|| 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 (3rd Cycle - CGPA 3.61)
'College with Potential for Excellence' Status Awarded by UGC
'Best College Award' by University of Mumbai

Department of Computer Science

POST GRADUATE PROGRAMMES OFFERED
ACADEMIC YEAR 2024-25

✓ **M.Sc. I Computer Science**

SEMESTER	COURSE	COURSE CODE	NAME OF THE COURSE
I	DSC	PCS1ARC	Analysis of Algorithms
	DSC	PCS1ROB	Robotics
	DSC	PCS1WSN	Wireless Sensor Network
	Practical 1	PCS1PPR1	Practical of PCS1ARC+ PCS1ROB
	Minor	PCS1REM	Research Methodology
	DSE	PCS1ADM	Advance Database Management System
		PCS1MIN	Machine Intelligence
	Practical 2	PCS1PPR2	Practical of PCS1WSN+ Elective
II	DSC	PCS2CLC	Cloud Computing
	DSC	PCS2NLP	Natural Language Processing
	DSC	PCS2CRC	Cryptography and Cryptanalysis
	Practical 1	PCS2PPR1	Practical of PCS2CLC+ PCS2NLP
	OJT	PCS2OJT	On Job Training
	DSE	PCS2BID	Business Intelligence and Big Data Analytics
	Practical 2	PCS2PPR2	Practical of PCS2CRC+ Elective

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✓ **M.Sc. II Computer Science**

SEMESTER	COURSE	COURSE CODE	NAME OF THE COURSE
III	DSC	PCS3SCG	Soft Computing
	DSC	PCS3BAT	Big Data Analytics: Tools and Frameworks
	DSC	PCS3W3T	Web3 Technologies
	Practical 1	PCS3PR1	Practical of Soft Computing + Big Data Analytics: Tools and Frameworks
	Minor	PCS3PRJ	Research Project
	DSE	PCS3DVN	Data Visualization
	Practical 2	PCS3PR2	Practical of PCS3W3T + Elective
IV	DSC	PCS4DPL	Deep Learning
	DSC	PCS4NST	NoSQL Technologies
	DSC	PCS4OTQ	Optimization Techniques
	Minor	PCS4PRJ	Research Project
	DSE	PCS4SAM	Simulation and Modelling
	Practical	PCS4PR1	Practical of all DSC and Elective Paper

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M.Sc. I Data Analytics

SEMESTER	COURSE	COURSE CODE	NAME OF THE COURSE
I	DSC	PDA1SMP	Statistical Methods and probability distribution
	DSC	PDA1PYI	Python Programming I
	Practical 1	PDA1PPR1	Practical of PDA1SMP + PDA1PY1
	DSC	PDA1BDA	Business Intelligence and Big Data Analytics
	Minor	PDA1RME	Research Methodology
	DSE	PDA1AME	Advanced Microsoft Excel
	Practical 2	PDA1PPR2	Practical of PDA1BDA + Elective
II	DSC	PDA2ASM	Advanced Statistical Methods and Testing of Hypothesis
	DSC	PDA2PY2	Python Programming II
	DSC	PDA2DSC	Data Science
	Practical 1	PDA2PPR1	Practical of PDA2SMT + PDA2PY2
	OJT		On Job Training
	DSE	PDA2TMG	Text Mining
	Practical 2	PDA2PPR2	Practical of PDA2DSC+ Elective

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M.Sc. II Data Analytics

SEMESTER	COURSE	COURSE CODE	NAME OF THE COURSE
III	DSC	PDA3SCG	Soft Computing
	DSC	PDA3DVM	Data Visualization and Modelling
	DSC	PDA3BAT	Big Data Analytics: Tools and Framework
	DSC	PDA3PR1	Practical Soft Computing + Data Visualization
	Minor	PDA3PRJ	Research Project
	DSE	PDA3WDA	Web Data Analytics
	Practical 2	PDA3PR2	Practical of PDA3BAT + Elective
IV	DSC	PDA4NLP	Natural Language Processing
	DSC	PDA4DPL	Deep Learning
	DSC	PDA4PMA	Predictive Modelling and Analytics
	Minor	PCS4PRJ	Research Project
	DSE	PDA4SNA	Social Network Analysis
	Practical	PDA4PR1	Practical of DSC + Elective