



MANNAR THIRUMALAI NAICKER COLLEGE(Autonomous)

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

(Accredited with “A” Grade by NAAC)

Pasumalai, Madurai -625004

DEPARTMENT OF COMPUTER APPLICATION

Programme	: PG	Part III	: Core
Semester	: III	Hours per week	: 05
Sub code	: 18PCSC31	Credit	: 04

SOFT COMPUTING

Course Outcomes

CO1: Familiarize with soft computing concepts

CO2: Knowing the concepts of Genetic algorithm and its applications to soft computing

CO3: Getting the ideas of Fuzzy logic and Neural networks

CO4: provides the skill about soft computing concepts

Programme	: PG	Part III	: Core
Semester	: III	Hours per week	: 05
Sub code	: 18PCSC32	Credit	: 04

ANALYSIS OF ALGORITHM

Course Outcomes

CO1: know the techniques for effective problem solving in computing

CO2: using different paradigms of problem solving

CO3: using the analysis of algorithm to show the efficiency of the algorithm

CO4: provides the skill about analysis of algorithm

Programme	: PG	Part III	: Core
Semester	: III	Hours per week	: 05
Sub code	: 18PCSCP5	Credit	: 03

DESIGN AND ANALYSIS OF ALGORITHMS - LAB

Course Outcomes

- CO1:** Develop working knowledge of algorithms.
- CO2:** To implement various problems using algorithms.
- CO3:** Ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- CO4:** provides the skill about analysis of algorithms

Programme	: PG	Part III	: Core
Semester	: III	Hours per week	: 05
Sub code	: 18PCSCP6	Credit	: 03

WEB PROGRAMMING LAB

Course Outcomes

- CO1:** Design and develop a Web site using text, images, links, lists, and tables for navigation and layout.
- CO2:** Learn how to use graphics in Web design.
- CO3:** Style your page using CSS, internal style sheets, and external style sheets.
- CO4:** To provide the skill about designing web sites and develop the employability in IT industry and provide entrepreneur skill
- CO5:** provides the skill about web programming and provides employability skill

Programme	: PG	Part III	: Elective
Semester	: III	Hours per week	: 04
Sub code	: 18PCSE31	Credit	: 04

BIG DATA ANALYTICS

Course Outcomes

- CO1:** Knowing the big data technologies used for storage, analysis and manipulation of data.
- CO2:** Recognize the key concepts of Hadoop framework, Map Reduce, Pig, Hive, and No-SQL.
- CO3:** Ability to understand and apply scaling up machine learning techniques and associated computing techniques and technologies.
- CO4:** provides the skill about big data analytics and provides employability skill

Programme	: PG	Part III	: Elective
Semester	: III	Hours per week	: 04
Sub code	: 18PCSE32	Credit	: 04

INFORMATION SECURITY

Course Outcomes

- CO1:** Know the fundamentals of information security.
- CO2:** Learn the basic principles of web application security.
- CO3:** Understand the authentication and encryption needs of an information system.
- CO4:** Evaluate a company's security policies and procedures and provides the skill about information security.

Programme	: PG	Part III	: Elective
Semester	: III	Hours per week	: 04
Sub code	: 18PCSE33	Credit	: 04

COMPUTATIONAL INTELLIGENCE

Course Outcomes

- CO 1:** Understand the fundamental concepts of computational intelligence.
- CO2:** Demonstrate awareness of the major challenges and risks facing computational intelligence and the complexity of typical problems within the field.
- CO 3:** Able to implement solutions to various problems in computational intelligence.
- CO4:** provides the skill about computational intelligence.

Programme	: PG	Part III	: Elective
Semester	: III	Hours per week	: 04
Sub code	: 18PCSE34	Credit	: 04

DATA MINING AND WAREHOUSING

Course Outcomes

- CO1:** Demonstrate an understanding of the importance of data mining and the principles of business intelligence
- CO2:** Organize and Prepare the data needed for data mining using pre preprocessing techniques
- CO3:** Perform exploratory analysis of the data to be used for mining.
- CO4:** Implement the appropriate data mining methods like classification, clustering or Frequent Pattern mining on large data sets, Define and apply metrics to measure the performance of various data mining algorithms.

Programme	: PG	Part IV	: NME
Semester	: III	Hours per week	: 06
Sub code	: 18PCSN31	Credit	: 04

MULTIMEDIA LAB

Course Outcomes

CO1: To familiarize with Photoshop tools.

CO2: To understand the animation techniques using Adobe Flash.

CO3: To understand the concept of text for heading or slide presentation using CorelDraw

CO4: provides employability skill in the designing field.

Programme	: PG	Part III	: Core
Semester	: IV	Hours per week	: 06
Sub code	: 18PCSC41	Credit	: 05

INTERNET OF THINGS

Course Outcomes

CO1: To assess the vision and Introduction of IoT.

CO2: To Understand IoT Market perspective.

CO3: To Implement Data and Knowledge Management and use of Devices in IoT Technology.

CO4: To Understand State of the Art - IoT Architecture.

CO5: To classify Real World IoT Design Constraints, Industrial Automation in IoT.

CO6: provides the skill about internet of things and provides employability skill

Programme	: PG	Part III	: Core
Semester	: IV	Hours per week	: 06
Sub code	: 18PCSCP7	Credit	: 04

PYTHON PROGRAMMING - LAB

Course Outcomes

CO1: Write- test- and debug simple Python programs.

CO2: Implement Python programs with conditionals and loops.

CO3: Develop Python programs step-wise by defining functions and calling them.

CO4: Use Python lists- tuples- dictionaries for representing compound data.

CO5: Develop python applications using Database.

CO5: Provides the employability skill

Programme	: PG	Part III	: Core
Semester	: IV	Hours per week	: 18
Sub code	: 18PCSPR1	Credit	: 15

PROJECT WORK AND VIVA-VOCE

Course Outcomes:

CO1: This course is to train the student in executing a project and preparing the report of work done.

CO2: The project work is to be carried for the entire semester and the report of work done is to be submitted to the college.