



SHRI RAWATPURA SARKAR UNIVERSITY, RAIPUR, CHHATTISGARH  
FACULTY OF ENGINEERING

# Shri Rawatpura Sarkar University, Raipur



## Scheme of Teaching ,Examination & Syllabus

for

**M.TECH (Power Electronics)**

**Semester-(IV)**

(Effective from the session: 2022-23)



**SHRI RAWATPURA SARKAR UNIVERSITY, RAIPUR, CHHATTISGARH**  
**FACULTY OF ENGINEERING**

**Two Years M.Tech. Programme**

**Scheme of Teaching and Examination**

**M.Tech. Fourth Semester Power Electronics**

Outcome Based Education (OBE) and Choice Based Credit System (CBCS)

(Effective from the Academic Year 2022-2023)

S. No.	Course Code	Course Title	Hours / Week			Credits	Maximum Marks			Sem End Exam Duration (Hrs)
			L	T	P		Continuous Evaluation	Sem End Exam	Total	
1	MENPE401 P	Dissertation + Seminar	-	-	48	24	200	300	500	-
						24			500	



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<b>Course Title</b>	<b>DISSERTATION &amp; SEMINAR</b>				
<b>Course Code</b>	<b>MENPS401P</b>				
<b>Course Credits</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>TC</b>	
	-	-	<b>48</b>	<b>24</b>	
<b>Prerequisites</b>	Pre-Dissertation				
<b>Course Objectives</b>	<p><b>This course will enable students to:</b></p> <ul style="list-style-type: none"> <li>• Undertake research into any aspect of Power system Engineering</li> <li>• Widen and enrich the literature pertaining to the topic of research</li> <li>• Present the research findings before experts (academicians and/or professionals) in the chosen field.</li> <li>• Prepare a technical report on the research undertaken</li> <li>• Explore in depth and develop a subject of his/her own choice, which adds significantly to the body of knowledge existing in the field of Power system and which uses the knowledge he/she has acquired from theory and design courses previously taken.</li> </ul>				
<b>Course Contents</b>	<p><b>The submission for first internal review should have the following:</b></p> <p>Synopsis which includes a working title, background to the study, need for the study aim and objectives, methodology, scope and limitations, preliminary literature studies, and brief introduction about the study area. The study is to be presented as sheets with all necessary data including survey report, area outcome, photos etc. An A4 size draft report should be submitted with minimum 20 pages.</p> <p><b>The submission for second internal review should have the following:</b></p> <p>All previous sheets/slides with improvement, all secondary data about the study area including model, reports&amp; photographs, results from primary studies &amp; its analysis. The study is to be presented as sheets with all necessary model, data, photos etc .An A4 size draft report should be submitted with minimum 40 pages.</p> <p><b>The submission for third internal review should have the following:</b></p> <p>All previous sheets/slides with improvement, Data Analysis /Findings/Results/, Inferences, Strategies/guidelines/proposals, Conclusion. The study is to be presented as sheets with all necessary circuits, readings, photos etc .An A4 size draft report should be submitted with minimum 60 pages.</p> <p>The final end semester Viva Voce will be conducted by a Evaluation committee appointed by University. The students should submit 3 copies of the final thesis report before the final examination. The study is to be presented as A1 sheets (max. 40 no"s) with all necessary circuits, flow charts, photos etc. The students may also</p>				



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	present models/ short videos/ power point presentations about the project.
<b>Course Outcomes</b>	<b>After the completion of course:</b> <ul style="list-style-type: none"><li>• Identify Topics where there is a gap research in relevant field of study</li><li>• Conduct literature search to further understanding of the topic of study, develop suitable research designs and applying it in the research.</li><li>• Disseminate the findings of the research in professionally acceptable standards</li></ul>
<b>Text Books</b>	<ol style="list-style-type: none"><li>1. Thesis and Dissertations: A Guide to Planning, Brubaker, D.L. and Thomas, R.M. Research and Writing.</li><li>2. How to Write a Thesis, Rowena Murray (3<sup>rd</sup> Edition)- Open University Press</li><li>3. Thesis Writing 2005 F. Abdul Rahim, New Age International (P) Limited Publishers, New Delhi.</li><li>4. How to Write Your Thesis - Kastens, K. Pfirman, S., Stute, M., Abbott, D. and Scholz, C Colombian University</li></ol>