

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023-24 / ODD SEMESTER

VALUE ADDED COURSE REPORT

As per Students Enrichment, a value addition initiative course on “smart materials and structures” has been conducted for third year students on Saturdays. which enhanced the students’ knowledge about different normal and abnormal behavior of certain materials (smart materials) and their engineering applications. Two assessments have been conducted for evaluation of the course. For all passed students, the E- certificate has been issued through the mail.

COURSE DETAILS

Course Code & Name: MVA005 & Smart Materials and Structures

Year / Semester: III / V

Course duration: 27.08.2023 to 22.10.2023 (30 Periods)

No of students enrolled: 49

No of students completed the course: 48

Course Incharge: Mr. V.Aravind

Course Credit Points: 2

COURSE OBJECTIVES

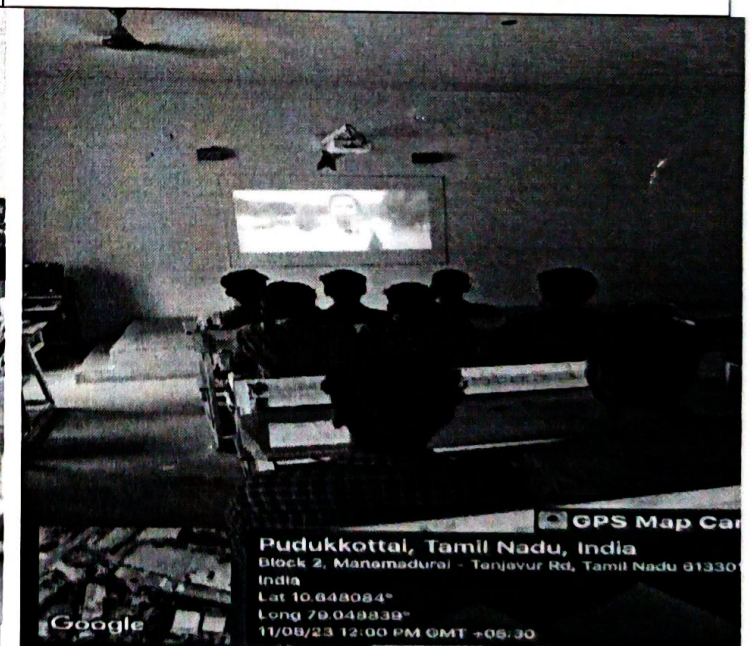
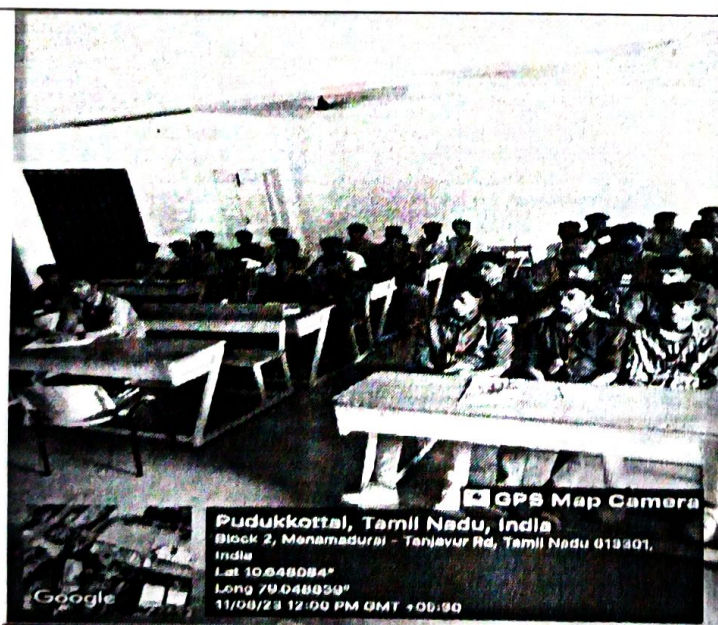
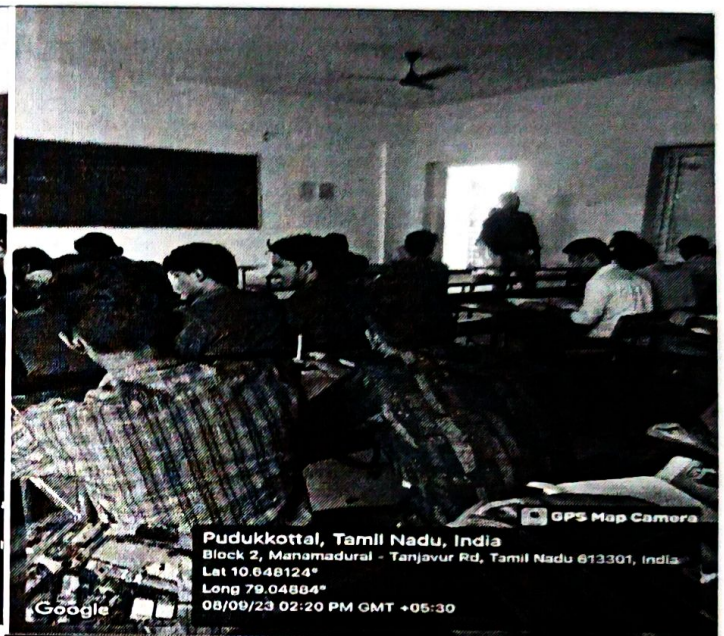
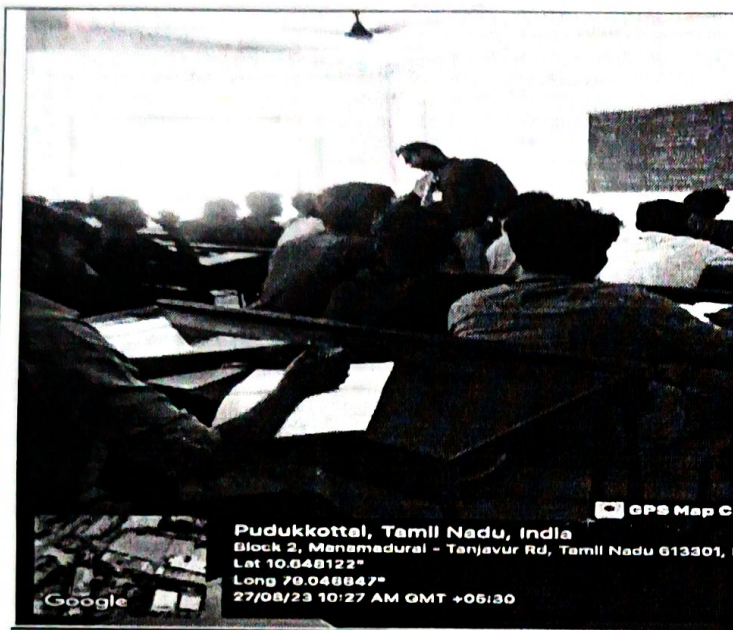
- To describe the basic principles and mechanisms of smart materials and devices.
- To enhance the knowledge of the physical principles underlying the behavior of smart materials.
- To understand the basic principles in smart sensors, actuators and transducer technology and mechanisms of measuring techniques with applications.

COURSE OUTCOMES:

Upon the completion of this course the students will be able to

1. Classify various smart materials and devices.
2. Formulate an analytical approach on vibration absorbers.
3. Demonstrate strain measurement using smart materials.
4. Develop control strategies for smart structures, dampers for health monitoring of structures.

COURSE SCREENSHOTS



Mr. V.Aravind handled the sessions of "Smart materials and structures "in different days

FEEDBACK

Feedback has been collected from the students at the end of sessions



Student Feedback Form for Value Added Course Mechanical Department Student Feed Back

Course : Smart Materials And Structures
Academic year : 2023-2024 Batch- 2021-2025
Semester : V

Name : Kincily Reg No: 821121114304

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course content	✓				
2	Skill development	✓				
3	Motivation	✓				
4	Regularity & punctuality		✓			
5	Coverage of syllabus	✓				
6	Interaction	✓	✓			
7	Individual attention		✓			
8	Outcome		✓			
9	Other suggestion		✓			



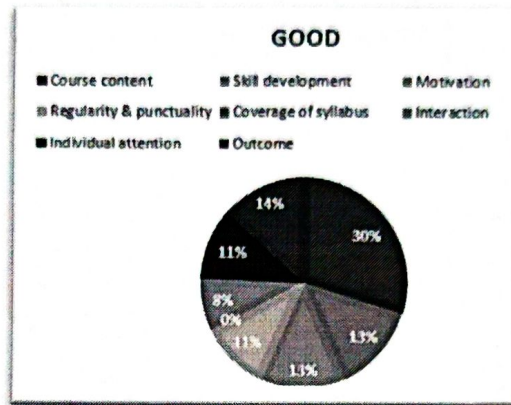
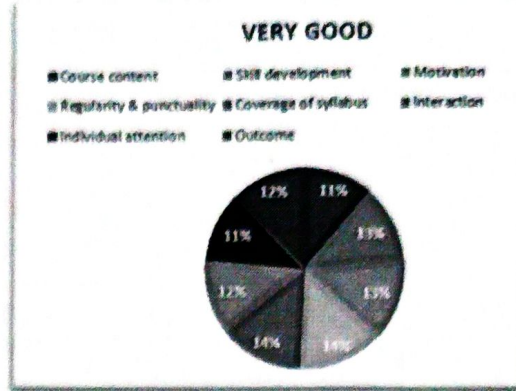
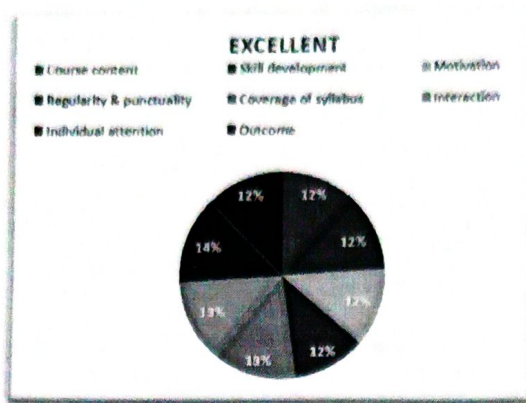
Student Feedback Form for Value Added Course Mechanical Department Student Feed Back

Course : Smart Materials And Structures
Academic year : 2023-2024 Batch- 2021-2025
Semester : V

Name : Dhinakaran Reg No: 821121114007

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course content	✓				
2	Skill development		✓			
3	Motivation		✓			
4	Regularity & punctuality	✓				
5	Coverage of syllabus	✓				
6	Interaction		✓			
7	Individual attention		✓			
8	Outcome	✓				
9	Other suggestion		✓			

FEEDBACK	Excellent	Very Good	Good	Fair	Satisfactory
Course content	30	10	08	-	-
Skill development	28	11	09	-	-
Motivation	30	09	09	-	-
Regularity & punctuality	32	07	09	-	-
Coverage of syllabus	30	11	07	-	-
Interaction	33	10	05	-	-
Individual attention	32	11	05	-	-
Outcome	31	13	04	-	-



SAMPLE CERTIFICATES





KINGS
COLLEGE OF ENGINEERING
Recognised under 2(F) & 12(B) of UGC
Approved by AICTE, New Delhi.
Affiliated to Anna University, Chennai.





[E - CERTIFICATE]

This is to certified that

Mr. Akash M

has successfully completed the Value Added Course (2 Credits) **MVA005 - Smart Materials and Structures** required course of study approved by the Anna University for the fifth semester on Third year Mechanical Engineering.



System generated certificate signatures is not required



[E - CERTIFICATE]

This is to certified that


Mr. SIVA A


has successfully completed the Value Added Course (2 Credits) MVA005 - Smart Materials and Structures required course of study approved by the Anna University for the fifth semester on Third year Mechanical Engineering.



System generated certificate signature is not required


Staff Incharge


HOD/Mech 23/2/2024


Principal 23/2/2024