Prahladrai Dalmia Lions College of Commerce & Economics (Government Aided & Affiliated to University of Mumbai & AICTE,New Delhi)
NAAC Re-accredited with 'A' Grade (III Cycle) ISO 21001:2018 Certified
University of Mumbai Recognised Research Centre in Accountancy,Commerce & Business Economics A Government Approved Hindi Linguistic Minority Institute
54 Years of Sterling Performance in Education

NOTICE FOR IKS in Computational Systems (IKS)
BSc. (Computer Science), Semester. V, October, 2026

As per the University of Mumbai guidelines under NEP 2020, all undergraduate students of Third Year are required to complete a **IKS in Computational Systems (IKS)** in Semester V. The project aims to integrate classroom learning with real-world socio-economic exposure.

Instructions:

1. **Report Format:**
   The Field Project Report must be:
   - Typed on **A4 size**, Times New Roman, font size 12, 1.5 spacing on executive bond paper.
   - Minimum **20 pages** (Approximately minimum of 4000 to 5000 words).
   - Spiral bound
   - **Submitted separately by each student of the group**

2. **Structure:**
   1. Title Page (Report title, student name, roll no., program, guide name, submission month and year)
   2. Certificate by the Institute and Mentor (format attached herewith)
   3. Abstract: A brief summary of the PROJECT, main conclusions (200–300 words)
   4. Table of Contents: Include headings and subheadings with page numbers
   5. Chapters:
      1. Title: "IKS Concept as CS Concept"
      2. Problem Statement
      3. Conceptual Mapping Table
      4. Algorithm Specification (Pseudo-code)
      5. Working Code
      6. Minimum 10 Test Cases
      7. Complexity & Limitations
      8. Conclusion

SUGGESTIVE LIST OF PROJECT TOPICS IS ATTACHED ALONG WITH THE NOTICE.

Students must adhere strictly to the above instructions. Non-compliance may lead to rejection of the report.

3. **Evaluation:**
   - **Internal (20 marks):** Attendance, Overall Projects

Report submission date: Saturday 23rd September, 2026

Dr. Sneha Hathi	**Ms. Subhashini Naikar**	**Prof.(Dr). D.N.Ganjewar**
Co ordinator – BSc. CS	**(Vice-Principal, SFC)**	**Principal**

IKS in Computational Systems (IKS) of AY 2026-27
TY BSc (Computer Science)
Semester V

SR NO.	ROLL NO.	NAME OF THE STUDENT	LIST OF THE TOPICS
1	301	Chaudhari Md Kaif Hakikulla	Piṅgala's Chandaḥśāstra as a Binary Pattern Generation System
2	302	Dwivedi Saurav Nagendra	Binary Encoding Techniques Based on Piṅgala's Chandaḥśāstra
3	303	Gupta Sapna Dinesh	Pāṇini's Aṣṭādhyāyī as a Rule-Based Language Processing System
4	304	Jaiswal Astha Narayankumar	Pāṇinian Grammar for Automatic Sanskrit Word Formation
5	305	Jaiswal Shweta Ramesh	Nyāya Logic as a Knowledge-Based Inference Engine
6	306	Jalvi Mayuri Krishna	Five-Step Nyāya Reasoning for AI Decision Making
7	307	Mane Vinayak Gangaram	Ayurvedic Doṣa (दोष) Classification as an Expert System
8	308	Mishra Harshit Amit	Rule-Based Medical Advisory System Inspired by Ayurveda
9	309	Pal Shivam Omprakash	Cryptographic Techniques Inspired by Kauṭilya's Arthaśāstra
10	310	Prajapati Govind Ramesh	Classical Indian Secret Communication Methods as Symmetric Encryption Models
11	311	Prajapati Ravi Sunil	Meru-Prastāra and Pascal's Triangle for Dynamic Programming Applications
12	312	Satpute Krishna Ashok	Meru-Prastāra as a Combinatorial Computation Model
13	313	Shaikh Shabi Ayyub	Nyāya Padārtha Ontology for Knowledge Representation
14	314	Tamboli Mobin Rajjak	Ontology Design Based on Nyāya Categories
15	315	Upadhyay Saloni Narendra	Śāstra Rule Hierarchy as a Deterministic Rule Processing System
16	316	Verma Mishbu Mahendra	Priority-Based Rule Evaluation Inspired by Śāstric Traditions
17	317	Vhanne Maitri Mangesh	Vedic Number System for Fast Arithmetic Algorithms
18	318	Yadav Amit Bhual	Kaṭapayādi Numeration System for Text-to-Number Encoding
19	319	Yadav Anuj Avadhesh	Indian Philosophical Logic as a Rule-Based Artificial Intelligence Model
20	320	Yadav Nikita Surendra	Indian Calendar (Pañcāṅga) Computation as an Algorithmic Scheduling System
21	321	Vyas Mukti Santosh	Sanskrit Sandhi Rules as a String Rewriting System
22	322	Kushwaha Shivam Sadanand	Mīmāṃsā Interpretative Rules as a Knowledge-Based Decision System

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