**Bachelor of Science Computer Science**  **SRKI** 



**Faculty of Science**

Shree Ramkrishna Institute of Computer Education & Applied Sciences, Surat

**B.Sc. Computer Science**

**SEMESTER- 6**

75

**Bachelor of Science Computer Science**  **SRKI** 

**Course: 601 Project work**

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| Course Code |  |
| Course Title | **DCS-11, DCS-12, DSE-6:Project work** |
| Credit | 20 |
| Teaching per Week | 24 hours |
| Minimum weeks per Semester | 15 (Project work, Self-Study, examination, preparation, holidays etc.) |
| Last Review / Revision | --- |
| Purpose of Course | Students will get trained inindustrial practices and activitiesof Software Engineering |
| Course Objective | To expose students to industrialpracticesand activities ofsoftware engineering and train themabout the same. |
| Pre-requisite | Knowledge of Advanced Programming, Latest Technologies and Tools and Software Engineering. |
| Course Out come | After completion of this course, the studentwillbe capable to start professional career and/or research work in the field of Information Technology. |
| Course Content | Entire semester is allocated for afull-time projectwork. Allthe 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 of work |
| Evaluation Method | 70% Internal assessment is based on project presentation and/or  demonstration and viva-voce examination, Project progress Review  30% assessment is based Project Presentation and/or demonstration and viva-voce examination at the end of semester. |

76

**Bachelor of Science Computer Science**  **SRKI** 

**Course 602: Seminar / Research Review: Emerging trends, technologies and tools in computer science**

**and IT**

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| Course Code |  |
| Course Title | **DSE-6:: Emerging trends, technologiesand tools in computer science and IT** |
| Credit | 4 |
| Teaching per Week | 2 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.  **OR**  Review of Research paper:  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 thefield of Information Technology using self-learning practice and research paper reviews. |
| Pr-requisite | Basic Knowledge of Information Technology theories, activities, methods, techniques&tools |
| Course Out come | Seminar presentation:  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**  **Review of research paper:**  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 haveto selectany 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 ofthesemester. |

77

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|  | The students have to submitthefollowing 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 assessmentisbased on seminarpresentation and/or  demonstration and viva-voice examination.  30% assessment is based seminar Presentation and/or  demonstration and viva-voceexamination at theend of semester. |

78