॥ 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

Programmes Offered
Department of Information Technology

F.Y. BSc I.T.

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
A	*Discipline Specific Course (Major)*		**A**	*Discipline Specific Course (Major)*	
1	Introduction to C++ Programming	03+01	1	Fundamentals of Python Programming	03+01
2	Computer Organization & Design	03+01	2	Database Management System	03+01
3	Statistical Methods	03+1	3	Linear Algebra	03+01
B	*Skill Enhancement Course (SEC)*		**B**	*Skill Enhancement Course (SEC)*	
4	Introduction to Web Designing	02	4	Advanced Web Programming	02
C	*Open Elective (OE)*		**C**	*Open Elective (OE)*	
5	-		5	Introduction to Multimedia	02
D	*Value Education Course VEC (Any One)*		**D**	*Value Education Course VEC (Any One)*	
6	Digital Technology and Solutions	02	6	Digital Technology and Solutions	02
7	Understanding India	02	7	Understanding India	02
8	Environmental Studies	02	8	Environmental Studies	02
E	*Ability Enhancement Course (AEC) (Any One)*		**E**	*Ability Enhancement Course (AEC) (Any One)*	
9	Marathi	02	9	Marathi	02
10	Hindi	02	10	Hindi	02
F	*Indian Knowledge System*		**F**	-	-
11	*******************	02	11	-	-
G	*Co-curricular Courses (Any One)*		**G**	*Co-curricular Course (Any One)*	
12	Foundation Course in NSS-I	02	12	Foundation Course in NSS-II	02
13	Foundation Course in NCC-I	02	13	Foundation Course in NCC-II	02
14	Foundation Course in PE-I	02	14	Foundation Course in PE-II	02
15	Foundation Course in PA-I	02	15	Foundation Course in PA-II	02
	Total Credits	**22**		**Total Credits**	**22**

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S.Y.BSc I.T.

No. of Courses	Semester III	Credits	No. of Courses	Semester IV	Credits
A	*Discipline Specific Course (Major)*		**A**	*Discipline Specific Course (Major)*	
1	Advanced Python Programming	03+01	1	Core Java	03+01
2	Advanced Database Management System and Big Data	03+01	2	Operating System	03+01
B	*Minor*		**B**	*Minor*	
3	Computer Network	02+02	3	Data Structure	02+02
C	*Vocational Skill Course (VSC)*		**C**	*Skill Enhancement Course (SEC)*	
4	Software Engineering	02	4	Mobile Application Development	02
D	*Open Elective (OE)*		**D**	*Open Elective (OE)*	
5	Introduction to Mobile App Development	02	5	Introduction to AI tools with MS Office Suite	02
E	*Ability Enhancement Course (AEC)*		**E**	*Ability Enhancement Course (AEC)*	
6	English	02	6	English	02
F	*Co-curricular Courses (Any One)*		**F**	*Co-curricular Course (Any One)*	
7	Foundation Course in NSS-I	02	8	Foundation Course in NSS-II	02
8	Foundation Course in NCC-I	02	9	Foundation Course in NCC-II	02
9	Foundation Course in PE-I	02	10	Foundation Course in PE-II	02
11	Foundation Course in PA-I	02	11	Foundation Course in PA-II	02
G	*OJT/FP/CEP/RP*		**G**	*OJT/FP/CEP/RP*	
12	*Field Project (Major)*	02	12	Community Engagement Project	02
	Total Credits	22		Total Credits	22

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T. Y. BSc I.T.

No. of Courses	Semester V	Credits	No. of Courses	Semester VI	Credits
A	**Discipline Specific Course**		**A**	**Discipline Specific Course**	
1	Linux System Administration	02+02	1	Principles of Geographic Information Systems	02+02
2	Enterprise Java	02+02	2	IT Service Management	02+02
B	**Skill Enhancement Course**		*B*	**Skill Enhancement Course**	
3	Software Project Management	02+02	3	Software Quality Assurance	02+02
4	Internet of Things	02+02	4	Security in Computing	02+02
5	Advanced Web Programming	02+02	5	Business Intelligence	02+02
C	**Two Credit Course**		*C*	**Two Credit Course**	
6	Ethical Hacking	02	6	Introduction to Artificial Intelligence	02
	Total Credits	22		Total Credits	22