

**Thiagarajar college of Engineering, Madurai-15**

Department of Mechanical Engineering

**Faculty Feedbacks action taken report 2022-23**

A list of questionnaires has been shared with the students and their responses are consolidated  
[70 Responses]

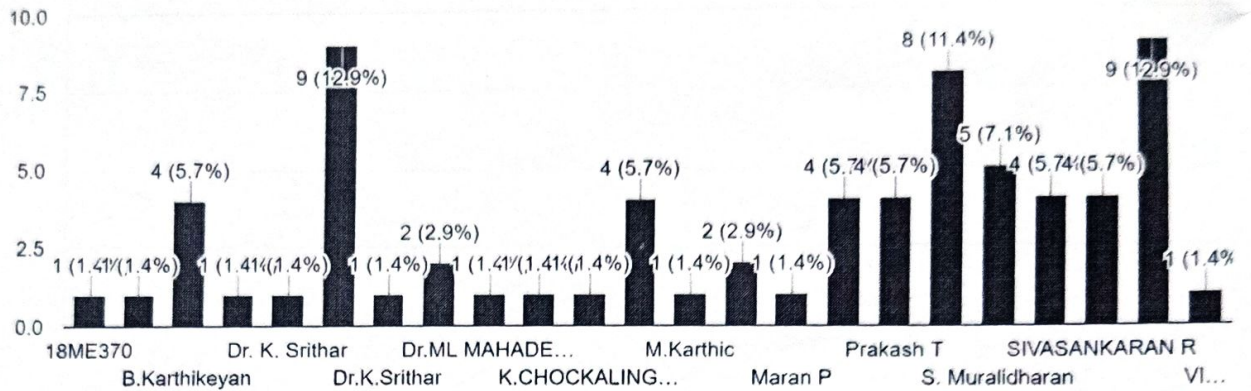
**Google Form link:**

<https://docs.google.com/forms/d/1TAe5Zr6S4JcmEGRRUcFFsk397fnyFka2gFUGE3dioXg/edit>

Modern Teaching tools (ICT tools) used	Kahoot , Use of smart board Flipped class room Tab with LCD projector Smart Classroom LED TV Case study ppt
Innovative Assessment methods followed to measure Course Outcomes at higher levels	Solving problems from MITOCW, Assignments in MiniTab Online coding in the course- problem solving using c and python Creation of Solid Models by applying the knowledge gained from learning theory. Mini projects. Fabrication of 3D product. Exercise on Blue Print Reading
Course contents that can be added/modified (Please give reason)	Most of the faculty recorded to add /remove topics in courses they handled. <b><u>Few suggestions are given listed below to add new topics:</u></b> Unconventional Machining Processes separate course for python and c programming Flow through Normal Shock Waves Milling Cost calculation Modern material handling system <b><u>Few suggestions are given listed below to remove topics:</u></b>  Cutting fluids in the course Metal Cutting Engineering AutoCAD – Practice, in the course engineering graphics.  <b>Action Plan :</b> The above points will be considered during upcoming revision of curriculum.

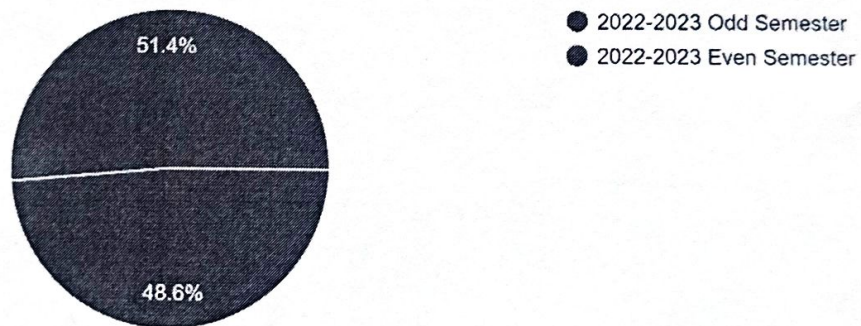
Name of Faculty

70 responses



Academic year and semester in which the course is handled

70 responses



*A. V. ...*  
HDME

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# THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-625015

(A Govt. Aided, Autonomous Institution Affiliated to Anna University)


## Department of Mechanical Engineering

### Faculty Feedback the academic year 2021-2022

Sl No.	Course Code and Name	Course contents that can be added/ Modified	Course contents that can be removed
1.	18ME350 Mechanical Measurements and Metrology	Modified and included in the fluid mechanics, thermal engineering, kinematics and dynamics courses	—
2.	18ME230 Metal Casting and Forming Processes	—	Topics related to sheet metal operations may be removed
3.	18ME510 Kinematics and Dynamics of Machinery	Dynamics lab is proposed in 2022 syllabus revision	---
4.	18ME680 CAD/CAM Lab	More CAD exposure is required hence separate CAD lab is recommended	-----
5.	18ES290 Lateral Thinking, 18ES390 Design Thinking	May be combined into one subject in 2022 syllabus revision	
6.	18ES690 Engineering Design Project 18ES790 Capstone Design Project	In 2022 syllabus revision, Student should do project specific to three major areas in mechanical engineering	-----

#### Action Taken

Course instructors and course designers of above courses are informed about the comments and instructed to take appropriate changes in the syllabus and pass in coming Board of Studies meeting

K. C.   
HDME  
JM

**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI – 625 015.**  
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**Department of Mechanical Engineering**

**Faculty Feedback the academic year 2018-19, 2019-2020**

Course Code and Name	Course contents that can be added/modified	Course contents that can be removed
14ME330 Metal Joining Processes and Manufacturing Practices	Robotic welding and recent advances in welding	—
14ME430 Machining Processes	Topics related to Unconventional Machining Processes	
14ME450 Production Drawing	--	CAD Drafting part can be removed
14ME480 Machining Practices Lab	Experiments in shaper shall be added to gain experience another domain of machine tool	--
14ME540 Heat and Mass Transfer	-	Boiling and Condensation topics. Syllabus is voluminous.
14ME550 Mechanical Measurements and Metrology	--	Content related to Control and Instrumentation
14ME630 Statistical Quality Control	Topics related to Probability and various distribution	
14ME640 Design of Transmission system	Design Brake	Design of Bearings
14ME691 Mechanical Measurement and Metrology Lab	Determination of moment of inertia, Vibration	Level control
14ME770 Finite Element Analysis	Theory of Elasticity may be added before one dimensional chapter	Some one dimensional problem may be removed
14MEGC0 Industrial Robotics	Content related to Artificial intelligence may be added. The content on Dynamics of Manipulator to be modified.	VAL programming shall be removed in the place of content on AI
14MEPA0 Product Design and development	Innovation in product development, IPR search and writing	--
14MEPR0 Assembly Engineering	Modelling in assembly system design shall be introduced.	Selective Assembly shall be removed comparatively needs to more time on its delivery and students' learning. 'Assembly architecture' shall be removed as they are studying the same content in Manufacturing System Automation.
14MGPH0 Design for Manufacture and Assembly	Design for sheet metal where pre-requisite concepts of sheet metal processing lacks with the students.	CAD modeling tools may be added for Design for Assembly to meet the industrial expectations.

**Action Taken**

Course Instructors and Course designer of above courses are informed about the comments and instructed to take appropriate changes in the syllabus and pass in coming Board of studies meeting

*K. C. S.*

**HDME**

*MV*