

K.L.N COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY

Regulation-2017

Course Outcomes

Sl.No	Semester	Course	CODE
1	I SEM	HS8151-Communicative English	C101
2		MA8151- Engineering Mathematics I	C102
3		PH8151- Engineering Physics	C103
4		CY8151 - Engineering Chemistry	C104
5		GE8152- Problem Solving And Python Programming	C105
6		GE8152- Engineering Graphics	C106
7		GE 8161- Problem Solving And Python Programming Laboratory	C107
8		BS8161 -Physics And Chemistry Lab	C108

HS8151-COMMUNICATIVE ENGLISH – I (C101)	
C101.1	Listen and recognize main ideas from different discourses in different accents.
C101.2	Speak clearly, confidently, comprehensively, and communicate with one or many listeners using appropriate communicative strategies.
C101.3	Read different genres of text adopting various reading strategies
C101.4	Write cohesively and coherently by using a wide range of vocabulary and organize ideas logically on a topic without grammatical errors
C101.5	Determine the main and subordinate ideas, draw conclusions and summarize information from written material

MA8151- ENGINEERING MATHEMATICS I (C102)	
C102.1	Use both the limit definition and rules of differentiation to differentiate functions.
C102.2	Apply differentiation to solve maxima and minima problems.
C102.3	Evaluate integrals both by using Reimann sums and by using the fundamental theorem of calculus and Determine the convergence /divergence of improper integrals and evaluate convergent improper integrals. Evaluate integrals using techniques of integration, such as substitution, partial Fractions, integration by parts and improper integrals.
C102.4	Apply integration to compute multiple integrals, area, volume, integrals in polar coordinates, in addition to change of order and change of variables.
C102.5	Apply various techniques in solving differential equations.

PH8151- ENGINEERING PHYSICS (C103)	
C103.1	Demonstrate the properties of elasticity and measure the different moduli of elasticity.
C103.2	Examine the characteristics of waves, Laser and optical fiber
C103.3	Illustrate different modes of heat transfer through objects.
C103.4	Explain the black body radiation, properties of matter waves and schrodinger equations.
C103.5	Classify the bravais lattices and different types of crystal structures.

CY8151 - ENGINEERING CHEMISTRY (C104)	
C104.1	Explain the hardness of water, its types and estimation, boiler troubles and treatment of boiler feed water.
C104.2	Explain adsorption, types and theories of adsorption isotherm and its application in pollution abatement, theories of catalysis and applications
C104.3	Understand the basic concepts of phase rule and its application to one and two component systems, properties, significance and applications of alloys.
C104.4	Relate the significance of solid, liquid and gaseous fuels and to calculate the calorific value of fuels.
C104.5	Illustrate the methods of harvesting energy from non-conventional energy sources.

GE8152- PROBLEM SOLVING AND PYTHON PROGRAMMING(C105)	
C105.1	Develop algorithmic solutions to simple computational problems
C105.2	Demonstrate programs using simple Python statements and expressions.
C105.3	Explain control flow and functions concept in Python for solving problems.
C105.4	Use Python data structures – lists, tuples & dictionaries for representing compound data.
C105.5	Explain files, exception, modules and packages in Python for solving problems.

GE8152- ENGINEERING GRAPHICS(C106)	
C106.1	Familiarize the fundamentals and standards of engineering graphics
C106.2	Perform free hand sketching of basic construction and machine equipments.
C106.3	Project orthographic projection of lines and plane surfaces
C106.4	Draw the projection of solids and development of solid.
C106.5	Visualize and project isometric perspective section of solids and surfaces.

GE 8161- PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY(C107)	
C107.1	Develop solutions to simple computational problems using Python programs.
C107.2	Solve problems using conditionals and loops in Python.
C107.3	Develop Python programs by defining functions and calling them.
C107.4	Use Python lists, tuples and dictionaries for representing compound data.
C107.5	Develop Python programs using files.

BS8161 -PHYSICS AND CHEMISTRY LAB(C108)	
C108. 1	Determine and estimate the types of alkalinity & hardness of a given water sample. & evaluate moment of inertia of disc and rigidity modulus for thin wire using torsion pendulum.
C108. 2	Estimate the amount of copper content present in a given sample & Appraise Young's modulus of the beam by Non - Uniform bending method.
C108. 3	Determine the strength of an acid by using pH meter. & Measure the wavelength of laser, particle size and basic parameters of optical fiber using semiconductor diode laser.
C108. 4	Determine the strength of a pure acid and mixture of acids by using conductivity meter. & Examine the thermal conductivity of bad conductors using Lee's disc apparatus.
C108.5	Estimate the amount of iron content present in a given solution by means of potentiometric titration. & Determine the wavelength of the prominent spectral lines.

Sl.No	Semester	Course	CODE
1	II SEM	HS 8251-Technical English	C201
2		MA8251- Engineering Mathematics II	C202
3		PH8252- Physics for Information Science	C203
4		BE8255 - Basic Electrical, Electronics and Measurement Engineering	C204
5		IT8201- Information Technology Essentials	C205
6		CS8251- Programming in C	C206
7		GE82621-Engineering Practices Laboratory	C207
8		CS8261- C Programming Laboratory	C208
9		IT8211 -Information Technology Essentials Laboratory	C209

HS 8251-TECHNICAL ENGLISH(C201)	
C201.1	Read technical texts and write area- specific texts effortlessly
C201.2	Listen and comprehend lectures and talks in their area of specialization successfully
C201.3	Speak appropriately and effectively in varied formal and informal contexts
C201.4	Write reports and winning job applications.
C201.5	Use appropriate technologies to organize, present, and communicate information to address a range of audiences, purposes, genres

MA8251- ENGINEERING MATHEMATICS II(C202)	
C202.1	Calculate the eigenvalues and eigen vectors, diagonalization of a matrix, symmetric matrices, Positive definite matrices and similar matrices.
C202.2	Evaluate of line, surface and volume integrals using Gauss, Stokes and Green's theorems and their verification
C202.3	Determine Analytic functions, conformal mapping and Bilinear transformation .
C202.4	Evaluate of Cauchy's integrals, Taylor's and Laurent's and residue theorem for evaluation for real integrals using circular and semicircular, contour.
C202.5	Evaluate Laplace transform and inverse transform of simple functions, properties, various related theorems and application to differential equations with constant coefficients.

PH8252- PHYSICS FOR INFORMATION SCIENCE(C203)	
C203.1	Gain the knowledge on classical and quantum electron theories and energy band structure.
C203.2	Acquire knowledge on basics of semiconductor physics and its applications in various devices.
C203.3	Get knowledge on magnetic properties of materials.
C203.4	Have the necessary understanding on the functioning of optical materials for optoelectronics.
C203.5	Understand the basics of quantum structures application and carbon nanotubes.

BE8255 - BASIC ELECTRICAL, ELECTRONICS AND MEASUREMENT ENGINEERING(C204)	
C204.1	I am able to solve the basic dc and ac circuits and explain the operation of ammeter, voltmeter, and wattmeter and energy meter.
C204.2	I am able to describe the working of dc generators and motors and capable to clarify the application of single phase transformers and induction motors.
C204.3	I am capable to clarify the application of Wind power, solar power, fluorescent lamp and Li ion batteries
C204.4	I am competent to explain the working of basic electronic devices such as diode ,transistors, ADC and DAC
C204.5	I am able to describe the working of moving coil and moving iron and capable to clarify the application of LVDT and LDR.

IT8201- INFORMATION TECHNOLOGY ESSENTIALS(C205)	
C205.1	Understand the working of website and server
C205.2	Apply various PHP concepts to create application
C205.3	Understand the basic concepts of network protocols, components and its functionalities
C205.4	Understand the basic concepts of mobile computing and its architecture
C205.5	Integrate database with PHP to create interactive applications

CS8251- PROGRAMMING IN C(C206)	
C206.1	Develop simple applications in C using basic constructs
C206.2	Design and implement applications using arrays and strings
C206.3	Develop and implement applications in C using functions and pointers.
C206.4	Develop applications in C using structures.
C206.5	Design applications using sequential and random access file processing.

GE82621-ENGINEERING PRACTICES LABORATORY(C207)	
C207.1	I am able to do simple residential house wiring & I am able to fabricate carpentry components.
C207.2	I am able to measure earth resistance of an electrical equipment & I am able to mount pipe connections including plumbing works.
C207.3	I am able to measure ac signal parameter using CRO & I am able to use welding equipments to join the structures.
C207.4	Do you have experiences in developing logic circuits using basic Gates? & I am able to carry out the basic machining operations.
C207.5	I am able to determine the ripple factor of Half wave Rectifier and Full wave Rectifier & I am able to make the models using sheet metal works Illustrate on centrifugal pump, Air conditioner, operations of smithy, foundry and fittings.

CS8261- C PROGRAMMING LABORATORY(C208)	
C208.1	Develop simple applications in C using basic constructs
C208.2	Design and implement applications using arrays and strings
C208.3	Develop and implement applications in C using functions and pointers.
C208.4	Develop applications in C using structures.
C208.5	Design applications using sequential and random access file processing.

IT8211 -INFORMATION TECHNOLOGY ESSENTIALS LABORATORY(C209)	
C209.1	Design interactive websites using basic HTML tags, different styles, links and with all basic control elements
C209.2	Create client side and server side programs using scripts using PHP
C209.3	Design dynamic web sites and handle multimedia components
C209.4	Create applications with PHP connected to database and Personal Information System
C209.5	Implement the technologies behind computer networks and mobile communication

Sl.No	Semester	Course	CODE
1	III SEM	MA8351- Discrete Mathematics	C301
2		CS8351 - Digital Principles and System Design	C302
3		CS8391 - Data Structures	C303
4		CS8392 - Object Oriented Programming	C304
5		EC8394 -Analog And Digital Communication	C305
6		CS8381 - Data Structures Laboratory	C306
7		CS8383 - Object Oriented Programming Laboratory	C307
8		CS8382- Digital Systems Laboratory	C308
9		HS8381- Interpersonal Skills- Listening and Speaking	C309

MA8351/DISCRETE MATHEMATICS(301)	
C301.1	Have knowledge of the concepts needed to test the logic of a program
C301.2	Be aware of the counting principles.
C301.3	Have an understanding in identifying structures on many levels.
C301.4	Be exposed to concepts and properties of algebraic structures such as groups, rings and fields.
C301.5	Be aware of a class of functions which transform a finite set into another finite set which relates to input and output functions in computer science
CS8351 - DIGITAL PRINCIPLES AND SYSTEM DESIGN(C302)	
C302.1	Simply Boolean functions using K-Map
C302.2	Design & Analyze combinatorial & sequential circuit
C302.3	Design Analyze & write HDL code for synchronous sequential circuits
C302.4	Design Analyze & write HDL code for asynchronous sequential circuits
C302.5	Implement design using programmable logic devices
CS8391 - DATA STRUCTURES(C303)	
C303.1	Explain the fundamental data structures concepts and ADT
C303.2	Summarize the various linear data structure operations and applications
C303.3	Discuss about Tree operations and applications
C303.4	Discuss about Graphs operations and applications
C303.5	Demonstrate the sorting, searching and hashing techniques in data structures
CS8392 - OBJECT ORIENTED PROGRAMMING(C304)	
C304.1	Explain the concepts of Object Oriented Programming and the fundamentals of java programming
C304.2	Explain the principles of inheritance and interfaces

C304.3	Discuss the concept of exception handling mechanism and I/O streams
C304.4	Use the concept of multithreading and generics classes in Java
C304.5	Apply the AWT and Swing concepts to build GUI application
EC8394 -ANALOG AND DIGITAL COMMUNICATION(C305)	
C305.1	Apply analog communication techniques.
C305.2	Use data and pulse communication techniques.
C305.3	Apply digital communication techniques.
C305.4	Analyze Source and Error control coding.
C305.5	Utilize multi-user Radio communication.
CS8381 - DATA STRUCTURES LABORATORY(C306)	
C306.1	Compute Array implementation of stack, Queue and List ADTs using C program
C306.2	Demonstrate Linked list implementation of list, Stack and Queue ADTs
C306.3	Manipulate Binary trees, Binary search Trees and AVL tree and its operations
C306.4	Compute graph representation and Traversal algorithms
C306.5	Examine searching, sorting and hashing algorithms
CS8383 - OBJECT ORIENTED PROGRAMMING LABORATORY(C307)	
C307.1	To understand and apply the concepts of classes, Packages, interface & inheritance
C307.2	To develop java program for practicing exception handling of files
C307.3	To develop application using generic programming & event handling
C307.4	To built software development skills in java
C307.5	To develop a java program for real world application
CS8382- DIGITAL SYSTEMS LABORATORY(C308)	
C308.1	Apply Boolean simplification techniques to construct combinational logic circuits.
C308.2	Build combinational logic circuits to perform arithmetic operations.
C308.3	Implement combinational circuits using MSI devices.
C308.4	Construct Sequential circuits like registers and counters.
C308.5	Simulate combinational and sequential circuits using HDL.

Sl.No	Semester	Course	CODE
1	IV SEM	MA8391 - Probability and Statistics	C401
2		CS8491- Computer Architecture	C402
3		CS8492 – Database Management Systems	C403
4		CS8451 - Design and Analysis of Algorithms	C404
5		CS8493 – Operating Systems	C405
6		GE8291 – Environmental Science and Engineering	C406
7		CS8481- Database Management Systems Laboratory	C407
8		CS8461– Operating Systems Laboratory	C408
9		HS8461- Advanced Reading and Writing	C409

MA8391 /PROBABILITY AND STATISTICS (C401)	
C401.1	Identify the functions of discrete and continuous random variables, moments and moment generating function
C401.2	Solve problems in marginal conditional distribution, using the concepts of correlation, regressions and transformation of two dimensional random variables
C401.3	Apply the concept of testing of hypothesis for small and large samples in real life problems.
C401.4	Apply ANOVA test to design of experiments.
C401.5	Have the notion of sampling distributions and statistical techniques used in engineering and management problems.
CS8491- COMPUTER ARCHITECTURE(C402)	
C402.1	Discuss the basic components of computers, operations and instructions
C402.2	Outline the circuits required to perform operations in Arithmetic Logic Unit
C402.3	Describe the importance of basic data path, pipelined executions and hazards
C402.4	Identify parallel processing architectures with instruction level parallelism, multi core processing and graphics processing units
C402.5	Explain the performance of memory systems and input/output system
CS8492 – DATABASE MANAGEMENT SYSTEMS(403)	
C403.1	Classify the modern and futuristic database applications based on size and complexity
C403.2	Map ER model to Relational model to perform database design effectively

C403.3	Write queries using normalization criteria and optimize queries
C403.4	Compare and contrast various indexing strategies in different database systems
C403.5	Appraise how advanced databases differ from traditional databases.
CS8451 - DESIGN AND ANALYSIS OF ALGORITHMS(C404)	
C404.1	Understand different analysis techniques for various problems
C404.2	Understand different problems under divide and conquer methodology and brute force
C404.3	Under and analyze various problems under greedy algorithm and dynamic programming
C404.4	Understand and analyze the problem of iterative algorithms
C404.5	Analyzing the limitation of various algorithmic methodologies
CS8493 – OPERATING SYSTEMS(C405)	
C405.1	Explain the basic concepts and functions of Operating Systems.
C405.2	Explain various threading models, process synchronization and deadlocks.
C405.3	Analyze the performance of various CPU scheduling algorithms.
C405.4	Discuss various memory management schemes.
C405.5	Explain I/O management and file systems.
C405.6	Explain administrative tasks on Linux Servers and Distinguish iOS and Android OS.
CS8481- DATABASE MANAGEMENT SYSTEMS LABORATORY(C407)	
C407.1	Use typical data definitions and manipulation commands.
C407.2	Design applications to test Nested and Join Queries
C407.3	Implement simple applications that use Views
C407.4	Implement applications that require a Front-end Tool
C407.5	Critically analyze the use of Tables, Views, Functions and Procedures
CS8461– OPERATING SYSTEMS LABORATORY(408)	
C408.1	Examine various Unix commands and shell programming
C408.2	Point out the best CPU scheduling algorithm for a given problem instance
C408.3	Demonstrate Semaphores, Deadlock avoidance and detection Algorithms
C408.4	Operate on processes, Threads and implement IPC
C408.5	Examine various Memory Management and File Management techniques

Sl.No	Semester	Course	CODE
1	V SEM	MA8551-Algebra and Number Theory	C501
2		CS8591-Computer Networks	C502
3		EC8691-Microprocessors and Microcontrollers	C503
4		IT8501-Web Technology	C504
5		CS8494-Software Engineering	C505
6		Open Elective-I	C506
7		EC8681-Microprocessors and Microcontrollers Laboratory	C507
8		CS8581-Networks Laboratory	C508
9		IT8511-Web Technology Laboratory	C509

CS8591-COMPUTER NETWORKS(C502)	
C502.1	Understand the basic layers and its functions in computer networks and evaluate the performance of a network.
C502.2	Understand the basics of how data flows from one node to another
C502.3	Analyze and design routing algorithms.
C502.4	Design protocols for various functions in the network.
C502.5	Understand the working of various application layer protocols
EC8691-MOCROPROCESSORS AND MICROCONTROLLERS(C503)	
C503.1	Understand about the architecture of 8086 microprocessor and Demonstrate the programs on 8086 microprocessor
C503.2	Illustrate the Bus structure and communication of microprocessor
C503.3	Illustrate the design aspects of I/O and memory interfacing circuits
C503.4	Explain about the architecture of 8051 Microcontroller and Demonstrate the programs on 8051 Microcontroller
C503.5	Develop a simple 8051 microcontroller based systems
IT8501 / WEB TECHNOLOGY(C504)	
C504.1	Design Simple Web pages using markup languages like HTML and XHTML
C504.2	Create dynamic web pages using DHTML and java script that is easy to navigate ad use
C504.3	Program server side web pages that have to process request from the client side web pages
C504.4	Represent web data using XML and develop web pages using JSP
C504.5	Understand various web services and how these web services interact

CS8494 / Software Engineering (C505)	
C505.1	Identify the key activities in managing project and compare different process model
C505.2	To learn Concepts of requirements engineering and analysis modeling
C505.3	Apply systematic procedure for software design and deployment
C505.4	Compare and contrast the various testing and maintenance
C505.5	Manage project schedule, estimate project cost and effort required
EC8681-MICROPROCESSORS AND MICROCONTROLLERS LABORATORY(C507)	
C507.1	To Write ALP Programmes for fixed and Floating Point and Arithmetic operations
C507.2	To Interface different I/Os with processor
C507.3	To Generate waveforms using Microprocessors
C507.4	To Execute Programs in 8051
C507.5	To Explain the difference between simulator and Emulator
CS8581-NETWORKS LABORATORY(C508)	
C508.1	Implement various protocols using TCP and UDP.
C508.2	Compare the performance of different transport layer protocols.
C508.3	Use simulation tools to analyze the performance of various network protocols
C508.4	Analyze various routing algorithms.
C508.5	Implement error correction codes.
IT8511-WEB TECHNOLOGY LABORATORY(C509)	
C509.1	Design Web pages using HTML/DHTML and style sheets
C509.2	Develop user interfaces using Java frames and applets
C509.3	Design and Implement database applications
C509.4	Construct dynamic web pages using server side scripting.
C509.5	Experiment with Client Server applications.

Sl.No	Semester	Course	CODE
1	VI SEM	IT8601- Computational Intelligence	C601
2		CS8592- Object Oriented Analysis And Design	C602
3		IT8602- Mobile Communication	C603
4		CS8091- Big Data Analytics	C604
5		CS8092-Computer Graphics and Multimedia	C605
6		Professional Elective I	C606
7		CS8662 - Mobile Application Development Laboratory	C607
8		CS8582 - Object Oriented Analysis And Design Laboratory	C608
9		IT8611 - Mini Project	C609

IT8601- COMPUTATIONAL INTELLIGENCE(C601)	
C601.1	Identify problems that are amenable to solution by AI methods.
C601.2	Recognize appropriate AI methods to solve a given problem.
C601.3	Discuss a given problem in the language/framework of different AI methods.
C601.4	Develop basic AI algorithms.
C601.5	Model an empirical evaluation of different algorithms on a problem formalization, and state the conclusions that the evaluation supports.
CS 8592/Object Oriented Analysis and Design (602)	
C602.1	Express software design with UML diagrams
C602.2	Design software applications using OO concepts.
C602.3	Identify various scenarios based on software requirements
C602.4	Transform UML based software design into pattern based design using design patterns
C602.5	Understand the various testing methodologies for OO software
IT8602- MOBILE COMMUNICATION(C603)	
C603.1	Explain the basics of mobile telecommunication system
C603.2	Illustrate the generations of telecommunication systems in wireless network
C603.3	Understand the architecture of Wireless LAN technologies
C603.4	Determine the functionality of network layer and Identify a routing protocol for a

	given Ad hoc networks
C603.5	Explain the functionality of Transport and Application layer
CS8091- BIG DATA ANALYTICS(C604)	
C604.1	Work with big data tools and its analysis techniques.
C604.2	Analyze data by utilizing clustering and classification algorithms.
C604.3	Learn and apply different mining algorithms and recommendation systems for large volume of data.
C604.4	Perform analytics on data streams
C604.5	Learn NoSQL database and management
CS8092-COMPUTER GRAPHICS AND MULTIMEDIA(C605)	
C605.1	Apply Illumination and color models and apply clipping techniques to graphics.
C605.2	Design two dimensional graphics and apply two dimensional transformations.
C605.3	Design three dimensional graphics. Apply three dimensional transformations.
C605.4	Understood Different types of Multimedia File Format
C605.5	Understand the basic Hypermedia features and design Basic 3d Scenes using Blender
CS8662 - MOBILE APPLICATION DEVELOPMENT LABORATORY(C607)	
C607.1	Design a native application using GUI components and Layouts.
C607.2	Develop an application using Event listener functions and graphical primitives.
C607.3	Construct an application using databases and notification manager.
C607.4	Develop an application using RSS feed, Internal/External storage , SMS, multi threading, and location identification using GPS in an application
C607.5	Analyze and discover new applications in your own for simple needs.
CS 8582/Object Oriented Analysis and Design Lab (608)	
C608.1	Perform OO analysis and design for a given problem specification.
C608.2	Identify and map basic software requirements in UML mapping
C608.3	Improve the software quality using design patterns.
C608.4	To explain the rationale behind applying specific design patterns
C608.5	Test the compliance of the software with the SRS

Sl.No	Semester	Course	CODE
1	VII SEM	MG8591- Principles of Management	C701
2		CS8792- Cryptography and Network Security	C702
3		CS8791- Cloud Computing	C703
4		Open Elective-II	C704
5		Professional Elective-II	C705
6		Professional Elective-III	C706
7		IT8711- FOSS and Cloud Computing Laboratory	C707
8		IT8761- Security Laboratory	C708

CS8792- CRYPTOGRAPHY AND NETWORK SECURITY(C702)	
C702.1	Understand the fundamentals of networks security, security architecture, threats and vulnerabilities
C702.2	Apply the different cryptographic operations of symmetric cryptographic algorithms
C702.3	Apply the different cryptographic operations of public key cryptography
C702.4	Understand the various Authentication schemes to simulate different applications.
C702.5	Understand various Security practices and System security standards.
CS8791- CLOUD COMPUTING(C703)	
C703.1	Articulate the main concepts, key technologies, strengths and limitations of cloud computing
C703.2	Learn the key and enabling technologies that help in the development of cloud
C703.3	Develop the ability to understand and use the architecture of compute and storage cloud, service and delivery models
C703.4	Explain the core issues of cloud computing such as resource management and security and able to install , use current cloud technologies.
C703.5	Evaluate and choose the appropriate technologies, algorithms and approaches for implementation and use of cloud.
IT8711- FOSS AND CLOUD COMPUTING LABORATORY(C707)	
C707.1	Configure various virtualization tools such as Virtual Box, VMware workstation
C707.2	Design and deploy a web application in a PaaS environment.
C707.3	Learn how to simulate a cloud environment to implement new schedulers.
C707.4	Install and use a generic cloud environment that can be used as a private cloud
C707.5	Manipulate large data sets in a parallel environment

IT8761- SECURITY LABORATORY(C708)	
C708.1	Develop code for classical Encryption Techniques to solve the problems
C708.2	Build cryptosystems by applying symmetric and public key encryption algorithms
C708.3	Construct code for authentication algorithms
C708.4	Develop a signature scheme using Digital signature standard.
C708.5	Demonstrate the network security system using open source tools

Sl.No	Semester	Course	CODE
1	VIII SEM	Professional Elective IV	C801
2		Professional Elective IV	C802
3		IT8811- Project Work	C803

IT8811- PROJECT WORK(C803)	
C803.1	Identify the problem by applying acquired knowledge.
C803.2	Analyze and categorize executable project modules after considering risks.
C803.3	Choose efficient tools for designing project modules.
C803.4	Combine all the modules through effective team work after efficient testing.
C803.5	Elaborate the completed task and compile the project report.