



# SYLLABUS

SCHOOL OF ENGINEERING  
ACADEMIC YEAR - 2019-20

PROGRAM: M. TECH - THERMAL SCIENCE (MECHANICAL ENGINEERING)  
SEMESTER - IV (Batch - 2018-20)

DEFINATION OF ONE CREDIT:

1. **Lecture (L):** 1 hour / week / semester,
2. **Practical (P):** 2 hour / week / semester,
3. **Tutorial (T):** 2 hour / week / semester.

## TEACHING SCHEME

Course Code	Course Name	Teaching Hours			SSH	Credits	Audit course	CIE	PSEE	Remarks if any
		Theory	Tutorial	Practical						
THDP2	Dissertation Phase-II	-	-	-	20	25	N	Y	Y	
<b>TOTAL</b>		-	-	-	<b>20</b>	<b>25</b>				
		<b>Total Teaching Hours --</b>								

N- No

CIE – Continuous internal evaluation

Y – Yes

PSEE – Practical semester end examination including ITD, Dissertation, Industrial project, Industrial training etc.

SSH - Self-study hours

**HOD**

**Director**

<b>Course Title</b>	<b>DISSERTATION PHASE - II</b>
<b>Course Code</b>	<b>THDP2</b>
<b>Course Credit</b>	Lecture : 00
	Practical : 25
	Tutorial : 00
	Total : 25

### Course Learning Outcomes

**At the end of the course the students will be able to**

- **Plan** the research work according to the literature survey made earlier.
- **Evaluate** alternative system designs, methodologies or algorithms.
- **Apply** theorems or theories which expand the body of knowledge in design engineering and furnish a basis for the development of methodologies or algorithms
- **Write** reports & research papers and Express their work by audio/visual presentation.

### Guide Line:

Major Project Part II is a continuation of the work done by the student during semester III. The student is required to submit thesis as a partial fulfillment of the M. Tech degree. The thesis should consist of detailed study of the problem under taken, concluding remarks and scope of future work, if any.

The project report (thesis) is expected to show clarity of thought and expression, critical page appreciation of the existing literature and analytical, computational and experimental aptitude of the student.

Publication of at least one research paper is compulsory in reputed conference/journal.