1. **WEB TECHNOLOGIES**

Outcomes:

- gain knowledge of client side scripting, validation of forms and AJAX programming have understanding of server side scripting with PHP language have understanding of what is XML and how to parse and use XML Data with Java .
- To introduce Server side programming with Java Servlets and JSP.
- Analyze a web page and identify its elements and attributes.
- Create web pages using XHTML and Cascading Styles sheets.
- Build dynamic web pages.
- Build web applications using PHP.
- Programming through PERL and Ruby
- write simple client-side scripts using AJAX

2. **COMPUTER FORENSIC**

Outcomes:

- Students will be understanding the usage of computers in forensic, and how to use various forensic tools for a wide variety of investigations.
- It gives an opportunity to students to continue their zeal in research in computer forensics.

3. **NETWORK SECURITY**

Course Outcomes:

- Student will be able to understand basic cryptographic algorithms, message and web authentication and security issues.

- Ability to identify information system requirements for both of them such as client and server.
- Ability to understand the current legal issues towards information security.

4. COMPUTER GRAPHICS

Course Outcomes:

- Students can animate scenes entertainment.
- Will be able work in computer aided design for content presentation.
- Better analogy data with pictorial representation

5. DATAWARE HOUSE & DATA MINING

OUTCOMES

- Students should be able to understand why the data warehouse in addition to database systems.
- Ability to perform the preprocessing of data and apply mining techniques on it.
- Ability to identify the association rules, classification and clusters in large data sets.
- Ability to solve real world problems in business and scientific information using data mining

6. EMBEDDED SYSTEM

Course Outcomes

Upon completion of this course, the student will be able to:

- Understand and design embedded systems.
- Learn basic of OS and RTOS
- Understand types of memory and inteacing to external world.

- Understand embedded firmware design approaches

EMBEDED SYSTEM AND DATAMINIG LAB

Es lab outcome:

PO1 **Engineering Knowledge :**
Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems

PO2 **Problem Analysis :**
Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences

PO3 **Design/Development of Solutions:**
Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations

PO4 **Conduct Investigations of Complex Problems:**
Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

PO5 **Modern Tool Usage**
Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations

Data mining Outcomes:

- Ability to understand the various kinds of tools.
- Demonstrate the classification , cluster and etc. in large data set

7. **WEB TECHNOLOGIES LAB**

Outcomes:

- The student should be able to:. Use LAMP Stack for web applications
- Use Tomcat Server for Servlets and JSPs
- Write simple applications with Technologies like HTML, Javascript,AJAX, PHP, Servlets and JSPs
- Connect to Database and get results
- . Parse XML files using Java (DOM and SAX parsers) All