



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

**CHANGU KANA THAKUR**

**ARTS, COMMERCE AND SCIENCE COLLEGE, NEW PANVEL  
(AUTONOMOUS)**

Re-accredited 'A+' Grade by NAAC (3<sup>rd</sup> Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai

## Department of Computer Science

### UNDER GRADUATE PROGRAMMES OFFERED ACADEMIC YEAR 2024-25

#### ✓ F.Y.B.Sc.

SEMESTER	COURSE	COURSE CODE	NAME OF THE COURSE
I	Major-I	UCS1COD	Computer Organization Design and Architecture
	Major-I practical	UCS1PCOD	Practical of UCS1COD
	Major-II	UCS1PP1	Programming with Python - I
	Major-II practical	UCS1PPP1	Practical of UCS1COD
	Major-III	UCS1STM	Statistics for Data Science
	Major-III practical	UCS1PSTM	Practical of UCS1STM
	IKS	UCS1IKS	Indian Knowledge System
	SEC	UCS1WEB	Web Designing
II	Major-I	UCS2RDS	Relational Database System
	Major-I practical	UCS2PRDS	Practical of UCS2RDS
	Major-II	UCS2PP2	Programming with Python - II
	Major-II practical	UCS2PPP2	Practical of UCS2PP2
	Major-III	UCS2LAL	Linear Algebra
	Major-III practical	UCS2PLAL	Practical of UCS2LAL
	OE	UCS2OE1	Python for Business
	SEC	UCS2PHP	PHP Programming



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✓ **S.Y.B.Sc.**

✓

SEMESTER	COURSE	COURSE CODE	NAME OF THE COURSE
III	Major-I	UCS3DAA	Design and Analysis of Algorithm
	Major-II	UCS3JAD	Java Based Application Development
	Major-I + II practical	UCS3PR1	Practical of Design and Analysis of Algorithm + Practical of Object Oriented Programming with Java
	Minor	UCS3IDS	Introduction to Data Science
	VSC	UCS3IOT	Internet of Things
	OJT	UCS3OJT	Field Project (Major)
IV	Major-I	UCS4OPL	Operating System with Linux
	Major-II	UCS4DCN	Data Communication and Networking
	Major-I + II practical	UCS4PR1	Practical of Operating System with Linux + Data Communication and Networking
	Minor	UCS4ADS	Advanced Data Science
	VSC	UCS4AND	Android Application Development
	OJT	UCS4CEP	Community Engagement Project



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✓ T.Y.B.Sc.

SEMESTER	COURSE	COURSE CODE	NAME OF THE COURSE
V	Elective 1	UCS5AIN	Artificial Intelligence
	Elective 1	UCS5SQA	Software Testing And Quality Assurance
	Elective 2	UCS5INS	Information And Network Security
	Elective 2	UCS5WEB	Web Services
	Skill Enhancement	UCS5GPG	Game Programming
	Practical	UCS5PR1	Practical of Elective-I
	Practical	UCS5PR2	Practical of Elective-Ii
	Project	UCS5PRJ	Project Implementation
	Practical	UCS5PR3	Practical of Skill Enhancement: UCS5GPG
VI	Elective 1	UCS6CLC	Cloud Computing
	Elective 1	UCS6CFR	Cyber Forensics
	Elective 2	UCS6INR	Information Retrieval
	Elective 2	UCS6DSC	Data Science
	Skill Enhancement	UCS6ETH	Ethical Hacking
	Practical	UCS6PR1	Practical of Elective-I
	Practical	UCS6PR2	Practical of Elective-Ii
	Project	UCS6PRJ	Project Implementation
	Practical	UCS6PR3	Practical of Skill Enhancement: UCS6ETH