Lingaya's Lalita Devi Institute of Management and Sciences

Department of Computer Application

Newsletter
September 2025
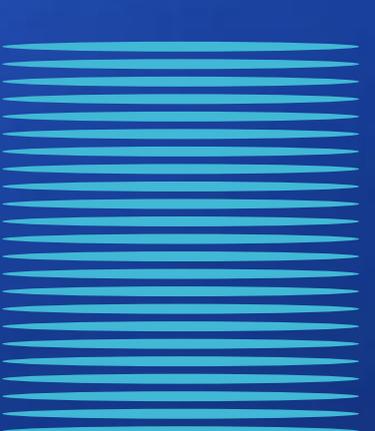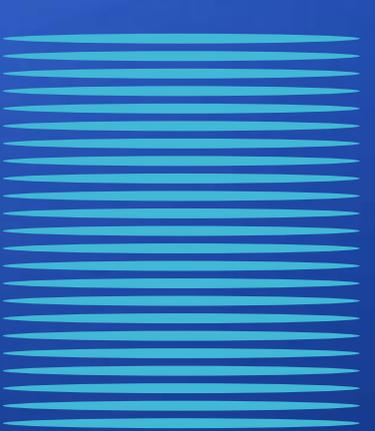
Praveen Bisht
BCA(AI)
5th Semester

Onam

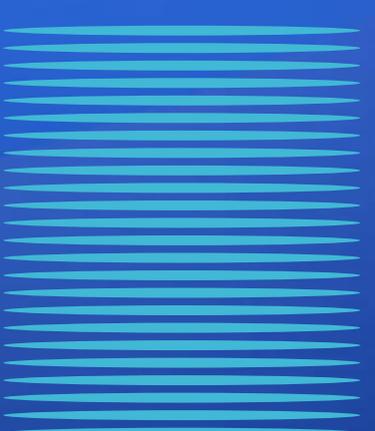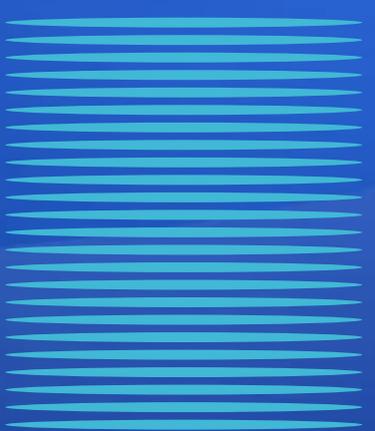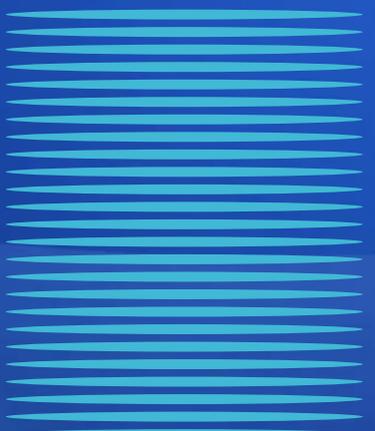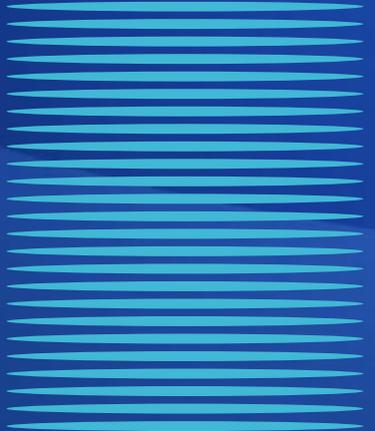Onam is the biggest and most vibrant festival of Kerala, celebrated on 5th September with great enthusiasm by Malayalis across the world. Falling in the month of Chingam (August–September) in the Malayalam calendar, Onam marks the homecoming of King Mahabali, a legendary ruler remembered for his generosity and justice. It is also a harvest festival, symbolizing prosperity, happiness, and cultural unity. The festival lasts for ten days, with **Thiruvonam** being the most significant day. Homes are decorated with **Pookkalam** (floral rangoli), traditional feasts called **Onam Sadya** are served on banana leaves, and people dress in traditional attire. Colorful cultural programs like **Vallam Kali** (snake boat races), **Pulikali** (tiger dances), and Kathakali performances showcase Kerala's rich heritage.

Onam is not only a religious celebration but also a cultural extravaganza that brings people of all communities together. Its message of harmony, gratitude, and joy continues to make it one of India's most beloved festivals.

Ashi Sharma
BCA(AI)
5th semester

Teacher's Day

Teachers' Day in India is celebrated every year on **September 5** to honor teachers and their invaluable contribution to society. The date marks the birth anniversary of **Dr. Sarvepalli Radhakrishnan** (1888–1975), a distinguished philosopher, scholar, and the second President of India. When Dr. Radhakrishnan's students requested to celebrate his birthday, he humbly suggested dedicating the day to teachers instead, emphasizing their pivotal role in shaping future generations.

On this day, students across the country express gratitude through cultural programs, speeches, and gifts, while schools and colleges organize special events to celebrate the bond between teachers and learners. Teachers' Day is not only a tribute to educators but also a reminder of the importance of knowledge, guidance, and mentorship in building a strong nation.

Neiyar Subhani
BCA
5th semester

Eid-e-Milad

Eid Milad-un-Nabi: Celebrating the Birth of Prophet Muhammad

Eid Milad-un-Nabi, also known as Mawlid al-Nabi, is an important Islamic festival commemorating the birth of **Prophet Muhammad (peace be upon him)**, the founder of Islam and the final messenger of Allah. It is observed in the third month of the Islamic lunar calendar, **Rabi' al-Awwal**. In 2025, Eid Milad-un-Nabi will be celebrated on **September 5**.

The festival is marked with prayers, Quran recitations, sermons on the life and teachings of the Prophet, and charitable acts. Mosques and homes are often decorated, and processions are taken out in many places to honor the Prophet's legacy of compassion, justice, and humility.

While traditions may vary across cultures, the central theme of Eid Milad-un-Nabi is to reflect on the Prophet's message of peace, brotherhood, and service to humanity. For many Muslims, it is a day of gratitude and spiritual renewal.

Priyanka Shashmal
BCA(AI)
5th semester

Hindi Diwas

Hindi Diwas: Celebrating the Language of Unity
Hindi Diwas is celebrated every year on **September 14** to honor Hindi as one of India's official languages. The day marks the adoption of Hindi, written in the **Devanagari script**, as the official language of the Union of India by the Constituent Assembly on **September 14, 1949**. This decision recognized Hindi's role as a unifying language in a country with immense linguistic diversity.

On Hindi Diwas, schools, colleges, and government institutions organize competitions, debates, and cultural events to promote the language. The day encourages people to take pride in Hindi's rich literary heritage and its role in connecting millions of Indians.

By celebrating Hindi Diwas, India highlights its commitment to preserving and promoting its linguistic traditions while embracing unity in diversity.

Pushpendra
BCA(AI)
5th semester

Vikram 32-bit processor

India's Vikram-32: A Milestone in Indigenous Semiconductor Innovation

India unveiled its first entirely **Made-in-India 32-bit microprocessor**, **Vikram 3201**, at **Semicon India 2025**—a landmark moment in the nation's march toward semiconductor self-reliance. The chip was presented to Prime Minister Narendra Modi by Electronics & IT Minister Ashwini Vaishnaw. **Design & Development**

Creators: Designed by **ISRO's Vikram Sarabhai Space Centre (VSSC)** and built at ISRO's **Semiconductor Laboratory (SCL)** in Chandigarh.

Fabrication: Utilizes a robust **180 nm CMOS process**, ideal for space-grade resilience Vikram 3201's first production batch was successfully validated aboard **PSLV-C60's POEM-4 Mission Management Computer**, confirming its readiness for deployment in aerospace missions.

Shravani
BCA(AI)
5th semester

Vishwakarma Jayanti

Vishwakarma Jayanti, also known as **Vishwakarma Puja**, is a Hindu festival dedicated to **Lord Vishwakarma**, the celestial architect and divine engineer of the universe. It is celebrated every year on **Kanya Sankranti**, which usually falls on **September 17**. Lord Vishwakarma is revered as the creator of celestial weapons, palaces, and chariots for the gods, and is considered the patron deity of craftsmen, engineers, architects, and industrial workers.

On this day, devotees, especially artisans, factory workers, and professionals in technical fields, worship their tools, machinery, and workplaces. Temples and workshops are decorated, and rituals are performed to seek blessings for skill, innovation, and prosperity. Vishwakarma Jayanti also symbolizes respect for labor and craftsmanship, acknowledging the importance of those who build and innovate.

This festival holds cultural significance in states like **Odisha, West Bengal, Uttar Pradesh, Bihar, Karnataka, and Assam**, and in industrial hubs across India.

Orientation

Orientation Day at **Lingaya's Lalita Devi Institute of Management & Sciences (LLDIMS)** is a special event organized at the start of every academic session to welcome new students to the institute. The program introduces students to the college's vision, mission, and core values, helping them transition smoothly into their chosen courses and campus life.

Independents day

Independence Day: Celebrating India's Freedom and Unity

Independence Day is celebrated every year on **August 15** to mark the historic day in **1947** when India gained freedom from British colonial rule after nearly two centuries of struggle. It is a national holiday and a proud occasion for every Indian, symbolizing the country's sovereignty, sacrifices, and unity.

On this day, the **Prime Minister of India hoists the national flag at the Red Fort in Delhi**, followed by a ceremonial **21-gun salute** and a patriotic address to the nation. Across the country, schools, offices, and communities organize flag hoisting ceremonies, parades, cultural programs, and patriotic performances.

Cyber security and Ethical hacking workshop

The **Lingaya's Lalita Devi Institute of Management & Sciences (LLDIMS)** recently organized a **Cyber Security and Ethical Hacking Workshop** to equip students with essential knowledge of digital safety and responsible hacking practices. The workshop aimed to raise awareness about growing cyber threats and provide practical insights into safeguarding personal and organizational data. Experts in the field introduced participants to **network security, data protection, malware analysis, phishing prevention, and encryption techniques**. Students also received hands-on training in **ethical hacking tools** to identify and fix security vulnerabilities, emphasizing the importance of using these skills for legal and ethical purposes.

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First-year students were appreciated by our Hon'ble Director Sir for their dedication and active participation

IBM skill build workshop
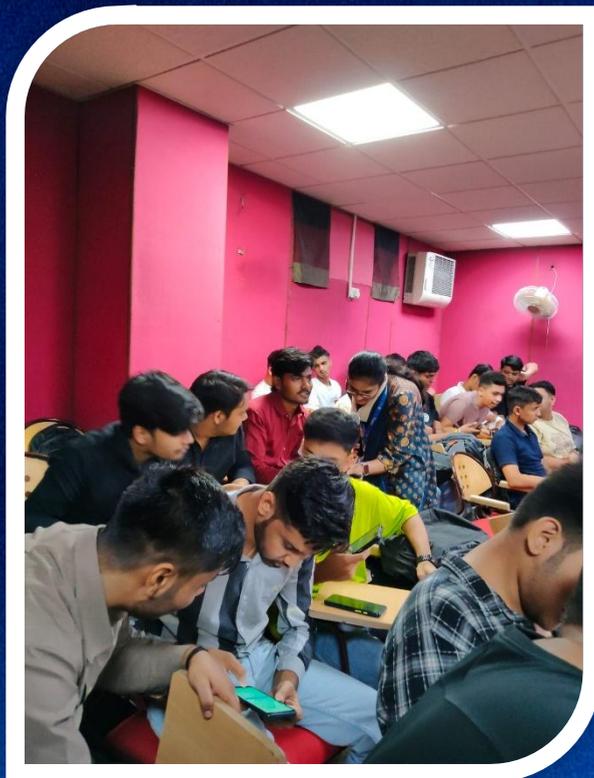
1st Semester Syllabus

Subject - Web Technologies
UNIT – I
World Wide Web: Introduction, Web page, Home page, Web site, Static and Dynamic website, Client Server computing concepts. Web Client and Web Server, Web Browser, Client Side and server side Scripting Languages. HTML Overview: Introduction to HTML, HTML Document structure tags, HTML comments, Text formatting, inserting special characters, anchor tag, adding images and Sound, lists types of lists, tables, frames and floating frames, Developing Forms, Image maps.

Subject- Mathematical Foundation For Computer Science
UNIT - I
PROBABILITY: Introduction, Axiomatic definition of Probability, Addition Theorem, Multiplication theorem, Conditional Probability, Bayes Theorem and its applications
PROBABILITY DISTRIBUTIONS: Random Variable, Probability Mass function, Probability density function, Mathematical Expectations of a Random Variable, Binomial Distribution, Poisson distribution, Normal Distribution.

Subject - Writing Skills
UNIT - I
Note Making, Notice, E-mail Writing. Writing Letters: Business letters, Persuasive letters- Sales letters and complaint letters
Office memorandum, Good news and bad news letters
Report Writing: Definition & importance; categories of reports, Elements of a formal report, style and formatting in report

Subject - Understanding India
UNIT - I
Introducing India : The People of India: demography and languages, The Name of our Country: Jambudvipa, Sindhu (Indus), Inde, Hind, Hindustan, BharatIndia
The idea of Bharatvarsha; Ancient Indian literature Sanskrit, Pali, Prakrit, Tamil Religions and philosophies of ancient India-Vedic, Buddhism, Jainism

Subject - Programming for Problem Solving Using C
UNIT - I
C basics: C character set, Identifiers and keywords, Data types, constants, symbolic constants, variable declarations, structure of basic C program, writing and executing the first C program, #include Preprocessor directive, expression statements, compound statements, operators: Arithmetic, Unary, Relational, logical, assignment, shorthand assignment, conditional and bitwise, comma operator.

Subject- fundamental of Information Technology
UNIT - I
Definition and Characteristics of Computer System. Computer Generation from First Generation to Fifth Generation. Classifications of Computers: Micro, Mini, Mainframe and super computers Computer Hardware: Major Components of a digital computer, Block Diagram of a computer, Input-output devices, Description of Computer Input Units

3rd Semester Syllabus

Subject - Python Programming
UNIT – I
Basic Introduction: Origin, Need of Python Programming, Features, program structure, identifiers, reserved words, escape sequences, IDLE-Python Interpreter
Python Programming Introduction: Relational Operators, Logical Operators, Bitwise Operators, Variables and assignment statements, Keywords. Control Structures: if-conditional statements, if –else condition, if-elif-else condition, nested if-elif-else condition, Iteration (Loop and while statements), Nested Loops, break.

Subject - Dynamic Web Designing
UNIT - I
Introduction to Web Applications, Client Side Scripting Vs Server Side Scripting, Web Servers: Local Servers and Remote Servers, Installation Process-WAMP, LAMP, XAMPP & MAMP Server, Static Website Vs Dynamic Website Development
Introduction to PHP: Data types, Variables, Super Global Variables, Constants, Comments, Operators and Expressions, Regular Expression, Advantages of PHP

Subject - Computer Organization and Architecture
UNIT - I
Boolean Algebra and Logic: Basics Laws of Boolean Algebra, Logic Gates, Simplifications of Boolean equations using K-maps SOP and POS, Don't Care condition.
Arithmetic Circuits: Adder, Subtractor, Parallel binary adder/Subtractor.
Combinational Circuits: Multiplexers, De-Multiplexers, Decoders, Encoders

Subject - Discrete Mathematics
UNIT - I
SETS: Sets, Subsets, Equal Sets, Universal Sets, Finite and Infinite Sets, Operations on Sets: Union, Intersection difference and Complements of Sets, Algebra of sets, Cartesian product, Simple applications.
RELATION AND FUNCTIONS: Properties of Relations, Equivalence Relation, Partial Order Relation, Composition of relations, and Representation of relations using digraph and Matrix

Subject – Principles of Management & Organizational Behaviour
UNIT - I
Management: Meaning & Concept of Management, Management Principles (Fayol & Taylor), Management Process (in brief), Managerial Levels; Skills, Roles and Functions of a Manager; Difference between a Manager, a Leader and an Administrator; SWOT Analysis in Management; Decision making: Concept & Process

Subject – Human Value and Ethics
UNIT -I
Introduction to Human Values: Understanding Value Education; Understanding Personal Values, Social Values, Moral Values, and Spiritual Values, Self-Exploration as the Process for Value Education; Right understanding- relationship and physical facilities; Understanding the thought-provoking issue- continuous happiness and prosperity.

5th Semester Syllabus

Subject - Operating System & Linux Programming
UNIT - I
Introduction: What is an Operating System, Functions of Operating System, Simple Batch Systems; Multi programmed Batch systems, Time-Sharing Systems, Personal-computer systems, Parallel systems, Distributed Systems, Real-Time Systems. Introduction to Linux: Architecture of Linux OS, Basic directory structure of Linux, Basic commands of Linux:

Subject - Computer Graphics
UNIT - I
Introduction: Introduction to computer graphics, Applications of Computer Graphics, Non Interactive and interactive graphics, Conceptual Framework for Interactive Graphics. Introduction to Raster and Random scan display, Characteristics of display devices, Aliasing and Antialiasing, Introduction to latest display technologies (LED, OLED, Curved LED display) Scan Conversion Scan Converting Lines using DDA & Bresenham's Algorithm, Scan Converting Circles using Bresenham's algorithm.

Subject : Cloud Computing
UNIT – I
Cloud Computing Overview –Services of Internet, Origins of Cloud computing – Cloud components – Essential characteristics – On-demand self-service, The vision of cloud computing – Characteristics, benefits, and Challenges ahead

Subject - Machine Learning with Python
UNIT – I
Introduction to Machine Learning, Why Machine learning, Types of Machine Learning Problems, Applications of Machine Learning. Supervised Machine Learning- Regression and Classification. Binary Classifier, Multiclass Classification, Multilabel Classification. Performance MeasuresConfusion Matrix, Accuracy, Precision & recall, ROC Curve. Advanced Python- NumPy, Pandas. Python Machine Learning Library Scikit-Learn, Linear Regression with one Variable, Linear Regression with Multiple Variables, Logistic Regression.

Subject : Web Security
UNIT – I
Components of Internet, Weak points of Internet, HTTP vs HTTPS, Overview of web authentication technologies, Web application architecture, Recent attack trends, Types of Web Security, Web infrastructure security/Web application firewalls, managing configurations for web apps, Techniques of Web Hacking, Methods of Attacking users, Importance of Web Application Security, Web Application Security vs Network Security. Social Media security - What is Online Social Networks, data collection from social networks

Subject - Web Development with Java & JSP
UNIT - I
Introduction to HTML, CSS and Java Script: Content, layout, and styling of web page J2EE and Web Development: Java Platform, J2EE Architecture Types, Types of Servers in J2EE Application, HTTP Protocols and API, Web Application Structure, Web Containers and Web Architecture Models. Swings: Introduction and comparison with AWT controls.

SEPTEMBER 2025

SUN	MON	TUE	WED	THU	FRI	SAT
31	1	2	3	4	5 Teacher's day Celebration	6
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14 Hindi Diwas	15	16	17	18	19 Industry Visit	20
21	22 Navratri	23	24	25	26 Poster Making Competition	27
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Mrs. Madhavi Jha

Newsletter Coordinator

Mr. Atul Sharma

HoD BCA program

Dr. PRANAV MISHRA

Director LLDIMS