**Master of Science Advanced Computing**  **SRKI** 



**Faculty of Science**

Shree Ramkrishna Institute of Computer Education &

Applied Sciences, Surat

**M. Sc. Advanced Computing**

**SEMESTER- 4**

84

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| **SRKI**  **Master of Science Advanced Computing** |  |

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|  | | **Semester -4** | | | | | | |
| **Course Code** | **Title** | **Teaching Hrs.**  **per week** | | **Course Credits** | **University**  **Examination** | | **Internal Marks** | **Total**  **Marks** |
| **Theory** | **Practical** |  | **Duration** | **Marks** |  |  |
| 401 | DSC-7 Project / Dissertation |  |  | 20 | - | 150 | 350 | 500 |
| 402 | DSE-4 Seminar  Presentation/Review of published research paper |  |  | 4 | - | 30 | 70 | 100 |
|  | Total= |  |  | 24 |  |  |  | 600 |

85

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**Course: Project**

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| Course Code |  |
| Course Title | **Project** |
| Credit | 20 |
| Teaching per Week | 20 hours (i.e. 2 Students / hour / Week) |
| Minimum weeks per Semester | 15 (Project work, Self-Study, examination, preparation, holidays etc.) |
| Last Review / Revision | --- |
| Purpose of Course | Students will get trainedinindustrial practices andactivities ofSoftware Engineering |
| Course Objective | To expose students toindustrial practices andactivities of software engineering and train them about the same. |
| Pre-requisite | Knowledge of AdvancedProgramming, Latest Technologies andTools and Software Engineering. |
| Course Out come | After completion of this course, the student will be capable tostart professional career and/or research work in the field of Information Technology. |
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| Course Content | Entire semester is allocated fora full-time project work. All the  students have to undergo a project preferably in an industry or any reputed institute. The students must prepare documentation of the project work done as per the software Engineering Guidelines. At the end of the semester, the students have to submit their project report in bounded form to the  respective institution. The project presentation and viva – voice will be conducted on the basis of it.  The students have to submit the following reports to their respective institution:  1. Project Joining Report  2. Appropriate name of the project  3. Monthly Progress Report duly sign by the concern external  guide  4. Project Completion Certificate  5. Institution/College Certificate  6. Software Coding declaration…(if industry/organization doesn‟t permit students to submit the source code) ( To be submitted at the time of joining project training)  7. Attendance Report  Without such reports student will not be allowed to appear in his/her final Project Presentation and Viva-Voice. |
| Teaching Methodology | Project guidance, review |
| Evaluation Method | 70% Internal assessment is basedon project presentationand/or demonstration and viva-voice examination.  30% assessment is based Project Presentation and/or demonstration and viva-voice examination at the endof semester. |

86

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**Course : Seminar Presentation/Review of published research paper**

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| Course Code |  |
| Course Title | **Seminar Presentation/Review of published research paper** |
| Credit | 4 |
| Teaching per Week | 10 hours |
| Minimum weeks per Semester | 15 (Project work, Self-Study, examination, preparation, holidays etc.) |
| Last Review / Revision | --- |
| Purpose of Course | **Seminar/Presentation:**  The purpose of the course is to make student capable of gaining  additional knowledge (besides the curricula) in the field of information  technology by self learning practices and presenting and/or  demonstrating it.  **Research review:**  The purpose of a review paper is to succinctly review recent progress in a  particular topic. Overall, the paper summarizes the current state of  knowledge of the topic. It creates an understanding of the topic for the  reader by discussing the findings presented in recent research papers |
| Course Objective | Additional knowledge building in the field of Information Technology using self-learning practice and research paper reviews. |
| Pre-requisite | Basic Knowledge of Information Technology theories, activities, methods, techniques & tools |
| Course Out come | After completion of this course, the student will have gained further knowledge (besides the curricula) in the field of information technology by self learning practices and will be capable of presenting and/or demonstrating it. **OR**  The student will benefit with research paper reviews   To help improve writing and research skills   To professionalize the graduate experience.   To inform a future career path |
| Course Content | In this paper students will have to select any topic related to  information technology field– preferably based on the current trends and technologies for the seminar. Individual student is required to prepare a seminar report. At the end of the semester student has to submit seminar report with satisfactory detail study in the bounded form to the respective institution. The seminar presentation and viva voice will be conducted on the basis of selected topic at the end of the semester.  The students have to submit the following documents to their respective institution:  1. Name and abstract of the Topic selected.  2. Monthly Progress Report duly signed by the concern internal guide 3. Work Completion Certificate by internal guide  4. Institution/College Certificate |
| Teaching Methodology | Seminar guidance, review |
| Evaluation Method | 70% Internal assessment is based on seminar presentation and/or demonstration and viva-voice examination.  30% assessment is based seminar Presentation and/or demonstration and viva-voice examination at the end of semester. |

87

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88