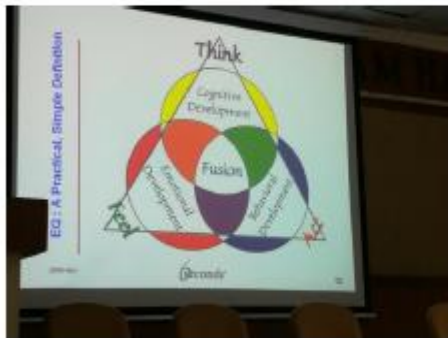
The group with Temple of Consciousness on the background



Lost blissfully in Nature's lap – the lush green environ inside the Arivu Thirikoil

Session - 5:

Mr.V.M.Ramalingam, Secretary, Indian Society for Applied Behavioural Science (ISABS) conducted a session on "Being empathetic – the art of Listening" & "Sensitivity and Handling others emotions" & "Cooperation, Collaboration and relationship building".



In to the affective domain - feeling



Mr. VM.Ramalingam talks on Jo-Hari Window



Making learning happen amid humour – VMR's unique way of engaging participants



On Emotional Intelligence for interpersonal effectiveness



Facilitating participants to interpret the score of an instrument



Session - 5:

Session on "Yoga for behavioural transformation" conducted by Dr. Judu Ilavarasu, Professor, SVYASA university, Bangalore.



Dr. Judu talks on behavioural transformation

Elucidates how mental wellness impacts physical health and the role of meditation to improve the same



Explains the initiatives in the domain of yoga taken up in SVYASA University

Session - 6:

Session on "Wellness framework, dimensions, Thuriyam meditation" conducted by Wellness staff members/MCET.



Mr. Venkatesan talks about dimensions of wellness



Initiation given by staff and volunteers for meditation



Meditation session



A participant demonstrating neuro-muscular breathing steps



Practice on foot reflexology



In deep relaxation



Dr. Perumal explaining the philosophy of kayakalpa and its practice



Kayakalpa practice being done



Honouring Dr. Perumal



Ms. Grace Suseela Rani handling sessions on introspection



Distributing SKY foundation course certificate to the participants

Session – 7 & 8:

Session on "Introspection – thought, desire" conducted by Prof. S.Grace Suseela Rani, SKY Professor/Aliyar.

&

Session on "Perception and communication" & "Personality & Behaviour" conducted by Dr.G.Senthilkumar, Director,Helikx Open School, Salem.



Dr. Senthilkumar explaining the perceptual process

Discussing about temperament (personality classification) after administering questionnaire



Dr. Senthilkumar being honoured by Secretary of the college

Dr. MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution)

Pollachi - 642 003.

Department of Mechanical Engineering

We Cordially invite you for the Valediction function of

**AICTE Sponsored Two Weeks Faculty Development Programme
on
"BEHAVIOURAL SKILLS FOR HOLISTIC DEVELOPMENT"**

Date : December 10th 2017 at 03.30 pm

Venue : New Seminar Hall

Valedictory Address

Dr. C. Ramaswamy

Secretary,

NIA Educational Institutions, Pollachi

Distribution of Certificate

Dr. A. Rathinavelu

Principal, MCET, Pollachi

VALEDICTORY FUNCTION



Welcome by Dr.I.Rajendran,
FDP Coordinator



FDP summary by Mr.A.Srinivasan,
FDP Co-coordinator



Participants feedback

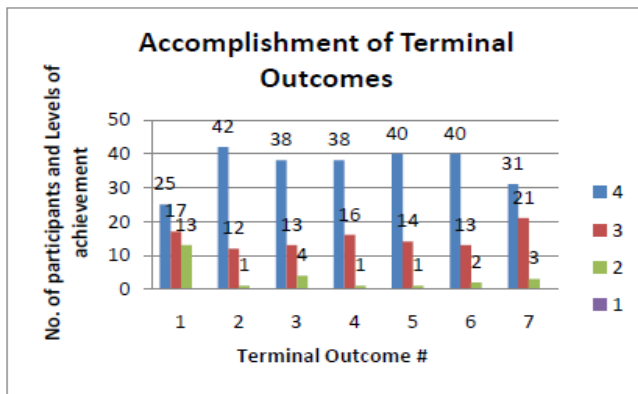


Certificates distribution

GROUP PHOTO



Summary:



- 4 – Able to use this outcome in my personal and professional life
- 3 – Able to appreciate this outcome
- 2 – Got an awareness about this outcome
- 1 – Not learned anything related to this outcome

#	Outcome	Level of achievement (% of participants)			
		4	3	2	1
1	Highlight the ancient Indian wisdom and Indian ethos for modern life	45	31	24	0
2	Understand terms like values, belief, perception, innate abilities, ethics & morality	76	22	2	0
3	Follow a personal plan for developing and maintaining wellness	69	24	7	0
4	Manage self with emotional competency and ethical responsibility	69	29	2	0
5	Develop interpersonal effectiveness and build harmonious relationships	73	25	2	0
6	Mentor students effectively to make them responsible for their own learning and progress	73	24	3	0
7	Set goals and constantly strive to achieve them	56	38	6	0

PLACEMENT DETAILS

A total of 57 students from final year Mechanical Engineering Department were placed in various companies.

- ✓ 9 students were placed in Infosys.

S.No:	Roll Number	Name of the Student
1	14BME019	Padmakumar D.S.
2	14BME030	ThanihavelSanthosh.S
3	14BME044	Srinivasan T.S.
4	14BME060	Bharathmohan.G
5	14BME061	Sugumar.V
6	14BME079	Logesh.M
7	14BME091	Sivakumar.A
8	14BME099	Subhas Chandra Bose.V
9	14BME105	Venkatprasanth.J

- ✓ 2 students were placed in Infosys & RANE.

S.No:	Roll Number	Name of the Student
1	14BME019	Sukesh.R
2	14BME045	GowthamPrasad.S
3	15BME328	Mohammed Yasik. M

- ✓ Sandeep Deepak L (14BME082) was placed in CARESOFT-Automation.
- ✓ Mathankumar A (15BME333) was placed in Focus Engineering Solutions, Bangalore.
- ✓ Gokul S (14BME015) and Ajay N (14BME043) were placed in Focus Academy for Career Enhancement (FACE).
- ✓ Satheeskumar M (15BME330) was placed in Embdes Technologies Ltd., Bangalore.
- ✓ Karthikeyan K (15BME320) was placed in Jacobi India Pvt Ltd., Mettuvavi.
- ✓ 4 students were placed in CARESOFT – Hypermesh.

S.No:	Roll Number	Name of the Student
1	14BME002	Jegan.R
2	14BME018	Sivanesh.K
3	14BME022	Pradeep R.V.
4	15BME312	Karthikraja.M

- ✓ 7 students were placed in Harita Techserv Ltd., Chennai.

S.No:	Roll Number	Name of the Student
1	14BME014	Barathkumar.C
2	14BME042	Manivannan.J
3	14BME055	Kaavya D.S.
4	14BME058	Harish Babu K.S.
5	14BME063	Ajithkumar.N
6	14BME064	Sivakumar.D
7	14BME074	Mathew Samson.J

- ✓ 5 students were placed in Bright Autoplast Ltd., Chennai.

S.No:	Roll Number	Name of the Student
1	14BME067	Jaganathan.R
2	14BME088	UmerSheriff.K
3	14BME092	Ravindhar.V
4	14BME110	PrakashRaja.G
5	15BME322	Surenderakumar.R

- ✓ 23 students were placed in Bright Hinduja Global Solutions, Bangalore.

S.No:	Roll Number	Name of the Student
1	14BME001	Manjojkumar N.P.
2	14BME005	Pragadeeswaran.V
3	14BME013	Sathishkumar.S
4	14BME016	Harshavardhan A.M.
5	14BME020	Vijayaraj K.R.
6	14BME025	Hemathkumar M.B.
7	14BME032	Balachander M.R.
8	14BME043	Ajay.N
9	14BME048	Sivanesan.T
10	14BME049	Jeevanantham.M.
11	14BME063	Ajithkumar.N.
12	14BME067	Jaganathan.R
13	14BME073	Logesh.R
14	14BME094	Pandidurai.S

S.No:	Roll Number	Name of the Student
15	14BME098	SelvaSubbian.P
16	14BME101	VarunAjith.R
17	14BME107	Jaivel.V
18	14BME109	Varunchakravarthi.K
19	14BME111	VasanthRathna.B
20	15BME304	SanthoshRamu.N
21	15BME310	SathishRaj.S
22	15BME314	Yokeswaran.N
23	15BME331	PrabakaranRamasamy



.....*Thank you.*.....