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Sy.No:32, Himayathsagar, Golconda Post, Near TSPA Junction, Hyderabad-500 091
Ph: 6309012442/43, Fax: 040-6625 3642, Website: www.lords.ac.in, Email: principal@lords.ac.in

Department of Information Technology
B.Tech III Year II Semester

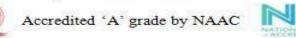**Course Outcomes: C601-Introduction to Embedded Systems**
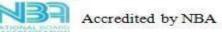
Student will able to

CO. No.	Description
C601.1	Understand the selection procedure of processors in the embedded domain.
C601.2	Design procedure of embedded firm ware.
C601.3	Expected to visualize the role of realtime operating systems in embedded systems.
C601.4	Evaluate the correlation between task synchronization and latency issues

Course Outcomes: C602-Principle of Compiler Construction

Student will able to

CO. No.	Description
C602.1	Ability to design, develop, and implement a compiler for any language.
C602.2	Able to use lex and yacc tools for developing a scanner and a parser.
C602.3	Able to design and implement LL and LR parsers.
C602.4	Able to design algorithms to perform code optimization inorder to improve the performance of a program in terms of space and time complexity.
C602.5	Ability to design algorithms to generate machine code

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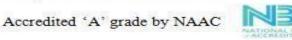**Course Outcomes: C603-Algorithm Design and Analysis**

Student will able to

CO. No.	Description
C603.1	Ability to analyze the algorithms performance.
C603.2	Evaluating the space & time complexities of algorithms.
C603.3	Ability to choose appropriate data structures for specific applications.
C603.4	Ability to choose algorithm design methods for specified applications.
C603.5	Ability to understand how the choice of data structures impact the performance of programs.
C603.6	Ability to understand how the choice of algorithm design methods impact the performance of programs.

Course Outcomes: C604-Internet of Things

Student will able to

CO. No.	Description
C604.1	Interpret the impact and challenges posed by IoT networks leading to new architectural models.
C604.2	Compare and contrast the deployment of smart objects and the technologies to connect them to network.
C604.3	Appraise the role of IoT protocols for efficient networkcommunication
C604.4	Elaborate the need for Data Analytics and Security in IoT.
C604.5	Illustrate different sensor technologies for sensing real world entities and identify the applications of IoT in Industry
C604.6	To apply the use of Python Scripting Language which is used in many IoT devices
C604.7	To introduce the Raspberry PI platform, that is widely used in IoT applications

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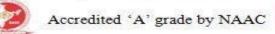**Course Outcomes: C614-Mobile Application Development**

Student will able to

CO. No.	Description
C614.1	Understands the working of Android OS Practically.
C614.2	Apply essential Android Programming concepts.
C614.3	Design and develop user Interfaces for the Android platform.
C614.4	Develop, deploy and maintain the Android Applications.
C614.5	Apply Java programming concepts to Android application development.

Course Outcomes: C605- Embedded Systems & Internet of Things Lab

Student will able to

CO. No.	Description
C601.1	Understand the selection procedure of processors in the embedded domain.
C601.2	Design procedure of embedded firm ware.
C601.3	Expected to visualize the role of realtime operating systems in embedded systems.
C601.4	Evaluate the correlation between task synchronization and latency issues

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Course Outcomes: C606- Compiler Construction Lab

Student will able to

CO. No.	Description
C606.1	Design and develop interactive and dynamic web applications using HTML, CSS, JavaScript and XML
C606.2	Apply client-server principles to develop scalable and enterprise web applications
C606.3	Ability to design, develop, and implement a compiler for any language.
C606.4	Able to use lex and yacc tools for developing a scanner and a parser.
C606.5	Able to design and implement LL and LR parsers.

Course Outcomes: C624: Mobile Application Development Lab

Student will able to

CO. No.	Description
C624.1	Apply essential Android Programming concepts.
C624.2	Develop various Android applications related to layouts & rich uses interactive interfaces
C624.3	Develop Android applications related to mobile related server-less database like SQLITE
C624.4	Utilize rapid prototyping techniques to design and develop sophisticated mobile interfaces.
C624.5	Program mobile applications for the Android operating systemthat use basic and advanced phone features

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B.E IV Semester
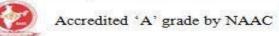
Course Outcomes: C204- Operation Research

Student will able to

CO. No.	Description
C204.1	Prepare the students to have the knowledge of Linear Programming Problem in Operations
C204.2	Research at the end students would be able to understand theconcept and develop the models for different applications.
C204.3	Make students understand the concept Replacement models atthe end students would able to explain various features and applications of replacement models in real time scenario.
C204.4	Prepare the students to understand theory of Game in operations research at the end students would able to explainapplication of Game theory in decision making for a conflict
C204.5	Prepare the students to have the knowledge of Sequencingmodel at the end student would able to develop optimum model for job scheduling.
C204.6	Prepare students to understand Queuing theory concepts and various optimization techniques at the end students wouldable to develop models for waiting line cases

Course Outcomes: C206: Biology for Engineers

Student will able to

CO. No.	Description
C206.1	Apply biological engineering principles, procedures needed to solve real-world problems.
C206.2	Understand the fundamentals of living things, their classification, cell structure and biochemical constituents.
C206.3	Apply the concept of plant, animal and microbial systems and growth in real life situations.
C206.4	Comprehend genetics and the immune system.
C206.5	Know the cause, symptoms, diagnosis and treatment of common diseases.
C206.6	Apply basic knowledge of the applications of biologicalsystems in relevant industries.

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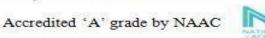
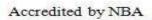**Course Outcomes: C215: Signal and Systems**

Student will able to

CO. No.	Description
C215.1	Able to Understand mathematical description andrepresentation of continuous and discrete time signals and systems.
C215.2	Able to derive Fourier series for continuous time signals and can find Fourier transform for different signals.
C215.3	Able to develop input output relationship for linear shift invariant system and understand the convolution operator forcontinuous and discrete time system
C215.4	Apply the Laplace transform and Z- transform for analyze ofcontinuous-time and discrete-time signals and systems.
C215.5	Able to Understand the process of sampling and the effects ofunder sampling.
C215.6	Able to obtain linear convolution and correlation of discrete time signals with graphical representation

Course Outcomes: C231: JAVA Programming

Student will able to

CO. No.	Description
C215.1	Achieve proficiency in object-oriented concepts and also learns to incorporate the same into the Java programming language.
C215.2	Create Java application programs using sound OOP practices e.g.Inheritance, interfaces and proper program structuring by using packages, access control specifiers.
C215.3	Understand and Implement the concepts of Exception Handling injava.
C215.4	Develop the ability to solve real-world problems through softwaredevelopment in high-level programming language using Large APIs of Java as well as the Java standard class library.
C215.5	Understand File, Streams, Input and Output Handling in java.
C215.6	Create graphical user interface and Applets in java as well asapply the knowledge of Event Handling.

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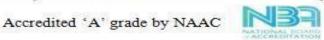
Course Outcomes: C232: Database Systems

Student will able to

CO. No.	Description
C47.1	Understand the fundamental concepts of database management and Designing a database using ER modeling approach.
C47.2	Implement storage of data, indexing, and hashing.
C47.3	Apply the knowledge about transaction management, concurrency control and recovery of database systems.
C47.4	Ability to design entity relationship model and convert entity relationship diagrams into RDBMS and formulate SQL queries on the data
C47.5	Describes Normalization for the development of applicationsoftware.

Course Outcomes: C233: Computer Organization and Microprocessor

Student will able to

CO. No.	Description
C233.1	To understand the architecture of modern computer, Bus structures.
C233.2	Analyse the Different memories and evaluate the mapping techniques.
C233.3	Discuss the architecture, the instruction set and addressing modes of 8085 processor
C233.4	Analyse Stacks, Subroutine, Interrupts of 8085, different PPI techniques, the uses of interfaces 8259, RS 232C, USART(8251), and DMA controller
C233.5	Design the applications of interfacing circuits 8254/8253timer, A/D and D/A converter, Keyboard/Display controller.

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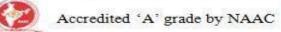**Course Outcomes: C234: Data Communications**

Student will able to

CO. No.	Description
C234.1	Demonstrate systematic understanding of Data Communication Techniques
C234.2	Apply various encoding schemes
C234.3	Understand Multiplexing techniques
C234.4	Get acquainted with the concept of virtual circuit network
C234.5	Understand various types of switching techniques
C234.6	Understand concept of wireless LANs

Course Outcomes: C261: Microprocessor Lab

Student will able to

CO. No.	Description
C261.1	Interpret the principles of Assembly Language Programming,instruction set in developing microprocessor based applications.
C261.2	Develop Applications such as: 8-bit Addition, Multiplication,Division, array operations, swapping, negative and positive numbers.
C261.3	Analyse the interfaces like serial ports, digital-to-analog Converters and analog-to-digital converters etc.
C261.4	Build interfaces of Input-output and other units like stepper motor with 8085.
C261.5	Analyse the function of traffic light controller.

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Course Outcomes: C262: JAVA Programming Lab

Student will able to

CO. No.	Description
C262.1	Develop Java applications using the concepts of Inheritance,interfaces, packages, access control specifiers.
C262.2	Implement the concepts of Exception Handling in javaApplications.
C262.3	Read and write data using different Java I/O streams.
C262.4	Create graphical user interfaces and Applets by applying theknowledge of Event Handling.
C262.5	Create robust applications using Java standard class libraries and retrieve data from a database with JDBC
C262.6	Ability to solve real-world problems by designing user friendlyGUI with befitting backend through the APIs of Java.

Course Outcomes: C263: Database Systems Lab

Student will able to

CO. No.	Description
C263.1	Design and implement a database schema for a given problem
C263.2	Develop the query statements with the help of structured query language
C263.3	Populate and query a database using SQL and PL/SQL
C263.4	Develop multi-user database application
C263.5	Design GUI using forms and implement database connectivity