

**Shri Rawatpura Sarkar University,
Raipur**



Examination Scheme & Syllabus

For

**Master of Technology
(Information Technology)**

Semester- IV

(Effective from the session: 2021-22)



**SHRI RAWATPURA SARKAR UNIVERSITY, RAIPUR,
CHHATTISGARH
FACULTY OF ENGINEERING
Department of Computer Science & Engineering**

**Scheme of Teaching and Examination
M.Tech. IV Semester**

Specialization- Network and Internet Security

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 | | Continuou s Evaluation | Sem End Exam | Total | |
| 1 | EMT07401 | Dissertation | - | - | 32 | 16 | 150 | 350 | 500 | 3 Hrs. |
| Total Contact hr. per week: 16 | | | Total Credit | | | 16 | 150 | 350 | 500 | |



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|--------------------------|---|----------|-----------|-----------|--|
| Course Title | Preliminary Work on Dissertation | | | | |
| Course Code | EMT07401 | | | | |
| Semester | M.Tech – NIS 4th Sem | | | | |
| Course Credit | L | T | P | TC | |
| | - | - | 32 | 16 | |
| Prerequisites | - | | | | |
| Course Objectives | <ol style="list-style-type: none">1. Demonstrate of well-defined selected project problem.2. Encourage preparing one International Journal and attends two International Conferences related to their Final project.3. Present effectively each part of the dissertation in terms of motivation, literature, methodology, experimentation and final conclusions | | | | |
| Course Contents | <p>A preliminary work must be completed as per the following:-</p> <ol style="list-style-type: none">1. Well-defined Engineering Research – based Problem must be selected.2. Motivation to select such problem.3. Literature Survey: Part 1 (What other researchers have done so far?) .4. Literature Survey: Part 2 (What are the Voids found?).5. Problem Formulation (As per the voids detected).6. Solution Methodology with respect to the :<ol style="list-style-type: none">a. Flowchart and Algorithm.b. What methods have been applied?c. Why they have been applied?d. How they have been applied?e. Mathematical formulations to justify the work.f. Case based studies (if any).g. Results and Discussions (must be thorough).7. So far Observations and further planning's.8. Any help to the Society through the selected research based problem.9. The thesis must be completed as per the following format:(Next Page). | | | | |
| Text Books | - | | | | |
| Reference Books | - | | | | |



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|-------------------|---------------------------------|---|
| Binding of thesis | Cover | Five Hard Cover Binding and two Soft Cover Binding |
| | Colour | Light Blue |
| | Margin Top | 4 Cm |
| | Margin Bottom | 4 Cm |
| | Margin Left | 4 Cm |
| | Margin Right | 2 Cm |
| | Printing on the Top | Title of the thesis in capital letters (24 font size) Times New Roman |
| | Printing in the middle of cover | Name of the candidate in capital letters (18 font size) Times New Roman |
| | Printing on Bottom | THESIS Submitted to SRU Raipur for the award of the Degree of Master of Technology in..... (subject) with Specialization Month, Year |
| | Printing on the Binding edge | The binding edge of the jacket should contain the name of the candidate, year and thesis title. |
| Inside of thesis | Printing | In 1 ½ space, All text in 11 Size with Ariel font and all equations and symbols in 12 size with Times Roman font. |
| | Margin Top | 3 Cm |
| | Margin Bottom | 3 Cm |
| | Margin Left | 4 Cm |
| | Margin Right | 2 Cm |
| | Quality of paper | Good quality (Executive of 85 GSM) |
| | Size of paper | 29 cms long, 23 cms wide |
| | Table of contents | (i) Printing of cover to be repeated on first page |
| | | (ii) Certificate of the supervisor(s) |
| | | (iii) Acknowledgement |
| | | (iv) Synopsis -To convey briefly the content of the thesis to draw attention to all new information and to the main conclusions. It should be factual and should be suitable for copying, quoting or indexing by information services. |
| | | (v) Contents |
| | | (vi) List of Tables |
| | | (vii) List of Figures |
| | | (viii) List of symbols and abbreviations, if any-The text which follows should have suitable titles and sub-titles with pages numbered at the top right hand corner 1 cm from top and 1 cm from right edge. First chapter should be 'Introduction' Second chapter should be "Review of Related Work" Third chapter should be "Problem Formulation and Solution Methodology" Fourth chapter should be "Experimental Results and Discussions" Fifth chapter should be "Applications of the work" and the last chapter should be 'Conclusions and Further Scope of the Work' Appendix (if any) can be kept after Bibliography |



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| | Bibliography | Either the Harvard system, in which the names and dates given in the body of the text and the references to be alphabetically listed at the end of the thesis or a system in which numbers are inserted in the text e.g. [3], and references to those are given at the end of the thesis in as BIS system. |
| | List of Publications | At least one UGC listed Journals and one International Conferences (All peer reviewed) must be there. Here the first author must be the Research Scholar and the other authors must be his/hers Supervisor (s). |