



MANONMANIAM SUNDARANAR UNIVERISTY,  
TIRUNELVELI-12

## SYLLABUS

### PG - COURSES – AFFILIATED COLLEGES

Course Structure for M. Sc. Computer Science

(Choice Based Credit System)

(with effect from the academic year 2023-2024 onwards )



Semester-IV				
Part	Subject Status	Subject Title	Subject Code	Credit
3	Core	PROJECT WORK AND VIVA-VOCE	VCSP41	16
3		EXTENSION ACTIVITY	VCSEA41	1



**Total Marks: 100 Internal Exam: 25 marks + External Exam: 75 marks**

**A. Scheme for internal Assessment:**

Maximum marks for written test: **15 marks**

**3 internal tests**, each of **1 hour** duration shall be conducted every semester.

To the average of the **best two** written examinations must be added the marks scored in. The **assignment** for 5 marks and Seminar for 5 marks

The break up for internal assessment shall be:

Written test- 15 marks; Assignment -5 marks; Seminar-5 Marks Total - 25 marks

**B. Scheme of External Examination**

**3 hrs.** examination at the end of the semester

A – Part : 1 mark question two - from each unit

B – Part : 5 marks question one - from each unit

C – Part : 8 marks question one - from each unit

➤ **Conversion of Marks into Grade Points and Letter Grades**

S.No.	Percentage of Marks	Letter Grade	Grade Point	Performance
1	90 - 100	O+	10	Outstanding
2	80 - 89	O	9	Excellent
3	70 - 79	A+	8	Very Good
4	60 - 69	A	7	Good
5	55 - 59	B+	6	Above Average
6	50 - 54	B	5	Pass
7	0 - 49	RA	-	ReAppear
8	Absent	AA	-	Absent

➤ **Cumulative Grade Point Average (CGPA)**

$$\text{CGPA} = \frac{\Sigma (\text{GP} \times \text{C})}{\Sigma \text{C}}$$

- **GP** = Grade point, **C** = Credit
- CGPA is calculated only for Part-III courses
- CGPA for a semester is awarded on cumulative basis

➤ **Classification**

- First Class with Distinction : CGPA  $\geq 7.5^*$
- First Class : CGPA  $\geq 6.0$
- Second Class : CGPA  $\geq 5.0$  and  $< 6.0$
- Third Class : CGPA  $< 5.0$



## MAJOR PROJECT

### Course Objectives:

The main objectives of this course are to:

- to enable the students to study Project development
- to undertake a unique project title
- to get a novel idea for the project
- to define the problem
- to design and implement using a n available software development tool /Programming
- Prepare a report

### Major Project Guidelines:

**Mode of Major Project:** Individual Project

**Nature of Major Project:** Every student must choose a unique project title (novel concept, idea, system, or a small research problem) approved by their guide and then design and implement it using available software development tools or programming languages.

**Guide:** Each Student shall be allotted under the Guidance of one Department faculty member by the Programme coordinator/Head

**Duration :** One semester - (30 hours per week) Major project students may also opt for company projects with prior permission from the Head of the Department/Principal

**Continuous Assessment:** Based on periodic reviews (Three reviews during the Semester. Tentative review dates are decided by the department and to be intimated to the students at the beginning of the fourth Semester)

### Evaluation criteria

Each student is evaluated by the Internal Examiner (Guide) continuously during the respective semester. External Examination will be conducted at the end of the respective semester.

**Passing Criteria:** Student shall secure a minimum of 50 % marks in the external evaluation and shall secure a minimum of 50 % marks in combined Internal and External evaluation. (There is no passing minimum for the internal evaluation)

Internal (50 Marks) (All the three reviews are mandatory)

External (50 Marks)

### Review I

(Problem identification, Title & Abstract submission, The novelty of the idea proposed outcomes, issues in existing methods, tools to be used) - 15 Marks

Both Internal and External Examiner Shall evaluate the student based on the following



criteria at the end of the semester: (Guide or any other department faculty decided by the HOD shall be internal examiner. External Examiner will be appointed by the COE

### **Review II**

System Design / Database Design / Methodology / Algorithms and Techniques/  
detailed Implementation plan- 15 Marks

Internal Examiner- Project Report- 20 Marks

### **Review III**

System Implementation status, Testing, outcomes and report writing - 20 Marks

External Examiner shall evaluate under the following criteria

- Presentation of the Project – 10 marks
- Demonstration of the working project – 10 marks
- Viva –voce – 10 marks

## **EXTENSION ACTIVITIES**

### **Course Objectives:**

The main objectives of this course are to:

- change the outlook of people or develop the individuals.
- Social and cultural - development of the community.
- connecting students, faculty
- institutions with communities, industries,
- to solve societal needs.

### **Outreach Activities**

1. Awareness of the Internet in Villages
2. Awareness of women's security app in the public
3. Teaching DTP Courses to school teachers.
4. Teaching computers to School Children
5. Awareness of using Mobile Phones for old age people
6. Motivational Videos on Literacy to the village students., etc and not limited to the above

### **Guidelines:**

1. Internal: 50marks External: 50 marks TOTAL 100 marks
2. Students should submit a report about their visit and activities individually.
3. External Examination will be conducted in the 4th semester as per the existing pattern for extension Activity
4. No Viva-Voce

