

**Detailed Syllabus**  
**Lecture-wise Breakup**

<b>Course Code</b>	17I17CS511	<b>Semester Even</b> (specify Odd/Even)	<b>Semester XI Session</b> 2023 -2024 <b>Month from</b> Jan' 24 to June' 24
<b>Course Name</b>	Dissertation (Integrated M. Tech (CSE)) (NBA Code: C219)		
<b>Credits</b>	20	<b>Contact Hours</b>	32

<b>Faculty (Names)</b>	<b>Coordinator(s)</b>	Dr. Shikha Jain
	<b>Teacher(s)</b> (Alphabetically)	Dr. Shikha Jain

<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVELS</b>
C219.1	Identify and refine a research problem after critical analysis of relevant literature.	Analyze (Level-4)
C219.2	Apply appropriate research methodology to design and implement the solution of research problem	Apply (Level-3)
C219.3	Critically analyse and evaluate the proposed solution with respect to state-of-art	Evaluate (Level-5)
C219.4	Report the research findings clearly and effectively both in written and oral form while following the research ethics.	Create (Level-6)
C219.5	Demonstrate significant research contribution in relation to employability and higher studies.	Create (Level-6)

<b>Evaluation Scheme</b>	
Day to day work to be awarded by Supervisor -	40 Marks
End Semester Evaluation by a panel of Examiners -	50 Marks
Significant/special contribution to be awarded by Panel of examiners -	10 Marks
<b>Total Marks –</b>	<b>100 Marks</b>

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**Lecture-wise Breakup**

<b>Course Code</b>	17I17CS512	<b>Semester Even</b> (specify Odd/Even)	<b>Semester XI Session</b> 2023 -2024 <b>Month from</b> Jan'24 to June'24
<b>Course Name</b>	Industrial Project (Integrated M. Tech (CSE)) (NBA Code: C220)		
<b>Credits</b>	20	<b>Contact Hours</b>	32

<b>Faculty (Names)</b>	<b>Coordinator(s)</b>	Dr. Shikha Jain
	<b>Teacher(s)</b> (Alphabetically)	Dr. Shikha Jain

<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVELS</b>
C220.1	Identify the real world problems after critical analysis of existing solutions and tools in relevant industry	Analyze (Level-4)
C220.2	Apply engineering knowledge to design and implement the solution	Apply (Level-3)
C220.3	Critically analyse and evaluate the proposed solution with respect to alternatives	Evaluate (Level-5)
C220.4	Report the project findings clearly and effectively both in written and oral form in relation to employability while following the research ethics	Create (Level-6)

**Evaluation Scheme**

**To be awarded by Supervisor from Industry**

- (i) Problems statements and identification of work plan - 10 Marks  
(ii) Execution of work plan and progress made - 40 Marks

**Total (a) : 50 Marks**

**To be awarded by Supervisor from JIIT**

- (iii) Interaction with Internal Supervisor upto mid semester - 10 Marks  
(iv) Interaction with Internal Supervisor from mid to end semester - 10 Marks  
(v) Report, Presentation and Viva-Voce at the end of semester - 30 Marks  
by a panel of examiners consisting of Internal Supervisor,  
a nominee of HoD and a nominee of Dean A & R /RID as  
approved by VC

**Total (b): 50 Marks**

**Grand Total (a+b) : 100 Marks**

**Detailed Syllabus**  
**Lecture-wise Breakup**

<b>Course Code</b>	17I17CS513	<b>Semester ODD</b> (specify Odd/Even)	<b>Semester XI Session</b> 2023 -2024 <b>Month from</b> Jan'24 – June'24
<b>Course Name</b>	Entrepreneurial Project NBA code : 221		
<b>Credits</b>	16	<b>Contact Hours</b>	32
<b>Faculty (Names)</b>	<b>Coordinator(s)</b>	Dr. Shikha Jain	
	<b>Teacher(s)</b> (Alphabetically)	Dr.Shikha Jain	

<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVELS</b>
C221.1	Identify the real world problems after critical analysis of existing solutions and tools in relevant industry	Analyze (Level-4)
C221.2	Apply engineering knowledge to design and implement the solution	Apply (Level-3)
C221.3	Critically analyse and evaluate the proposed solution with respect to alternatives	Evaluate (Level-5)
C221.4	Report the project findings clearly and effectively both in written and oral form in relation to employability while following the research ethics	Create (Level-6)
<b>Evaluation Scheme</b> <b>Evaluation Scheme</b> Day to day work to be awarded by Supervisor - 40 Marks End Semester Evaluation by a panel of Examiners - 50 Marks Significant/special contribution to be awarded by Panel of examiners - 10 Marks <b>Total Marks – 100 Marks</b>		

<b>COs</b>	<b>PO 1</b>	<b>PO 2</b>	<b>PO 3</b>	<b>PSO1</b>	<b>PSO2</b>
C221.1	2 Student will do critical analysis of relevant literature/ solutions/ tools to find the existing gaps		1 Student will frame the research objectives based on the existing gaps.	1 Student will investigate some real life computing problems	1 While investigating the research problem, student will follow all the industry ethics.
C221.2	3 Student will propose design to fill the existing gaps	1 Student will draw the design diagram in the report	2 Student will propose novel solution/ implementation for the identified problem.	3 Student will propose novel solution for the some real life computing problems	2 While proposing the solution, student will follow all the industry ethics.

C221.3	<b>1</b> Student will investigate the evaluation metrics	<b>2</b> Student mention the evaluation methods in the report	<b>3</b> Student will evaluate and analyze the proposed design and check its goodness	<b>3</b> Student will evaluate the proposed solution for the some real life computing problems	<b>2</b> While evaluation, student will follow all the industry ethics.
C221.4		<b>3</b> Students will submit a project report	<b>3</b> Students will submit a project report from the selected domain		<b>3</b> While writing the report, student will follow all the industry ethics.
<b>Avg.</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>