SARVAJANIK
UNIVERSITY

INCLUSIVE | INTEGRATED | INNOVATIVE

Faculty of Science

Shree Ramkrishna Institute of Computer Education & Applied Sciences, Surat

M. Sc. Advanced Computing

SEMESTER- 4

Course Code	Title	Teaching Hrs. per week		Course Credits	University Examination		Internal Marks	Total Marks
		Semester -4						
		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

Course: Project

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 trained in industrial practices and activities of Software Engineering
Course Objective	To expose students to industrial practices and activities of software engineering and train them about the same.
Pre-requisite	Knowledge of Advanced Programming, Latest Technologies and Tools and Software Engineering.
Course Out come	After completion of this course, the student will be capable to start professional career and/or research work in the field of Information Technology.
Course Content	Entire semester is allocated for a 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 based on project presentation and/or demonstration and viva-voice examination. 30% assessment is based Project Presentation and/or demonstration and viva-voice examination at the end of semester.

Course : Seminar Presentation/Review of published research paper

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.