



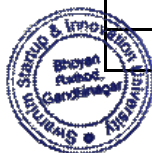
SWARNIM SCHOOL OF MANAGEMENT, COMMERCE AND LIBERAL ARTS

PROGRAM NAME: BBA

ACADEMIC YEAR 2023-24

CO-PO MAPPING OF BBA 1ST TO 3RD YEAR

Course Name : BBA	Principles of Management (BBA230101) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	2	3	3	1	3	1	2	3	2.3
CO2	3	3	3	3	3	2	3	2	2	3	2.7
CO3	2	3	3	2	2	3	3	1	2	2	2.3
CO4	3	2	2	3	3	2	3	1	2	3	2.4
CO5	3	2	3	3	3	3	3	2	2	3	2.7
Average	2.8	2.4	2.6	2.8	2.8	2.2	3	1.4	2	2.8	2.48
Course Name : BBA	Financial Accounting (BBA230102) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	2	2	1	2	1	1	1	1	1	1.3
CO2	1	1	1	1	1	1	1	1	1	1	1
CO3	1	2	1	1	1	1	1	1	1	1	1.1
CO4	1	2	1	1	1	1	1	1	1	1	1.1
CO5	1	2	2	1	1	1	1	1	1	1	1.2
Average	1	1.8	1.4	1	1.2	1	1	1	1	1	1.14
Course Name : BBA	Marketing Management (BBA230103) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	2	1	1	2	2	2	1	2	1	1.5
CO2	1	1	2	1	2	2	1	1	2	1	1.4
CO3	1	1	1	1	2	2	1	1	2	1	1.3
CO4	1	1	1	2	2	1	2	2	2	1	1.5
CO5	1	2	1	1	1	1	2	1	1	1	1.2
Average	1	1.4	1.2	1.2	1.8	1.6	1.6	1.2	1.8	1	1.38





Course Name : BBA	Indian Economy & Business Model (IKS230101) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	1	1	1	2	2	1	1	1	1	1.2
CO2	1	1	1	1	2	2	2	1	1	1	1.3
CO3	1	1	1	1	2	2	1	1	2	2	1.4
Average	1	1	1	1	2	2	1.333	1	1.333	1.333	1.3

Course Name : BBA	Communication Skills (AEC230101) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	1	1	1	1	1	1	1	2	1	1.1
CO2	2	1	2	2	1	1	2	2	2	1	1.6
CO3	1	2	1	2	1	2	1	1	1	2	1.4
CO4	1	1	1	1	2	1	2	1	2	2	1.4
Average	1.25	1.25	1.25	1.5	1.25	1.25	1.5	1.25	1.75	1.5	1.375

Course Name : BBA	Office Automation (BBA230104) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	2	2	2	1	2	2	2	2	1	1	1.7
CO2	2	2	2	2	2	2	2	2	1	1	1.8
CO3	2	2	2	2	2	2	1	2	2	2	1.9
CO4	2	2	1	2	2	2	2	2	2	2	1.9
CO5	1	1	1	2	1	2	2	2	2	2	1.6
Average	1.8	1.8	1.6	1.8	1.8	2	1.8	2	1.6	1.6	1.78

Course Name : BBA	Foundation Of Entrepreneurship (SEC230101) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	1	1	1	2	2	2	1	1	1	1.3
CO2	2	2	1	1	1	1	1	1	1	2	1.3
CO3	1	1	2	2	2	2	2	1	2	2	1.7
CO4	1	1	2	1	1	2	1	2	2	1	1.4
Average	1.25	1.25	1.5	1.25	1.5	1.75	1.5	1.25	1.5	1.5	1.425

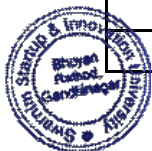




Course Name : BBA	Organisational Behaviour (BBA230201) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	2	2	1	2	2	1	1	1	1	1.4
CO2	1	2	2	1	2	2	1	1	1	1	1.4
CO3	1	2	1	2	1	2	2	1	2	2	1.6
CO4	2	1	1	1	2	1	2	1	1	2	1.4
CO5	2	2	2	1	1	2	2	1	2	2	1.7
CO6	1	1	2	2	1	2	1	1	2	2	1.5
Average	1.4	1.8	1.6	1.2	1.6	1.8	1.6	1	1.4	1.6	1.5

Course Name : BBA	Fundamentals of Economics (BBA230202) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	2	2	1	2	2	1	1	1	1	1.4
CO2	1	2	2	1	2	2	1	1	1	1	1.4
CO3	1	2	1	2	1	2	2	1	2	2	1.6
CO4	2	1	1	1	2	1	2	1	1	2	1.4
CO5	2	2	2	1	1	2	2	1	2	2	1.7
CO6	1	1	2	2	1	2	1	1	2	2	1.7
Average	1.4	1.8	1.6	1.2	1.6	1.8	1.6	1	1.4	1.6	1.5

Course Name : BBA	Financial Management (BBA230203) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	1	2	1	1	1	1	1	1	2	1.2
CO2	1	2	2	1	1	1	1	1	1	2	1.3
CO3	1	1	1	1	2	1	1	1	1	1	1.1
CO4	1	1	1	1	1	1	1	1	1	1	1
CO5	1	1	1	1	1	1	1	1	1	1	1
Average	1	1.2	1.4	1	1.2	1	1	1	1	1.4	1.12



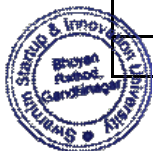


Course Name : BBA	Foundation in Statistical Method (BBA230204) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	2	1	2	1	2	1	2	1	2	1	1.5
CO2	1	2	2	2	2	2	1	1	1	2	1.6
CO3	1	1	1	2	2	2	1	1	2	2	1.5
CO4	1	1	1	2	2	1	2	1	2	2	1.5
CO5	1	2	2	1	2	2	1	2	1	2	1.6
Average	1.2	1.4	1.6	1.6	2	1.6	1.4	1.2	1.6	1.8	1.57

Course Name : BBA	Logical and Critical Thinking (AEC230202) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	1	1	1	2	2	2	2	1	1	1.4
CO2	1	1	1	1	1	2	2	1	2	1	1.3
CO3	1	1	1	1	1	2	2	2	1	1	1.3
Average	1	1	1	1	1.333	2	2	1.667	1.333	1	1.333333333

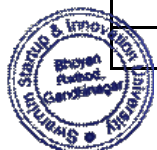
Course Name : BBA	Identifying Entrepreneurial Opportunities (SEC230202) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	1	2	2	1	1	1	2	2	1	1.4
CO2	1	2	1	1	1	2	1	1	1	2	1.3
CO3	2	1	2	2	2	2	2	1	1	1	1.6
CO4	1	1	1	1	1	1	1	1	2	1	1.1
Average	1.25	1.25	1.5	1.5	1.25	1.5	1.25	1.25	1.5	1.25	1.35

Course Name : BBA	Environmental Studie (VAC230201) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	1	1	1	1	1	2	1	2	2	1.3
CO2	1	1	1	2	1	1	2	1	2	2	1.4
CO3	1	1	2	1	1	1	2	1	2	2	1.4
Average	1	1	1.333	1.333	1	1	2	1	2	2	1.37





Course Name : BBA	Financial Statement Analysis (14020301) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	3	2	3	2	3	3	3	3	2	2.7
CO2	3	3	3	3	2	3	3	2	3	2	2.7
CO3	2	3	2	2	2	3	3	3	2	1	2.3
CO4	2	3	3	3	2	2	3	2	2	1	2.3
Average	2.5	3	2.5	2.75	2	2.75	3	2.5	2.5	1.5	2.5
Course Name : BBA	Business Statistics (14020302) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	1	1	3	1	1	1	2	1	1	2	1.4
CO2	1	1	2	1	1	1	3	1	1	3	1.5
CO3	1	1	2	1	1	1	2	1	1	3	1.4
Average	1	1	2.333	1	1	1	2.333	1	1	2.667	1.433333333
Course Name : BBA	Employee Behavior & Relationship Management (14020303) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	3	2	3	2	3	2	3	2	2.5
CO2	3	3	2	3	2	2	2	3	3	3	2.6
CO3	3	3	2	2	2	2	3	2	3	1	2.3
CO4	3	2	3	2	2	1	2	2	3	2	2.2
Average	3	2.5	2.5	2.25	2.25	1.75	2.5	2.25	3	2	2.4





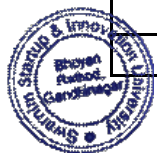
Course Name : BBA	Advertisement & sales (14020304) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	2	2	1	1	2	1	3	1	1	2	1.6
CO2	3	2	1	1	2	1	3	1	1	2	1.7
CO3	1	1	1	1	2	1	3	1	1	1	1.3
CO4	1	1	1	1	1	1	3	1	1	1	1.2
CO5	1	1	1	1	1	1	3	1	1	1	1.2
Average	1.6	1.4	1	1	1.6	1	3	1	1	1.4	1.4
Course Name : BBA	Environment law (14020305) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	3	2	3	2	3	2	3	2	2.5
CO2	3	3	2	3	2	2	2	3	3	3	2.6
CO3	3	3	2	2	2	2	3	2	3	1	2.3
Average	3	2.667	2.333	2.333	2.333	2	2.667	2.333	3	2	2.466666667
Course Name : BBA	Family Business Management (14020306) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	2	3	2	3	2	2	3	2	2	2	2.3
CO2	2	2	3	3	3	2	2	2	2	3	2.4
CO3	2	3	2	3	1	3	2	2	1	2	2.1
Average	2	2.667	2.333	3	2	2.333	2.333	2	1.667	2.333	2.266666667



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Course Name : BBA	Intellectual Property Rights (12300011) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	2	2	1	1	2	1	3	1	1	2	1.6
CO2	3	2	1	1	2	1	3	1	1	2	1.7
CO3	1	1	1	1	2	1	3	1	1	1	1.3
CO4	1	1	1	1	1	1	3	1	1	1	1.2
CO5	1	1	1	1	1	1	3	1	1	1	1.2
CO5	3	1	1	3	1	1	3	3	3	3	2.2
Average	1.6	1.4	1	1	1.6	1	3	1	1	1.4	1.4
Course Name : BBA	Introduction to Business Law (14020401) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	1	1	1	1	3	1	1	1	2	1.5
CO2	3	3	2	1	1	3	2	2	1	2	2
CO3	2	3	3	1	3	3	3	2	1	2	2.3
CO4	2	2	1	3	1	3	3	2	1	3	2.1
Average	2.5	2.25	1.75	1.5	1.5	3	2.25	1.75	1	2.25	1.975
Course Name : BBA	Global marketing Management (14020402) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	1	1	1	1	3	1	1	1	2	1.5
CO2	3	3	2	1	1	3	2	2	1	2	2
CO3	2	3	3	1	3	3	3	2	1	2	2.3
CO4	2	2	1	3	1	3	3	2	1	3	2.1
CO5	2	2	1	3	1	3	3	2	1	3	2.1
Average	2.4	2.2	1.6	1.8	1.4	3	2.4	1.8	1	2.4	2



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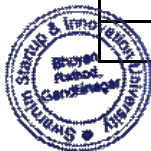


Course Name : BBA	Business Research Methods (14020403) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	2	2	3	3	1	2	2	1	1	2	1.9
CO2	1	1	2	3	1	2	1	2	1	3	1.7
CO3	3	3	2	1	1	3	3	3	3	2	2.4
Average	2	2	2.333	2.333	1	2.333	2	2	1.667	2.333	2

Course Name : BBA	Financial Management (14020404) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	1	1	1	1	3	1	1	1	2	1.5
CO2	3	3	2	1	1	3	2	2	1	2	2
CO3	2	3	3	1	1	3	3	2	1	2	2.1
CO4	3	2	1	1	1	3	3	2	1	2	1.9
Average	2.75	2.25	1.75	1	1	3	2.25	1.75	1	2	1.875

Course Name : BBA	Human Resource Management (14020405) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	2	3	3	2	3	1	2	3	2.4
CO2	3	2	3	3	3	3	3	2	2	3	2.7
CO3	3	2	2	1	2	3	1	1	1	3	1.9
CO4	3	1	3	1	1	3	1	1	1	3	1.8
Average	3	1.75	2.5	2	2.25	2.75	2	1.25	1.5	3	2.2

Course Name : BBA	Supply Chain Management (14020406) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	2	3	3	2	3	1	2	3	2.4
CO2	3	2	3	3	3	3	3	2	2	3	2.7
CO3	3	3	2	1	2	3	1	1	3	3	2.2
CO4	3	1	3	1	3	3	1	1	1	3	2
Average	3	2	2.5	2	2.75	2.75	2	1.25	2	3	2.325





Course Name : BBA	Intermediate Program in Entrepreneurship (12300012) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	3	3	3	3	2	3	2	2	3	2.7
CO2	2	3	3	2	2	3	3	1	2	2	2.3
CO3	3	2	2	3	3	2	3	1	2	3	2.4
CO4	3	3	3	3	3	2	3	2	2	3	2.7
Average	2.75	2.75	2.75	2.75	2.75	2.25	3	1.5	2	2.75	2.525
Course Name : BBA	Company Law (14020501) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	3	3	3	3	2	3	2	2	3	2.7
CO2	2	3	3	2	2	3	3	1	2	2	2.3
CO3	3	2	2	3	3	2	3	1	2	3	2.4
CO4	3	2	3	3	3	3	3	2	2	3	2.7
Average	2.75	2.5	2.75	2.75	2.75	2.5	3	1.5	2	2.75	2.525
Course Name : BBA	Negotiation Skill (14020502) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	3	2	2	3	1	1	3	3	2.3
CO2	2	3	3	2	3	3	3	3	2	3	2.7
CO3	3	2	2	3	2	2	3	2	3	3	2.5
CO4	2	2	2	2	3	3	2	3	2	3	2.4
Average	2.5	2.25	2.5	2.25	2.5	2.75	2.25	2.25	2.5	3	2.475
Course Name : BBA	Management outcomes with the Shrimad Bhagwat Geeta (14020503) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	2	3	2	1	2	1	2	1	2	1	1.7
CO2	1	2	2	2	2	2	3	1	1	2	1.8
CO3	3	3	3	2	2	2	3	1	2	2	2.3
Average	2	2.667	2.333	1.667	2	1.667	2.667	1	1.667	1.667	1.933333334





Course Name : BBA	Industrial Relation (14020504) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	3	3	3	3	2	3	2	2	3	2.7
CO2	3	3	3	2	2	3	3	1	2	2	2.4
CO3	3	2	2	3	3	2	3	1	2	3	2.4
Average	3	2.667	2.667	2.667	2.667	2.333	3	1.333	2	2.667	2.5

Course Name : BBA	Recruitment and Selection (14020505) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	3	3	1	1	2	2	1	2	2	2
CO2	3	3	3	1	2	2	2	2	2	2	2.2
CO3	3	3	3	1	1	2	2	1	2	2	2
Average	3	3	3	1	1.333	2	2	1.333	2	2	2.066666667

Course Name : BBA	Corporate strategy (14020506) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	2	3	3	1	2	1	1	3	2.1
CO2	2	2	2	1	3	1	2	2	1	3	1.9
CO3	3	2	2	1	2	3	2	1	2	3	2.1
CO4	3	3	3	2	2	2	2	2	1	3	2.3
Average	2.75	2.25	2.25	1.75	2.5	1.75	2	1.5	1.25	3	2.1

Course Name : BBA	Retail Management (14020507) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	2	3	3	1	2	1	1	3	2.1
CO2	2	2	2	1	3	1	2	2	1	3	1.9
CO3	3	2	2	1	2	3	2	1	2	3	2.1
CO4	3	3	3	2	2	2	2	2	1	3	2.3
Average	2.75	2.25	2.25	1.75	2.5	1.75	2	1.5	1.25	3	2.1



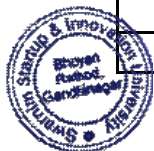


Course Name : BBA	Advance Financial Management (14020508) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	1	2	1	1	1	3	1	1	2	1.6
CO2	3	2	2	1	1	1	3	1	1	2	1.7
CO3	3	3	3	1	2	1	3	1	1	3	2.1
CO4	3	3	3	1	1	1	3	1	1	3	2
Average	3	2.25	2.5	1	1.25	1	3	1	1	2.5	1.85

Course Name : BBA	Banking Finance Institute (14020509) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3

Course Name : BBA	Project Management (14020510) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	3	1	2	3	2	2	3	2	3	2.4
CO2	3	2	2	2	3	3	3	1	3	3	2.5
CO3	1	1	3	3	3	2	3	2	3	3	2.4
Average	2.333	2	2	2.333	3	2.333	2.667	2	2.667	3	2.433333333

Course Name : BBA	Advanced Program in Entrepreneurship (12300013) Semester-5										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	2	2	2	2	1	3	2	3	2	2	2.1
CO2	2	2	2	2	1	3	2	3	1	2	2
CO3	2	2	2	2	1	3	2	3	2	2	2.1
CO4	2	2	2	2	1	3	3	3	1	1	2
Average	2	2	2	2	1	3	2.25	3	1.5	1.75	2.05



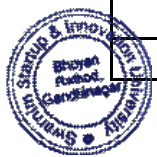


Course Name : BBA	Industry Law (14020601) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3

Course Name : BBA	Business plan (14020602) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3

Course Name : BBA	Business Ethics (14020603) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	3	2	1	3	2	1	2	1	3	2.1
CO2	3	3	1	2	3	3	2	2	1	3	2.3
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	3	2	2	3	3	3	3	3	1	3	2.6
Average	3	2.75	2	2.25	3	2.5	2	2.5	1	3	2.4

Course Name : BBA	International HRM (14020604) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	1	3	1	1	2	3	3	3	2.2
CO2	3	2	1	3	2	2	3	3	3	3	2.5
CO3	3	2	1	3	1	1	2	3	3	3	2.2
CO4	3	3	2	3	1	1	2	3	3	3	2.4
Average	3	2.25	1.25	3	1.25	1.25	2.25	3	3	3	2.325



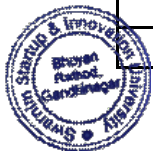


Course Name : BBA	Human value & training & development (14020605) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	3	2	1	2	1	1	1	1	2	1.7
CO2	3	3	3	1	1	1	1	1	2	2	1.8
CO3	3	3	2	1	2	1	2	1	2	2	1.9
Average	3	3	2.333	1	1.667	1	1.333	1	1.667	2	1.8

Course Name : BBA	Digital Marketing (14020606) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	3	1	3	1	2	3	2	3	2.3
CO2	3	2	3	1	3	1	2	3	2	3	2.3
CO3	3	2	3	1	3	1	2	3	2	3	2.3
CO4	3	2	3	1	3	1	2	3	2	3	2.3
Average	3	2	3	1	3	1	2	3	2	3	2.3

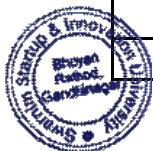
Course Name : BBA	Service Marketing (14020607) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3

Course Name : BBA	Security Analysis (14020608) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3





Course Name : BBA	Portfolio Management (14020609) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	3	2	3	2	2	3	1	1	3	3	2.3
CO2	2	3	3	2	3	3	3	3	2	3	2.7
CO3	3	2	2	3	2	2	3	2	3	3	2.5
CO4	2	2	2	2	3	3	2	3	2	3	2.4
Average	2.5	2.25	2.5	2.25	2.5	2.75	2.25	2.25	2.5	3	2.475
Course Name : BBA	Start-Up Project (12300014) Semester-6										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
CO1	2	2	1	1	1	1	1	3	3	1	1.6
CO2	1	1	1	1	1	1	1	2	1	1	1.1
CO3	2	2	2	1	2	1	1	3	3	1	1.8
CO4	2	2	2	2	2	1	1	3	2	1	1.8
CO5	2	2	2	1	1	2	2	3	1	1	1.7
Average	1.8	1.8	1.6	1.2	1.4	1.2	1.2	2.8	2	1	1.6





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PROGRAM NAME:- MBA (1st year and 2nd year)											
ACADEMIC YEAR 2023-2024											
Course Name :	Managerial Economics (MBA101MAE) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	2	2	2	2	3	1	1	3	2.1
CO2	2	3	3	1	1	3	2	1	1	3	2
CO3	2	3	3	1	1	3	2	1	2	3	2.1
CO4	3	3	2	1	3	3	2	1	3	3	2.4
CO5	3	3	3	2	3	3	3	1	2	3	2.6
Average	2.6	2.8	2.6	1.4	2	2.8	2.4	1	1.8	3	2.24
Course Name :	Principles and Practices of Management (MBA102PPM) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	1	3	2	2	3	3	2	3	2.4
CO2	3	2	1	2	2	2	3	3	1	3	2.2
CO3	3	2	1	3	2	1	3	3	2	3	2.3
CO4	3	2	1	3	2	1	3	3	1	3	2.2
Average	3	2	1	2.75	2	1.5	3	3	1.5	3	2.275
Course Name :	Marketing Management (MBA103MAM) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	2	3	3	1	2	1	1	3	2.1
CO2	2	2	2	1	3	1	2	2	1	3	1.9
CO3	3	2	2	1	2	3	2	1	2	3	2.1
CO4	3	3	3	2	2	2	2	2	1	3	2.3
CO5	3	2	1	3	3	2	2	3	2	3	2.4
Average	2.8	2.2	2	2	2.6	1.8	2	1.8	1.4	3	2.16
Course Name :	Organisation Behaviour (MBA104ORB) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	3	3	3	1	1	2	3	3	3	2.5
CO2	3	3	3	3	1	1	2	3	3	3	2.5
CO3	3	2	2	3	1	1	2	3	2	3	2.2
CO4	3	2	2	3	1	1	2	2	3	3	2.2
Average	3	2.5	2.5	3	1	1	2	2.75	2.75	3	2.35
Course Name :	Production and Operation management (MBA105POM) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	3	3	3	1	1	2	3	3	3	2.5
CO2	3	3	3	3	3	1	2	3	1	3	2.5
CO3	3	2	2	3	1	1	2	3	2	3	2.2
CO4	3	3	2	3	1	2	2	3	1	3	2.3
Average	3	2.75	2.5	3	1.5	1.25	2	3	1.75	3	2.375
Course Name :	Accounting for Managers (MBA106AFM) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	1	1	1	3	1	1	1	3	1.7
CO2	3	3	1	1	1	3	1	1	1	3	1.8
CO3	3	2	2	1	2	3	1	1	1	3	1.9
CO4	3	3	2	1	2	3	1	2	1	3	2.1
CO5	3	3	1	1	2	3	1	2	2	3	2.1
Average	3	2.6	1.4	1	1.6	3	1	1.4	1.2	3	1.92
Course Name :	Entrepreneurship and Start-up (MBA107EAS) Semester-1										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	3	2	1	1	3	2	1	3	2.1
CO2	3	3	3	2	2	1	3	2	2	3	2.4
CO3	3	3	2	2	2	1	3	2	1	3	2.2
CO4	3	3	3	3	3	3	3	3	3	3	3
Average	3	2.75	2.75	2.25	2	1.5	3	2.25	1.75	3	2.425



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Course Name :	Business Statistics (MBA201BUS) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	2	2	2	2	3	3	2	1	3	2	2.2
CO2	2	2	2	1	3	3	3	1	2	1	2
CO3	1	3	2	1	3	3	2	1	2	1	1.9
CO4	3	2	3	1	3	2	2	1	3	1	2.1
CO5	3	1	3	2	3	2	2	1	2	1	2
Average	2.2	2	2.4	1.4	3	2.6	2.2	1	2.4	1.2	2.04
Course Name :	Human Resource Management (MBA202HRM) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	1	3	1	1	2	3	3	3	2.2
CO2	3	2	1	3	2	2	3	3	3	3	2.5
CO3	3	2	1	3	1	1	2	3	3	3	2.2
CO4	3	3	2	3	1	1	2	3	3	3	2.4
CO5	3	2	1	3	1	1	3	3	3	3	2.3
Average	3	2.2	1.2	3	1.2	1.2	2.4	3	3	3	2.32
Course Name :	Information Technology for Managers (MBA203ITM) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	1	2	1	1	1	1	1	2	1	3	1.4
CO2	1	2	1	1	1	1	1	2	1	3	1.4
CO3	1	2	1	1	1	1	1	2	1	3	1.4
CO4	1	2	1	1	1	1	1	2	1	3	1.4
Average	1	2	1	1	1	1	1	2	1	3	1.4
Course Name :	Financial Management (MBA204FIM) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	1	1	1	1	3	1	1	1	2	1.5
CO2	3	3	2	1	1	3	2	2	1	2	2
CO3	2	3	3	1	1	3	3	2	1	2	2.1
CO4	3	2	1	1	1	3	3	2	1	2	1.9
CO5	3	3	2	1	1	3	3	2	1	2	2.1
Average	2.8	2.4	1.8	1	1	3	2.4	1.8	1	2	1.92
Course Name :	Professional Skills and Etiquettes (MBA205PSE) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	1	1	2	2	1	1	1	2	2	1	1.4
CO2	1	2	1	1	1	2	1	1	1	2	1.3
CO3	2	1	2	2	2	2	2	1	1	1	1.6
CO4	1	1	1	1	1	1	1	1	2	1	1.1
Average	1.25	1.25	1.5	1.5	1.25	1.5	1.25	1.25	1.5	1.25	1.35
Course Name :	Business Research Methods (MBA206BRM) Semester-2										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	3	3	2	1	1	2	1	1	1	1.8
CO2	3	3	3	2	1	1	2	1	1	1	1.8
CO3	3	3	3	2	1	1	2	1	1	1	1.8
CO4	3	3	3	2	1	1	2	1	1	1	1.8
CO5	3	3	3	2	1	1	2	1	1	1	1.8
Average	3	3	3	2	1	1	2	1	1	1	1.8



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Course Name :	New Enterprise and Innovation Management (16040301) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	3	2	1	1	3	2	1	3	2.1
CO2	3	3	3	2	2	1	3	2	2	3	2.4
CO3	3	3	2	2	2	1	3	2	1	3	2.2
CO4	3	3	3	3	3	3	3	3	3	3	3
Average	3	2.75	2.75	2.25	2	1.5	3	2.25	1.75	3	2.425
Course Name :	Business Law (16040302) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	1	1	1	1	3	1	1	1	2	1.5
CO2	3	3	2	1	1	3	2	2	1	2	2
CO3	2	3	3	1	3	3	3	2	1	2	2.3
CO4	2	2	1	3	1	3	3	2	1	3	2.1
Average	2.5	2.25	1.75	1.5	1.5	3	2.25	1.75	1	2.25	1.975
Course Name :	Business Strategy (16040303) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO 1	3	1	1	1	1	3	1	1	1	2	1.5
CO 2	3	3	2	1	1	3	2	2	1	2	2
CO 3	3	3	3	1	3	3	3	2	1	2	2.4
CO 4	3	2	1	3	1	3	3	2	1	3	2.2
Average	3	2.25	1.75	1.5	1.5	3	2.25	1.75	1	2.25	2.025
Course Name :	Management of financial services(16060301) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	1	1	1	3	3	1	1	2	1.8
CO2	3	1	1	1	1	3	3	1	1	2	1.7
CO3	3	1	1	1	1	3	2	1	1	2	1.6
CO4	3	1	1	1	1	3	3	1	1	2	1.7
Average	3	1.25	1	1	1	3	2.75	1	1	2	1.7
Course Name :	Compensation Management (16070302) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	3	2	2	1	1	2	3	3	3	2.3
CO2	3	2	3	3	1	2	3	3	3	3	2.6
CO3	3	2	2	2	1	1	3	3	3	3	2.3
CO4	2	2	2	3	1	1	2	3	3	3	2.2
CO5	3	2	2	3	1	1	3	3	3	3	2.4
Average	2.8	2.2	2.2	2.6	1	1.2	2.6	3	3	3	2.36
Course Name :	Security Analysis and Portfolio Management (16060302) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3
Course Name :	Strategic Human Resource Management (16070301) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	2	3	1	1	2	3	3	3	2.3
CO2	3	2	2	3	1	1	2	3	3	3	2.3
CO3	3	2	2	3	1	1	2	3	3	3	2.3
Average	3	2	2	3	1	1	2	3	3	3	2.3



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Course Name :	Digital Marketing (16050301) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	3	1	3	1	2	3	2	3	2.3
CO2	3	2	3	1	3	1	2	3	2	3	2.3
CO3	3	2	3	1	3	1	2	3	2	3	2.3
CO4	3	2	3	1	3	1	2	3	2	3	2.3
Average	3	2	3	1	3	1	2	3	2	3	2.3
Course Name :	Integrated Marketing Communication(16050302) Semester-3										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	3	1	3	1	2	3	2	3	2.3
CO2	3	2	3	1	3	1	2	3	2	3	2.3
CO3	3	2	3	1	3	1	2	3	2	3	2.3
CO4	3	2	3	1	3	1	2	3	2	3	2.3
Average	3	2	3	1	3	1	2	3	2	3	2.3
Course Name :	Legal Aspects of Business (16040401) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	3	1	3	1	2	3	2	3	2.3
CO2	3	2	3	1	3	1	2	3	2	3	2.3
CO3	3	2	3	1	3	1	2	3	2	3	2.3
Average	3	2	3	1	3	1	2	3	2	3	2.3
Course Name :	Change Management and Organization Development (16070402) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	2	3	1	1	2	3	3	3	2.3
CO2	3	2	2	3	1	1	2	3	3	3	2.3
CO3	3	2	2	3	1	1	2	3	3	3	2.3
Average	3	2	2	3	1	1	2	3	3	3	2.3
Course Name :	International Human Resource Management (16070401) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	2	2	3	1	1	2	3	3	3	2.3
CO2	3	2	2	3	1	1	2	3	3	3	2.3
CO3	3	2	2	3	1	1	2	3	3	3	2.3
CO4	3	2	2	3	1	1	2	3	3	3	2.3
Average	3	2	2	3	1	1	2	3	3	3	2.3
Course Name :	Global Marketing Management (16040402) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3



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Course Name :	Product and Brand Management(16050401) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3
Course Name :	Service and Relationship Marketing (16050402) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3
Course Name :	Risk Management (16060401) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3
Course Name :	Merger Acquisition (16060402) Semester-4										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO
CO1	3	1	2	1	3	2	1	2	1	3	1.9
CO2	2	3	1	2	3	3	2	2	1	3	2.2
CO3	3	3	3	3	3	2	2	3	1	3	2.6
CO4	2	2	2	3	3	3	3	3	1	3	2.5
Average	2.5	2.25	2	2.25	3	2.5	2	2.5	1	3	2.3



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SWARNIM SCHOOL OF COMPUTING AND IT												
PROGRAM NAME: BCA												
YEAR: - 2ND – 3RD/FINAL YEAR												
CO-PO matrix for all subjects of BCA												
Semester III												
Course Name :		Data and File Structure (13030301)										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average	
13030301.1	2	2	1	3	3	2	3	2	1	3	2.2	
13030301.2	3	2	1	3	2	3	1	3	2	3	2.3	
13030301.3	3	3	2	2	2	1	3	3	3	2	2.4	
13030301.4	2	2	1	3	3	2	3	2	1	3	2.2	
13030301.5	1	2	3	3	3	2	2	2	3	2	2.3	
13030301.6	1	2	3	2	1	2	1	2	3	2	1.9	
13030301.7	2	2	3	2	1	2	3	2	3	2	2.2	
Average	2	2.14	2	2.57	2.14	2	2.29	2.29	2.29	2.43	2.21	
Course Name :		Relationdal Database Management System (13030302)										
13030302.1	3	1	2	2	2	3	3	3	3	2	2.4	
13030302.2	1	2	3	3	3	2	2	2	3	2	2.3	
13030302.3	3	2	1	3	2	3	1	3	2	3	2.3	
13030302.4	2	2	1	3	3	2	3	2	1	3	2.2	
13030302.5	3	3	2	2	2	3	3	3	3	2	2.6	
13030302.6	1	2	3	2	3	2	1	1	2	3	2	
13030302.7	2	2	3	2	1	2	1	2	1	2	1.8	
Average	2.14	2	2.14	2.43	2.29	2.43	2	2.29	2.14	2.43	2.23	
Course Name :		Operating System (13030303)										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average	
13030303.1	2	2	3	3	3	2	3	3	3	2	2.6	
13030303.2	3	2	1	3	2	3	1	3	2	3	2.3	
13030303.3	2	2	1	3	3	2	3	3	1	3	2.3	
13030303.4	1	2	3	3	3	2	2	1	3	2	2.2	
13030303.5	3	3	2	2	2	1	3	3	3	2	2.4	
13030303.6	1	2	3	3	2	3	2	1	2	3	2.2	
13030303.7	3	2	3	2	3	2	2	1	2	3	2.3	
13030303.8	3	2	1	2	3	2	1	2	3	2	2.1	
13030303.9	3	2	2	3	2	1	2	2	3	2	2.2	
Average	2.33	2.11	2.11	2.67	2.56	2	2.11	2.11	2.44	2.44	2.29	





Course Name :		Object Oriented Programming I (13030304)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030304.1	2	2	1	3	3	2	3	2	1	3	2.2
13030304.2	3	3	2	2	2	1	3	3	3	2	2.4
13030304.3	3	2	1	3	2	3	1	3	2	3	2.3
13030304.4	1	2	3	3	3	2	2	1	3	2	2.2
13030304.5	2	2	1	3	3	2	3	2	1	3	2.2
13030304.6	1	2	3	3	3	2	2	2	3	2	2.3
13030304.7	3	2	3	2	1	2	1	2	3	2	2.1
13030304.8	3	2	3	3	3	2	2	1	3	2	2.4
Average	2.25	2.13	2.13	2.75	2.5	2	2.13	2	2.38	2.38	2.26
Course Name :		Software Engineering (13030305)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030305.1	1	3	2	2	3	3	2	1	2	3	2.2
13030305.2	3	1	2	2	2	1	3	3	3	2	2.2
13030305.3	2	2	3	3	3	2	3	2	1	3	2.4
13030305.4	3	2	1	2	2	3	3	3	2	1	2.2
13030305.5	2	3	1	2	3	2	1	2	3	1	2
13030305.6	2	3	2	2	3	2	3	3	1	2	2.3
13030305.7	2	3	3	2	3	2	1	2	3	2	2.3
Average	2.14	2.43	2	2.14	2.71	2.14	2.29	2.29	2.14	2	2.23
Course Name :		Intellectual Property Rights (12300011)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
12300011.1	1	3	2	2	3	3	2	1	2	3	2.2
12300011.2	3	1	2	2	2	1	3	3	3	2	2.2
12300011.3	2	2	3	3	3	2	3	3	1	3	2.5
12300011.4	3	2	1	2	2	3	3	3	2	1	2.2
12300011.5	2	3	3	2	3	3	1	2	3	1	2.3
Average	2.2	2.2	2.2	2.2	2.6	2.4	2.4	2.4	2.2	2	2.28





BCA SEMESTER 4											
Course Name :		Object Oriented Programming - II (13030401)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030401.1	1	2	1	1	2	2	3	3	3	2	2
13030401.2	2	2	3	3	2	2	3	3	2	1	2.3
13030401.3	2	3	2	3	2	1	1	2	1	2	1.9
13030401.4	3	2	2	3	3	2	2	1	2	3	2.3
13030401.5	2	3	3	2	1	3	2	3	2	3	2.4
13030401.6	3	2	1	3	2	3	2	2	3	2	2.3
13030401.7	3	2	1	1	3	2	3	3	2	2	2.2
13030401.8	1	2	3	2	3	3	3	2	1	2	2.2
Average	2.13	2.25	2	2.25	2.25	2.25	2.38	2.38	2	2.13	2.2
Course Name :		Open Source Technology (13030402)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030402.1	2	3	3	2	1	2	3	1	2	3	2.2
13030402.2	3	2	2	3	1	2	3	2	3	3	2.4
13030402.3	1	2	3	3	2	3	2	1	2	3	2.2
13030402.4	3	2	1	2	3	2	2	1	2	3	2.1
13030402.5	3	2	1	2	3	2	1	2	3	2	2.1
13030402.6	3	2	2	2	3	3	2	2	1	2	2.2
13030402.7	2	1	3	3	3	2	2	1	2	1	2
Average	2.43	2	2.14	2.43	2.29	2.29	2.14	1.43	2.14	2.43	2.17
Course Name :		Object Oriented Web Technology (13030403)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030403.1	3	2	1	3	2	1	2	2	3	2	2.1
13030403.2	2	3	2	1	2	3	2	3	3	2	2.3
13030403.3	1	2	3	3	3	2	1	2	3	2	2.2
13030403.4	3	2	2	2	3	3	2	2	1	2	2.2
13030403.5	2	1	3	3	3	2	2	1	2	1	2
13030403.6	3	2	1	3	2	3	1	3	2	3	2.3
13030403.7	1	2	3	3	3	2	2	1	3	2	2.2
13030403.8	3	3	2	2	2	1	3	3	3	2	2.4
Average	2.25	2.13	2.13	2.5	2.5	2.13	1.88	2.13	2.5	2	2.21





Course Name :		Data Communication and Network (13030404)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030404.1	3	2	2	3	1	2	3	2	3	3	2.4
13030404.2	3	2	1	3	2	1	2	2	3	2	2.1
13030404.3	2	3	2	1	2	3	2	1	3	2	2.1
13030404.4	2	1	3	3	3	2	2	2	2	1	2.1
13030404.5	1	2	3	1	3	3	3	3	3	2	2.4
13030404.6	1	2	3	2	1	3	3	3	1	2	2.1
13030404.7	3	2	1	3	2	1	2	2	3	2	2.1
Average	2.14	2	2.14	2.29	2	2.14	2.43	2.14	2.57	2	2.19
Course Name :		Data Center Management (13030405)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030405.1	2	1	3	3	3	2	2	1	2	1	2
13030405.2	3	2	2	3	3	2	3	2	3	3	2.6
13030405.3	3	2	1	3	2	1	2	2	3	2	2.1
13030405.4	2	3	2	1	2	3	2	1	3	2	2.1
13030405.5	1	2	1	1	3	2	3	3	3	2	2.1
13030405.6	1	2	2	2	1	3	2	3	2	3	2.1
13030405.7	2	3	2	1	2	3	2	1	2	2	2
13030405.8	1	2	3	2	1	3	3	2	1	2	2
13030405.9	3	2	3	2	2	2	3	3	2	3	2.5
Average	2	2.11	2.11	2	2.11	2.33	2.44	2	2.33	2.22	2.17
Course Name :		INTERMEDIATE PROGRAM IN ENTREPRENEURSHIP (12300012)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
12300012.1	2	3	2	1	2	3	2	1	3	2	2.1
12300012.2	1	2	3	3	2	2	3	3	3	2	2.4
12300012.3	3	2	2	2	3	3	2	3	2	3	2.5
12300012.4	2	3	2	3	2	3	2	1	2	2	2.2
12300012.5	3	2	3	2	3	3	3	3	1	3	2.6
Average	2.2	2.4	2.4	2.2	2.4	2.8	2.4	2.2	2.2	2.4	2.36





BCA SEMESTER 5											
Course Name :		Object Oriented Programming - III (13030501)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030501.1	3	2	1	3	2	1	2	2	3	2	2.1
13030501.2	2	3	2	1	2	3	2	3	3	2	2.3
13030501.3	3	2	2	3	1	2	3	2	3	3	2.4
13030501.4	2	1	3	3	3	2	2	1	2	1	2
13030501.5	3	2	1	3	2	3	2	2	3	2	2.3
13030501.6	1	2	3	3	3	2	2	3	3	2	2.4
13030501.7	3	2	2	3	3	2	3	2	3	3	2.6
13030501.8	1	2	3	3	2	2	3	2	1	2	2.1
Average	2.25	2	2.13	2.75	2.25	2.13	2.38	2.13	2.63	2.13	2.28
Course Name :		Object Oriented Analysis and Design (13030502)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030502.1	1	2	1	1	2	2	3	3	3	2	2
13030502.2	2	1	3	3	3	2	2	1	2	3	2.2
13030502.3	3	2	1	3	2	3	2	2	3	2	2.3
13030502.4	3	3	2	2	2	3	3	3	3	2	2.6
13030502.5	1	2	3	3	3	2	2	1	3	2	2.2
13030502.6	3	2	2	3	1	2	3	3	3	3	2.5
13030502.7	2	3	3	3	3	2	2	1	2	1	2.2
13030502.8	3	2	1	3	2	1	2	3	3	2	2.2
Average	2.25	2.13	2	2.63	2.25	2.13	2.38	2.13	2.75	2.13	2.28
Course Name :		Android Programming (13030504)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030504.1	1	2	3	3	3	2	2	2	3	2	2.3
13030504.2	2	2	3	3	3	2	3	2	1	3	2.4
13030504.3	3	3	2	2	2	1	3	3	3	2	2.4
13030504.4	3	2	3	3	2	3	1	3	2	3	2.5
13030504.5	1	2	3	3	3	2	2	1	3	2	2.2
13030504.6	3	2	3	3	3	3	2	3	3	2	2.7
13030504.7	3	2	2	3	1	2	3	2	3	3	2.4
13030504.8	1	2	3	3	3	2	3	2	1	2	2.2
Average	2.13	2.13	2.75	2.88	2.5	2.13	2.38	2.25	2.38	2.38	2.39





Course Name :		Software Devvelopment Project I (13030503)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030503.1	3	2	3	3	3	2	2	2	3	2	2.5
13030503.2	2	2	3	3	3	2	3	2	1	3	2.4
13030503.3	3	1	2	2	2	1	3	3	3	2	2.2
13030503.4	3	3	1	3	2	3	1	3	2	3	2.4
13030503.5	1	2	3	3	3	2	2	1	3	2	2.2
13030503.6	2	3	3	3	3	3	2	1	3	2	2.5
13030503.7	3	2	2	3	1	2	3	2	3	3	2.4
13030503.8	1	2	3	3	3	2	3	2	1	2	2.2
Average	2.25	2.13	2.5	2.88	2.5	2.13	2.38	2	2.38	2.38	2.35
Course Name :		ADVANCED PROGRAM IN ENTREPRENEURSHIP(12300013)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
12300013.1	3	2	2	3	1	2	3	2	3	3	2.4
12300013.2	3	2	1	3	2	1	2	2	3	2	2.1
12300013.3	2	3	2	1	2	3	2	1	3	2	2.1
12300013.4	1	2	1	1	2	2	3	3	3	2	2
12300013.5	1	2	2	2	3	3	2	3	2	1	2.1
12300013.6	2	3	3	3	2	3	2	1	2	2	2.3
12300013.7	1	2	3	2	3	3	3	2	1	2	2.2
12300013.8	3	2	3	2	2	2	3	3	2	3	2.5
Average	2	2.25	2.13	2.13	2.13	2.38	2.5	2.13	2.38	2.13	2.21
BCA SEMESTER 6											
Course Name :		Cyber Security (13030601)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030601.1	3	2	3	1	2	3	2	2	2	3	2.3
13030601.2	2	3	3	2	3	2	3	3	2	2	2.5
13030601.3	3	3	3	2	3	2	3	1	3	1	2.4
13030601.4	2	3	3	3	1	2	3	2	2	3	2.4
13030601.5	3	2	3	2	2	1	3	3	1	2	2.2
Average	2.6	2.6	3	2	2.2	2	2.8	2.2	2	2.2	2.36





Course Name :		Cloud Computing (13030602)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030602.1	3	2	3	1	2	2	2	2	2	2	2.1
13030602.2	2	3	3	2	2	3	3	3	3	3	2.7
13030602.3	3	3	3	2	2	2	3	3	3	1	2.5
13030602.4	2	3	3	3	3	2	3	2	1	2	2.4
13030602.5	3	2	3	2	2	1	3	1	1	3	2.1
Average	2.6	2.6	3	2	2.2	2	2.8	2.2	2	2.2	2.36
Course Name :		Data Warehousing and Data Mining (13030605)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030605.1	3	2	3	1	2	3	2	3	3	3	2.5
13030605.2	2	3	3	2	1	2	3	2	2	3	2.3
13030605.3	3	3	3	2	3	2	3	2	2	2	2.5
13030605.4	2	3	3	3	1	3	3	1	3	2	2.4
13030605.5	3	2	3	2	2	1	3	2	1	2	2.1
Average	2.6	2.6	3	2	1.8	2.2	2.8	2	2.2	2.4	2.36
Course Name :		Software Development Project II (13030603)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
13030603.1	3	2	3	3	3	3	2	2	2	2	2.5
13030603.2	2	3	3	2	2	2	3	3	3	3	2.6
13030603.3	3	3	3	2	3	3	3	2	2	2	2.6
13030603.4	2	3	3	3	1	2	3	2	3	3	2.5
13030603.5	3	2	3	2	2	1	3	2	1	2	2.1
Average	2.6	2.6	3	2.4	2.2	2.2	2.8	2.2	2.2	2.4	2.46
Course Name :		Start-Up Project (12300014)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
12300014.1	3	2	3	1	2	2	2	1	2	2	2
12300014.2	2	3	3	2	3	3	3	2	3	2	2.6
12300014.3	3	3	3	3	1	2	3	3	3	2	2.6
12300014.4	2	3	3	3	3	3	3	2	2	2	2.6
12300014.5	3	2	3	2	2	1	3	3	2	3	2.4
Average	2.6	2.6	3	2.2	2.2	2.2	2.8	2.2	2.4	2.2	2.44





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SWARNIM SCHOOL OF COMPUTING AND IT											
PROGRAM NAME: BCA(Honours)											
YEAR: - 1ST YEAR											
CO-PO matrix for all subjects of BCA(Honours)											
Semester 1											
Course Name :		Fundamentals of Computers (BCA230101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BCA230101.1	3	2	2	3	3	1	1	1	2	1	1.9
BCA230101.2	3	3	2	2	1	3	3	2	3	3	2.5
BCA230101.3	3	3	3	1	3	3	3	3	2	1	2.5
BCA230101.4	2	2	3	2	2	2	2	2	2	3	2.2
BCA230101.5	1	2	1	3	2	2	3	3	1	2	2
Average	2.4	2.4	2.2	2.2	2.2	2.2	2.4	2.2	2	2	2.22
Course Name :		Programming in C (BCA230102)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BCA230102.1	3	2	2	1	1	1	1	1	2	3	1.7
BCA230102.2	3	3	2	2	1	3	3	2	3	1	2.3
BCA230102.3	3	3	3	3	3	2	3	1	2	3	2.6
BCA230102.4	2	2	3	2	2	3	1	3	1	3	2.2
BCA230102.5	1	2	1	3	3	1	2	3	3	2	2.1
Average	2.4	2.4	2.2	2.2	2	2	2	2	2.2	2.4	2.18
Course Name :		Web Development Using HTML, CSS & XML (BCA230103)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BCA230103.1	3	3	2	2	2	1	1	1	2	1	1.8
BCA230103.2	3	3	3	2	2	1	3	2	3	2	2.4
BCA230103.3	3	3	2	2	1	3	3	2	1	3	2.3
BCA230103.4	2	3	3	2	3	3	3	3	2	3	2.7
BCA230103.5	2	2	3	2	3	3	1	3	2	2	2.3
Average	2.6	2.8	2.6	2	2.2	2.2	2.2	2.2	2	2.2	2.3





Course Name :		Mathematical Foundation (BCA230104)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BCA230104.1	3	2	3	2	1	3	1	1	1	1	1.8
BCA230104.2	3	3	2	2	1	1	3	3	3	2	2.3
BCA230104.3	3	2	3	2	2	3	1	1	2	3	2.2
BCA230104.4	2	3	2	3	3	1	3	2	1	2	2.2
BCA230104.5	3	2	2	2	3	3	3	3	3	3	2.7
Average	2.8	2.4	2.4	2.2	2	2.2	2.2	2	2	2.2	2.24
Course Name :		COMMUNICATION SKILLS (AEC230101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
AEC230101.1	2	2	3	3	2	1	1	1	1	2	1.8
AEC230101.2	2	3	3	3	2	1	2	2	3	3	2.4
AEC230101.3	3	3	2	2	3	3	1	3	3	2	2.5
AEC230101.4	2	2	2	3	3	3	3	3	3	2	2.6
AEC230101.5	3	2	2	2	2	3	3	2	1	3	2.3
Average	2.4	2.4	2.4	2.6	2.4	2.2	2	2.2	2.2	2.4	2.32
Course Name :		Foundation of Entrepreneurship (SEC230101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
SEC230101.1	3	3	2	2	2	3	3	3	2	2	2.5
SEC230101.2	2	3	3	2	3	3	2	2	3	3	2.6
SEC230101.3	3	3	2	2	3	2	3	3	3	2	2.6
SEC230101.4	2	2	2	3	2	3	3	2	2	2	2.3
Average	2.5	2.75	2.25	2.25	2.5	2.75	2.75	2.5	2.5	2.25	2.5
Course Name :		Indian Science and Technology (IKS230101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
IKS230101.1	3	2	2	2	2	1	1	2	1	2	1.8
IKS230101.2	3	3	2	3	3	3	3	3	2	2	2.7
IKS230101.3	2	3	3	2	3	2	3	2	2	3	2.5
IKS230101.4	3	2	3	2	2	3	3	3	3	2	2.6
IKS230101.5	2	2	2	3	2	1	2	3	3	2	2.2
Average	2.6	2.4	2.4	2.4	2.4	2	2.4	2.6	2.2	2.2	2.36





Semester II											
Course Name :		Data Structures using C (BCA230201)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BCA230201.1	3	2	3	2	2	1	1	1	2	2	1.9
BCA230201.2	3	3	3	2	3	3	3	3	3	2	2.8
BCA230201.3	3	3	2	2	2	3	3	2	3	3	2.6
BCA230201.4	2	3	2	3	2	3	3	2	3	3	2.6
BCA230201.5	3	2	2	2	2	1	1	3	2	1	1.9
Average	2.8	2.6	2.4	2.2	2.2	2.2	2.2	2.2	2.6	2.2	2.36
Course Name :		Object Oriented Concepts using C++(BCA230202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BCA230202.1	3	3	2	2	1	1	1	1	1	2	1.7
BCA230202.2	3	3	3	2	2	3	3	2	3	2	2.6
BCA230202.3	3	2	2	3	3	3	3	2	3	2	2.6
BCA230202.4	3	3	2	3	3	3	3	3	2	3	2.8
BCA230202.5	2	2	2	2	2	1	1	3	2	3	2
Average	2.8	2.6	2.2	2.4	2.2	2.2	2.2	2.2	2.2	2.4	2.34
Course Name :		Core Java (BCA230203)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BCA230203.1	3	2	3	2	3	3	3	3	2	2	2.6
BCA230203.2	3	3	2	3	2	2	2	2	3	3	2.5
BCA230203.3	3	3	3	3	3	1	3	2	3	2	2.6
BCA230203.4	2	2	2	1	2	3	2	2	2	2	2
Average	2.75	2.5	2.5	2.25	2.5	2.25	2.5	2.25	2.5	2.25	2.43
Course Name :		Foundation in Statistical Methods (BCA230204)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BCA230204.1	3	3	2	2	3	3	3	2	3	3	2.7
BCA230204.2	3	3	2	2	2	3	3	2	3	2	2.5
BCA230204.3	3	2	3	3	2	3	3	2	3	3	2.7
BCA230204.4	2	2	2	2	2	2	2	2	2	2	2
Average	2.75	2.5	2.25	2.25	2.25	2.75	2.75	2	2.75	2.5	2.48
Course Name :		Logical & Critical Thinking (AEC230202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
AEC230202.1	3	2	3	2	3	3	3	3	2	2	2.6
AEC230202.2	3	3	2	2	3	2	2	3	3	2	2.5
AEC230202.3	3	3	2	2	3	3	2	3	3	2	2.6
AEC230202.4	2	2	2	2	2	1	2	1	2	3	1.9
Average	2.75	2.5	2.25	2	2.75	2.25	2.25	2.5	2.5	2.25	2.4





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Course Name :		Identifying Entrepreneurial Opportunities (SEC230202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
SEC230202.1	3	3	2	2	2	3	3	2	1	2	2.3
SEC230202.2	3	3	3	2	2	3	2	3	3	2	2.6
SEC230202.3	3	3	2	2	2	2	2	3	2	3	2.4
SEC230202.4	2	2	2	3	2	3	3	2	3	2	2.4
Average	2.5	2.5	2	2.5	2	2.5	2.5	2.5	2.5	2.5	2.4
Course Name :		Environmental Studies (VAC230202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
VAC230202.1	3	2	2	2	2	1	3	2	2	2	2.1
VAC230202.2	3	3	2	3	3	3	3	2	2	3	2.7
VAC230202.3	2	3	2	2	1	3	3	2	2	3	2.3
VAC230202.4	3	2	2	2	2	1	1	2	2	2	1.9
Average	2.75	2.5	2	2.25	2	2	2.5	2	2	2.5	2.25



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SWARNIM SCHOOL OF COMPUTING AND IT											
PROGRAM NAME: BSCIT											
YEAR: - 2 ND YEAR											
CO-PO matrix for all subjects of BSCIT											
SEM-III											
Course Name :		Software Quality Assurance and Testing (14360301)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
14360301.1	3	2	3	3	2	3	3	2	2	3	2.6
14360301.2	2	3	3	3	3	2	2	3	3	3	2.7
14360301.3	3	3	3	2	2	2	3	2	3	1	2.4
14360301.4	2	3	3	1	3	3	2	3	2	3	2.5
14360301.5	3	2	3	2	1	1	2	2	1	3	2
Average	2.6	2.6	3	2.2	2.2	2.2	2.4	2.4	2.2	2.6	2.44
Course Name :		C++ and Object-Oriented Programming (14360302)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
14360302.1	3	2	3	3	3	2	3	2	2	2	2.5
14360302.2	2	3	3	2	2	3	2	3	2	3	2.5
14360302.3	3	3	3	2	3	2	2	2	3	3	2.6
14360302.4	2	3	3	1	2	3	3	2	2	3	2.4
14360302.5	3	3	3	2	1	1	2	2	2	3	2.2
Average	2.6	2.8	3	2	2.2	2.2	2.4	2.2	2.2	2.8	2.44
Course Name :		Relational Database Management System (RDBMS) Using Oracle (14360303)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
14360303.1	2	3	3	1	3	2	3	3	3	2	2.5
14360303.2	3	3	3	2	3	2	2	2	2	3	2.5
14360303.3	3	3	3	2	2	2	3	2	2	3	2.5
14360303.4	3	3	3	3	1	3	2	3	3	3	2.7
14360303.5	3	3	3	2	2	3	3	1	1	3	2.4
Average	2.8	3	3	2	2.2	2.4	2.6	2.2	2.2	2.8	2.52





Course Name :		Content Management System (CMS) Using WordPress (14360304)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
14360304.1	2	3	3	1	3	3	3	3	3	2	2.6
14360304.2	3	3	3	2	2	2	2	3	2	3	2.5
14360304.3	3	3	3	2	2	2	2	2	2	3	2.4
14360304.4	3	3	3	3	1	2	2	2	2	3	2.4
14360304.5	3	3	3	2	2	1	2	1	1	3	2.1
Average	2.8	3	3	2	2	2	2.2	2.2	2	2.8	2.4

Course Name :		Intellectual Property Rights (12300011)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
12300011.1	2	3	3	1	3	3	3	3	3	2	2.6
12300011.2	3	3	3	2	1	2	2	2	3	3	2.4
12300011.3	3	3	3	3	3	3	2	2	3	3	2.8
12300011.4	3	3	3	3	1	2	2	3	3	3	2.6
12300011.5	3	3	3	2	2	1	2	1	1	3	2.1
Average	2.8	3	3	2.2	2	2.2	2.2	2.2	2.6	2.8	2.5

Table 3.13: CO-PO matrix for all subjects of BSCIT SEM-IV

Course Name :		Programming with JAVA(14360401)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
14360401.1	3	2	3	2	3	3	3	3	3	3	2.8
14360401.2	2	3	3	2	2	2	2	2	2	3	2.3
14360401.3	3	3	3	3	3	2	3	3	2	3	2.8
14360401.4	2	3	3	1	1	2	2	2	3	2	2.1
14360401.5	3	3	3	2	3	2	3	1	1	3	2.4
14360401.6	2	3	2	2	1	2	1	1	2	3	1.9
Average	2.5	2.83	2.83	2	2.17	2.17	2.33	2	2.17	2.83	2.38

Course Name :		Network Technology and Administration(14360402)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
14360402.1	3	2	3	2	3	3	1	3	3	2	2.5
14360402.2	2	3	3	2	2	2	3	2	2	3	2.4
14360402.3	3	3	3	2	3	3	3	3	3	3	2.9
14360402.4	2	3	3	1	1	2	2	1	2	3	2
14360402.5	3	3	3	3	2	1	3	1	1	3	2.3
Average	2.6	2.8	3	2	2.2	2.2	2.4	2	2.2	2.8	2.42





Course Name :		Operating Systems Concepts With Unix and Linux (14360403)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
14360403.1	3	2	3	2	3	3	3	3	3	2	2.7
14360403.2	2	3	3	2	2	2	2	2	2	3	2.3
14360403.3	3	3	3	2	3	3	3	3	3	3	2.9
14360403.4	2	3	3	3	1	2	2	2	2	3	2.3
14360403.5	3	3	3	2	2	1	3	1	1	3	2.2
Average	2.6	2.8	3	2.2	2.2	2.2	2.6	2.2	2.2	2.8	2.48
Course Name :		Programming with C#(14360404)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
14360404.1	3	2	3	2	3	3	3	3	3	2	2.7
14360404.2	2	3	3	3	2	2	3	2	2	3	2.5
14360404.3	3	3	3	2	2	3	2	2	3	3	2.6
14360404.4	2	3	3	1	3	2	2	2	2	3	2.3
14360404.5	3	3	3	2	2	1	2	3	1	3	2.3
Average	2.6	2.8	3	2	2.4	2.2	2.4	2.4	2.2	2.8	2.48
Course Name :		Intermediate Program in Enterprenaurship									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BSCIT12300012.1	3	2	3	2	3	3	3	3	3	2	2.7
BSCIT12300012.2	2	3	3	2	2	2	2	2	2	3	2.3
BSCIT12300012.3	3	3	3	2	3	3	3	2	3	3	2.8
BSCIT12300012.4	2	3	3	3	1	2	2	3	2	3	2.4
BSCIT12300012.5	3	3	3	2	2	1	2	1	1	3	2.1
Average	2.6	2.8	3	2.2	2.2	2.2	2.4	2.2	2.2	2.8	2.46





SWARNIM SCHOOL OF COMPUTING AND IT											
PROGRAM NAME: BSCIT(Honours)											
YEAR: - 1ST YEAR											
CO-PO matrix for all subjects of BSCIT(Honours)											
Semester I											
Course Name :		Fundamentals of Computers (BSCIT230101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BSCIT230101.1	3	2	2	3	3	3	3	3	2	3	2.7
BSCIT230101.2	3	3	2	2	2	3	3	3	3	1	2.5
BSCIT230101.3	3	3	3	3	3	2	2	3	3	3	2.8
BSCIT230101.4	3	2	3	2	2	2	2	2	3	3	2.4
BSCIT230101.5	3	2	2	3	3	3	3	2	3	2	2.6
Average	3	2.4	2.4	2.6	2.6	2.6	2.6	2.6	2.8	2.4	2.6
Course Name :		Programming in C (BSCIT230102)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BSCIT230102.1	3	3	2	3	3	3	3	3	2	3	2.8
BSCIT230102.2	3	3	2	2	3	3	2	3	3	1	2.5
BSCIT230102.3	3	3	3	3	1	2	3	3	2	1	2.4
BSCIT230102.4	2	3	3	2	2	2	3	3	1	3	2.4
BSCIT230102.5	3	3	3	3	2	1	2	2	3	2	2.4
Average	2.8	3	2.6	2.6	2.2	2.2	2.6	2.8	2.2	2	2.5
Course Name :		Web Development Using HTML, CSS & XMLI (BSCIT230103)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BSCIT230103.1	3	3	3	2	2	3	3	3	3	3	2.8
BSCIT230103.2	3	3	3	2	2	3	2	3	2	2	2.5
BSCIT230103.3	3	3	1	2	3	2	2	2	3	2	2.3
BSCIT230103.4	2	3	3	2	3	2	2	3	2	3	2.5
BSCIT230103.5	2	2	3	2	2	3	2	3	2	2	2.3
Average	2.6	2.8	2.6	2	2.4	2.6	2.2	2.8	2.4	2.4	2.48
Course Name :		Mathematical Foundation (BSCIT230104)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BSCIT230104.1	3	2	3	3	3	3	3	3	3	3	2.9
BSCIT230104.2	3	3	2	3	2	2	2	3	2	2	2.4
BSCIT230104.3	3	2	3	3	3	3	3	2	3	3	2.8
BSCIT230104.4	2	3	2	3	2	2	2	3	3	2	2.4
BSCIT230104.5	3	2	2	3	1	3	3	3	2	2	2.4
Average	2.8	2.4	2.4	3	2.2	2.6	2.6	2.8	2.6	2.4	2.58





Course Name :		COMMUNICATION SKILLS (AEC230101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
AEC230101.1	2	2	3	3	3	1	3	3	3	2	2.5
AEC230101.2	2	3	3	3	3	3	2	2	2	3	2.6
AEC230101.3	3	3	2	2	3	2	3	3	3	2	2.6
AEC230101.4	2	2	2	3	3	3	2	2	2	2	2.3
AEC230101.5	3	2	2	2	3	2	3	3	3	3	2.6
Average	2.4	2.4	2.4	2.6	3	2.2	2.6	2.6	2.6	2.4	2.52
Course Name :		Foundation of Entrepreneurship (SEC230101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
SEC230101.1	3	3	2	2	2	3	3	3	2	2	2.5
SEC230101.2	2	3	3	2	2	3	3	2	2	3	2.5
SEC230101.3	3	3	2	2	2	3	3	3	2	3	2.6
SEC230101.4	2	2	2	3	2	3	3	3	2	2	2.4
Average	2.5	2.75	2.25	2.25	2	3	3	2.75	2	2.5	2.5
Course Name :		Indian Science and Technology (IKS230101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
IKS230101.1	3	2	2	2	2	3	3	2	3	2	2.4
IKS230101.2	3	3	2	3	2	2	3	3	2	2	2.5
IKS230101.3	2	3	2	2	3	3	3	3	2	3	2.6
IKS230101.4	3	2	2	2	3	1	3	2	2	2	2.2
IKS230101.5	2	2	2	3	2	1	3	3	3	2	2.3
Average	2.6	2.4	2	2.4	2.4	2	3	2.6	2.4	2.2	2.4
Semester II											
Course Name :		Data Structures using C (BSCIT230201)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BSCIT230201.1	3	2	3	2	2	3	1	3	2	2	2.3
BSCIT230201.2	3	3	3	3	3	2	1	3	3	2	2.6
BSCIT230201.3	3	3	2	2	2	1	3	3	3	2	2.4
BSCIT230201.4	2	3	2	1	2	3	3	3	1	2	2.2
BSCIT230201.5	3	2	2	2	2	1	2	3	2	3	2.2
Average	2.8	2.6	2.4	2	2.2	2	2	3	2.2	2.2	2.34





Course Name :		Database Management System (BSCIT230202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BSCIT230202.1	2	2	3	3	2	1	3	3	3	2	2.4
BSCIT230202.2	2	3	3	3	2	3	3	2	3	3	2.7
BSCIT230202.3	3	3	2	2	3	3	2	2	3	2	2.5
BSCIT230202.4	2	2	2	3	3	3	2	3	3	2	2.5
BSCIT230202.5	3	2	2	2	2	3	2	3	3	3	2.5
Average	2.4	2.4	2.4	2.6	2.4	2.6	2.4	2.6	3	2.4	2.52
Course Name :		Mobile Application (BSCIT230203)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BSCIT230203.1	3	2	2	1	3	3	2	2	2	3	2.3
BSCIT230203.2	3	3	2	2	1	2	1	2	1	3	2
BSCIT230203.3	3	3	3	3	3	3	3	3	2	3	2.9
BSCIT230203.4	2	2	3	2	2	1	3	3	3	3	2.4
BSCIT230203.5	3	2	3	3	2	1	2	3	2	3	2.4
Average	2.8	2.4	2.6	2.2	2.2	2	2.2	2.6	2	3	2.4
Course Name :		Foundation in Statistical Methods (BSCIT230204)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
BSCIT230204.1	3	3	2	2	2	3	3	3	2	1	2.4
BSCIT230204.2	3	3	3	2	2	2	2	2	3	2	2.4
BSCIT230204.3	3	3	2	2	3	3	2	3	1	2	2.4
BSCIT230204.4	3	3	3	2	3	3	2	3	2	3	2.7
BSCIT230204.5	3	2	3	2	2	3	2	3	2	2	2.4
Average	3	2.8	2.6	2	2.4	2.8	2.2	2.8	2	2	2.46
Course Name :		Logical & Critical Thinking (AEC230202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
AEC230202.1	3	3	2	3	3	3	3	3	2	3	2.8
AEC230202.2	3	3	2	2	1	3	2	2	1	1	2
AEC230202.3	3	3	3	1	2	2	3	2	2	1	2.2
AEC230202.4	2	3	3	2	2	1	1	3	2	3	2.2
AEC230202.5	1	3	2	3	2	1	2	3	1	2	2
Average	2.4	3	2.4	2.2	2	2	2.2	2.6	1.6	2	2.24





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Course Name :		Identifying Entrepreneurial Opportunities(SEC230202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
SEC230202.1	3	3	3	2	2	3	3	2	3	2	2.6
SEC230202.2	3	3	3	2	2	3	3	3	2	2	2.6
SEC230202.3	3	3	3	2	2	1	3	2	2	3	2.4
SEC230202.4	2	2	3	3	2	1	3	3	2	2	2.3
Average	2.75	2.75	3	2.25	2	2	3	2.5	2.25	2.25	2.48
Course Name :		Environmental Studies(VAC230202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
VAC230202.1	3	2	2	3	2	1	3	3	2	2	2.3
VAC230202.2	3	3	2	3	2	3	3	3	2	3	2.7
VAC230202.3	2	3	2	3	3	3	2	3	2	3	2.6
VAC230202.4	3	2	2	3	2	2	1	3	2	2	2.2
Average	2.75	2.5	2	3	2.25	2.25	2.25	3	2	2.5	2.45



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PROGRAM NAME: MCA											
YEAR: - 1ST – 2ND/FINAL YEAR											
CO-PO matrix for all subjects of MCA											
Semester I											
Course Name :		Basic Mathematics (16110101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110101.1	3	2	3	2	2	3	3	1	1	2	2.2
16110101.2	2	3	3	2	2	3	2	2	2	3	2.4
16110101.3	3	3	3	3	2	1	2	2	3	3	2.5
16110101.4	2	2	3	2	3	1	2	3	2	3	2.3
Average	2.5	2.5	3	2.25	2.25	2	2.25	2	2	2.75	2.35
Course Name :		Basic Computer Science-1 (16110102)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110102.1	2	2	3	3	3	2	1	1	3	2	2.2
16110102.2	2	2	2	3	2	1	2	2	3	2	2.1
16110102.3	3	1	3	3	3	2	3	3	1	3	2.5
16110102.4	3	2	3	2	3	3	2	2	3	1	2.4
16110102.5	3	2	3	2	1	2	3	3	2	2	2.3
16110102.6	3	2	3	2	2	2	3	3	1	3	2.4
Average	2.67	1.83	2.83	2.5	2.33	2	2.33	2.33	2.17	2.17	2.32
Course Name :		Basic Computer Science-2 (16110103)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110103.1	3	2	2	2	1	3	3	3	1	2	2.2
16110103.2	2	3	3	2	1	2	2	3	3	2	2.3
16110103.3	3	3	2	2	2	2	2	3	3	3	2.5
16110103.4	2	2	3	2	1	2	2	3	2	2	2.1
16110103.5	2	2	2	1	2	2	3	1	2	3	2
16110103.6	2	3	3	2	2	2	3	1	2	3	2.3
Average	2.33	2.5	2.5	1.83	1.5	2.17	2.5	2.33	2.17	2.5	2.23
Course Name :		Programming with Python (16110106)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110106.1	3	2	3	1	2	2	3	3	3	2	2.4
16110106.2	2	3	3	2	1	1	1	1	2	3	1.9
16110106.3	3	3	3	2	2	2	3	3	3	3	2.7
16110106.4	2	2	3	1	1	3	3	3	2	3	2.3
16110106.5	2	2	2	2	2	3	2	3	1	3	2.2
Average	2.4	2.4	2.8	1.6	1.6	2.2	2.4	2.6	2.2	2.8	2.3





Course Name :		Information Security (16110112)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110112.1	3	2	3	2	2	3	3	3	3	2	2.6
16110112.2	2	3	3	2	2	3	3	3	2	3	2.6
16110112.3	3	3	3	2	1	1	1	1	3	3	2.1
16110112.4	2	2	3	3	3	3	3	3	3	3	2.8
16110112.5	3	3	3	2	2	2	2	1	1	3	2.2
Average	2.6	2.6	3	2.2	2	2.4	2.4	2.2	2.4	2.8	2.46
MCA Semester II											
Course Name :		Basic Statistics (16110201)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110201.1	3	2	3	1	2	2	3	3	1	2	2.2
16110201.2	2	3	3	2	1	1	3	3	3	3	2.4
16110201.3	3	3	3	2	2	2	2	2	3	3	2.5
16110201.4	2	3	3	1	1	1	1	2	3	3	2
16110201.5	2	2	2	2	2	2	2	3	3	3	2.3
Average	2.4	2.6	2.8	1.6	1.6	1.6	2.2	2.6	2.6	2.8	2.28
Course Name :		Basic Computer Science-3 (16110202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110202.1	3	2	3	1	2	3	3	2	2	2	2.3
16110202.2	2	3	3	2	1	3	2	2	3	3	2.4
16110202.3	3	3	3	2	1	3	3	3	1	3	2.5
16110202.4	2	2	2	1	2	3	2	2	2	3	2.1
16110202.5	3	3	3	2	1	1	2	2	3	3	2.3
16110202.6	2	3	3	2	2	2	3	3	2	3	2.5
Average	2.5	2.67	2.83	1.67	1.5	2.5	2.5	2.33	2.17	2.83	2.35
Course Name :		Basic Computer Science-4 (16110203)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110203.1	3	2	3	2	2	2	1	2	2	1	2
16110203.2	2	3	3	2	1	1	2	2	2	2	2
16110203.3	3	3	3	2	1	3	2	1	1	1	2
16110203.4	2	2	2	1	1	2	2	3	3	2	2
16110203.5	3	3	3	2	1	1	2	2	2	1	2
16110203.6	2	3	3	2	2	3	3	2	3	2	2.5
Average	2.5	2.67	2.83	1.83	1.33	2	2	2	2.17	1.5	2.08





Course Name :		Network Security (16110204)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110204.1	3	2	3	2	2	2	2	1	1	2	2
16110204.2	2	3	3	2	1	2	1	3	2	3	2.2
16110204.3	3	3	3	2	2	2	2	3	1	3	2.4
16110204.4	2	2	2	3	3	3	3	3	2	3	2.6
16110204.5	3	3	3	2	2	2	2	1	1	3	2.2
16110204.6	2	3	3	2	2	2	2	1	2	3	2.2
Average	2.5	2.67	2.83	2.17	2	2.17	2	2	1.5	2.83	2.27
Course Name :		Android Programming (16110213)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110213.1	3	2	2	1	2	2	2	2	2	2	2
16110213.2	2	3	3	2	1	1	2	3	2	3	2.2
16110213.3	3	3	3	2	1	1	1	2	3	3	2.2
16110213.4	3	3	3	3	3	3	3	1	2	3	2.7
16110213.5	2	3	2	2	3	3	1	2	1	3	2.2
16110213.6	3	2	3	2	3	2	3	3	2	3	2.6
Average	2.67	2.67	2.67	2	2.17	2	2	2.17	2	2.83	2.32
MCA Semester III											
Course Name :		Design & Analysis of Algorithms (16110301)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110301.1	3	2	2	2	2	2	2	2	2	2	2.1
16110301.2	2	3	3	2	2	2	1	2	1	3	2.1
16110301.3	3	3	3	2	1	3	3	3	3	3	2.7
16110301.4	2	2	2	2	3	2	2	2	2	3	2.2
16110301.5	2	3	2	2	2	2	3	1	1	3	2.1
Average	2.4	2.6	2.4	2	2	2.2	2.2	2	1.8	2.8	2.24
Course Name :		Artificial Intelligence (16110302)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110302.1	3	2	3	2	2	2	2	2	2	2	2.2
16110302.2	2	3	3	2	2	2	2	2	1	3	2.2
16110302.3	3	3	3	2	2	2	2	2	2	3	2.4
16110302.4	2	2	2	3	3	3	3	3	3	3	2.7
16110302.5	3	3	3	2	2	2	2	2	2	3	2.4
Average	2.6	2.6	2.8	2.2	2.2	2.2	2.2	2.2	2	2.8	2.38





Course Name :		Digital Technology Trends (16110303)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110303.1	3	2	2	2	3	3	1	3	3	2	2.4
16110303.2	2	3	3	2	3	2	3	1	3	3	2.5
16110303.3	3	3	3	2	3	2	2	3	3	3	2.7
16110303.4	2	3	3	3	1	3	2	3	2	3	2.5
16110303.5	2	3	3	2	2	1	3	3	1	3	2.3
Average	2.4	2.8	2.8	2.2	2.4	2.2	2.2	2.6	2.4	2.8	2.48
Course Name :		Big Data Analytics (16110304)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110304.1	3	2	2	1	3	2	3	3	3	2	2.4
16110304.2	2	3	3	2	3	3	3	2	2	3	2.6
16110304.3	3	3	3	2	1	3	3	2	3	3	2.6
16110304.4	2	3	3	1	3	3	3	3	2	3	2.6
16110304.5	2	3	2	2	3	2	1	2	2	3	2.2
16110304.6	3	2	3	2	2	1	1	1	2	3	2
Average	2.5	2.67	2.67	1.67	2.5	2.33	2.33	2.17	2.33	2.83	2.4
Course Name :		Cloud Computing (16110312)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110312.1	3	2	2	1	3	1	3	1	3	2	2.1
16110312.2	2	3	3	2	3	2	3	3	3	3	2.7
16110312.3	3	3	3	2	3	2	2	3	3	3	2.7
16110312.4	2	3	3	1	3	2	1	2	3	3	2.3
16110312.5	2	3	2	2	3	1	1	2	1	3	2
Average	2.4	2.8	2.6	1.6	3	1.6	2	2.2	2.6	2.8	2.36
MCA Semester IV											
Course Name :		Project (16110401)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
16110401.1	3	3	3	2	2	1	1	3	2	2	2.2
16110401.2	3	3	3	2	3	2	2	3	1	1	2.3
16110401.3	2	3	3	2	3	1	2	3	1	1	2.1
16110401.4	3	2	3	1	3	2	1	3	2	2	2.2
16110401.5	2	2	2	2	3	2	3	3	1	1	2.1
16110401.6	3	3	3	2	3	3	3	2	3	3	2.8
Average	2.67	2.67	2.83	1.83	2.83	1.83	2	2.83	1.67	1.67	2.28





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PROGRAM NAME:- B. FASHION DESIGNING

YEAR: FINAL YEAR

CO-PO Mapping for all subjects of B.FD FINAL YEAR (2023-24)

Course Name :		Industry Work Culture 33050701									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33050701.1	2	2	1	2	1	2	2	1	1	1	1.5
33050701.2	1	1	2	2	3	2	1	2	2	2	1.8
33050701.3	3	1	3	2	1	3	3	2	2	2	2.2
33050701.4	2	2	2	3	3	2	3	3	3	3	2.6
33050701.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2	2	2

Course Name :		Jeans Culture 33050702									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33050702.1	2	2	1	2	1	2	2	1	1	1	1.5
33050702.2	1	1	2	2	3	2	1	2	2	2	1.8
33050702.3	3	1	3	2	1	3	3	2	2	2	2.2
33050702.4	2	2	2	3	3	2	3	3	3	3	2.6
33050702.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2	2	2



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Course Name :		Denim Wear 33050703									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33050702.1	2	2	1	2	1	2	2	1	1	1	1.5
33050702.2	1	1	2	2	3	2	1	2	2	2	1.8
33050702.3	3	1	3	2	1	3	3	2	2	2	2.2
33050702.4	2	2	2	3	3	2	3	3	3	3	2.6
33050702.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2	2	2

Course Name :		Advance Pattern Making 33050704								
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
33050704.1	2	2	1	2	1	2	2	1	1	1
33050704.2	1	1	2	2	3	2	1	2	2	2
33050704.3	3	1	3	2	1	3	3	2	2	2
33050704.4	2	2	2	3	3	2	3	3	3	3
33050704.5	1	3	2	2	2	1	2	2	2	2
Average	1.8	1.8	2	2.2	2	2	2.2	2	2	2

Course Name :		New-Age illustration (Digital) 33050705									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33050705.1	2	2	1	2	1	2	2	1	1	1	1.5
33050705.2	1	1	2	2	3	2	1	2	2	2	1.8
33050705.3	3	1	3	2	1	3	3	2	2	2	2.2
33050705.4	2	2	2	3	3	2	3	3	3	3	2.6
33050705.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2	2	2

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Course Name :		Fashion Sustainability 33050706									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33050706.1	2	2	1	2	1	2	2	1	1	1	1.5
33050706.2	1	1	2	2	3	2	1	2	2	2	1.8
33050706.3	3	1	3	2	1	3	3	2	2	2	2.2
33050706.4	2	2	2	3	3	2	3	3	3	3	2.6
33050706.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2	2	2

Course Name :		Graduation Project (Internship) 33050801									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33050801.1	2	2	1	2	1	2	2	1	1	1	1.5
33050801.2	1	1	2	2	3	2	1	2	2	2	1.8
33050801.3	3	1	3	2	1	3	3	2	2	2	2.2
33050801.4	2	2	2	3	3	2	3	3	3	3	2.6
33050801.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2	2	2



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SWARNIM SCHOOL OF DESIGN

PROGRAM NAME: - Bachelor of Interior Design (B.ID)

YEAR: 1st to 4th Year

THIS DATA IS COMPILED FROM CRITERIA 1.1.1

Course Name :		Foundation Studio 33000001									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
101.1	3	3	2	3	2	1	1	1	2	1	1.9
101.2	3	2	3	2	3	2	1	1	2	1	2
101.3	3	3	3	3	3	2	2	2	1	2	2.4
101.4	2	3	2	3	2	3	1	2	2	2	2.2
101.5	3	2	3	3	3	3	2	3	3	3	2.8
Average	2.8	2.6	2.6	2.8	2.6	2.2	1.4	1.8	2	1.8	2.26

Course Name :		Interior Material and Construction - I 33030101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
102.1	3	3	2	3	2	1	1	1	2	2	2
102.2	3	3	3	3	2	2	1	1	2	2	2.2
102.3	3	2	3	3	3	2	2	1	2	1	2.2
102.4	2	3	3	3	2	3	2	2	2	2	2.4
102.5	3	2	2	3	3	2	2	3	3	3	2.6
Average	2.8	2.6	2.6	3	2.4	2	1.6	1.6	2.2	2	2.28





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Course Name :		Technical Representation of Drawings - I 33030102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
103.1	3	2	3	2	3	2	1	1	2	2	2.1
103.2	3	3	3	3	3	2	1	2	2	1	2.3
103.3	3	3	3	3	3	2	2	2	1	2	2.4
103.4	2	2	3	3	2	3	2	2	2	2	2.3
103.5	3	2	3	3	3	2	2	3	3	3	2.7
Average	2.8	2.4	3	2.8	2.8	2.2	1.6	2	2	2	2.36

Course Name :		Humanities 33030103									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
104.1	3	2	1	2	3	2	1	1	2	2	1.9
104.2	3	3	2	3	2	3	2	2	2	2	2.4
104.3	2	3	2	2	3	2	2	1	2	2	2.1
104.4	2	2	1	2	3	3	2	1	3	2	2.1
104.5	3	2	1	3	2	3	2	3	3	3	2.5
Average	2.6	2.4	1.4	2.4	2.6	2.6	1.8	1.6	2.4	2.2	2.2

Course Name :		Design Communication 33000002									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
105.1	3	3	2	3	2	1	1	1	2	1	1.9
105.2	3	2	3	2	3	2	2	1	2	1	2.1
105.3	3	3	3	3	3	2	2	2	2	2	2.5
105.4	2	2	2	2	3	3	2	1	3	2	2.2
105.5	3	2	2	3	3	2	3	3	3	3	2.7
Average	2.8	2.4	2.4	2.6	2.8	2	2	1.6	2.4	1.8	2.28



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Course Name :		Design Studio - I 33030201									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
106.1	3	3	2	3	2	1	1	1	2	2	2
106.2	3	3	3	2	3	2	1	2	2	2	2.3
106.3	3	2	3	3	2	2	2	2	2	2	2.3
106.4	2	3	2	3	2	3	2	2	2	2	2.3
106.5	3	2	2	3	3	2	2	3	3	3	2.6
Average	2.8	2.6	2.4	2.8	2.4	2	1.6	2	2.2	2.2	2.3

Course Name :		Interior Material & Construction - II 33030202									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
107.1	3	3	2	3	2	2	1	1	2	2	2.1
107.2	3	3	2	3	2	2	1	2	2	2	2.2
107.3	3	2	3	3	3	2	2	2	2	2	2.4
107.4	3	3	3	3	2	3	2	2	2	2	2.5
107.5	3	2	2	3	2	3	2	3	3	3	2.6
Average	3	2.6	2.4	3	2.2	2.4	1.6	2	2.2	2.2	2.36

Course Name :		Technical Representation of Drawings - II 33030203									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
108.1	3	3	3	2	2	2	1	2	2	2	2.2
108.2	2	3	3	2	3	2	1	2	2	2	2.2
108.3	3	3	3	3	2	2	1	2	2	2	2.3
108.4	3	3	3	3	2	2	1	2	2	2	2.3
108.5	3	2	3	3	3	2	2	2	2	2	2.4
Average	2.8	2.8	3	2.6	2.4	2	1.2	2	2	2	2.28



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Course Name :		Basics of Design 33030204									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
109.1	3	2	3	2	2	1	1	1	2	2	1.9
109.2	3	3	3	3	2	2	1	2	2	2	2.3
109.3	3	3	3	3	2	2	2	2	1	2	2.3
109.4	2	3	3	3	2	3	2	2	2	2	2.4
109.5	3	2	2	3	3	2	2	3	3	3	2.6
Average	2.8	2.6	2.8	2.8	2.2	2	1.6	2	2	2.2	2.3

Course Name :		History of Interior & Furniture Design - I 33030205									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
110.1	3	2	1	2	2	2	1	1	2	2	1.8
110.2	3	3	1	3	2	2	1	2	2	2	2.1
110.3	3	2	2	3	3	2	1	2	2	2	2.2
110.4	3	3	2	3	2	3	2	2	2	2	2.4
110.5	3	2	1	3	2	3	2	3	3	3	2.5
Average	3	2.4	1.4	2.8	2.2	2.4	1.4	2	2.2	2.2	2.2



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Course Name :		Design Studio - II 33030301									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
201.1	3	3	2	3	2	2	1	1	2	2	2.1
201.2	3	3	3	3	2	2	1	2	2	2	2.3
201.3	3	3	3	3	3	2	2	2	1	2	2.4
201.4	2	3	2	3	2	3	2	2	2	2	2.3
201.5	3	2	2	3	3	2	2	3	3	3	2.6
Average	2.8	2.8	2.4	3	2.4	2.2	1.6	2	2	2.2	2.34

Course Name :		Interior Material & Construction - III 33030302									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
202.1	3	2	2	3	2	2	1	1	2	2	2
202.2	3	3	2	3	2	2	1	2	2	2	2.2
202.3	3	2	3	3	3	2	2	2	2	2	2.4
202.4	3	3	3	3	2	3	2	2	2	2	2.5
202.5	3	2	2	3	2	3	2	3	3	3	2.6
Average	3	2.4	2.4	3	2.2	2.4	1.6	2	2.2	2.2	2.34

Course Name :		Interior Services - I 33030303									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
203.1	3	2	2	3	2	2	1	1	2	2	2
203.2	3	3	2	3	2	2	1	2	2	2	2.2
203.3	3	2	3	3	3	2	2	2	2	2	2.4
203.4	3	3	3	3	2	3	2	2	2	2	2.5
203.5	3	2	2	3	2	3	2	3	3	3	2.6
Average	3	2.4	2.4	3	2.2	2.4	1.6	2	2.2	2.2	2.34





Course Name :		Structure - I 33030304									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
204.1	3	2	2	3	2	2	1	1	2	2	2
204.2	3	3	2	3	2	2	1	2	2	2	2.2
204.3	3	2	3	3	3	2	2	2	2	2	2.4
204.4	3	3	3	3	2	3	2	2	2	2	2.5
204.5	3	2	2	3	2	3	2	3	3	3	2.6
Average	3	2.4	2.4	3	2.2	2.4	1.6	2	2.2	2.2	2.34

Course Name :		Lighting Design 33030305									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
205.1	3	2	2	3	2	2	1	1	2	2	2
205.2	3	3	2	3	2	2	1	2	2	2	2.2
205.3	3	2	3	3	3	2	2	2	2	2	2.4
205.4	3	3	3	3	2	3	2	2	2	2	2.5
205.5	3	2	2	3	2	3	2	3	3	3	2.6
Average	3	2.4	2.4	3	2.2	2.4	1.6	2	2.2	2.2	2.34

Course Name :		History of Interior & Furniture Design - II 33030306									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
206.1	3	2	2	2	2	1	1	2	2	2	1.9
206.2	3	3	2	3	2	2	1	2	2	2	2.2
206.3	3	2	2	3	3	2	1	2	2	2	2.2
206.4	3	3	3	3	2	3	2	2	2	2	2.5
206.5	3	2	2	3	2	3	2	3	3	3	2.6
Average	3	2.4	2.2	2.8	2.2	2.2	1.4	2.2	2.2	2.2	2.28





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Course Name :		Interior Material & Construction - IV 33030402									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
208.1	3	2	3	3	2	2	1	2	2	2	2.2
208.2	3	3	2	3	2	2	1	2	2	2	2.2
208.3	3	3	3	3	3	2	2	2	2	2	2.5
208.4	3	3	3	3	2	3	2	2	2	2	2.5
208.5	3	2	2	3	2	3	2	3	3	3	2.6
Average	3	2.6	2.6	3	2.2	2.4	1.6	2.2	2.2	2.2	2.4

Course Name :		Interior Services - II 33030403									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
209.1	3	2	2	3	2	2	1	1	2	2	2
209.2	3	3	2	3	2	2	1	2	2	2	2.2
209.3	3	2	3	3	3	2	2	2	2	2	2.4
209.4	3	3	3	3	2	3	2	2	2	2	2.5
209.5	3	2	2	3	2	3	2	3	3	3	2.6
Average	3	2.4	2.4	3	2.2	2.4	1.6	2	2.2	2.2	2.34

Course Name :		Furniture Design - I 33030404									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
210.1	2	2	1	2	1	2	2	1	2	1	1.6
210.2	1	1	2	2	3	2	1	2	1	2	1.7
210.3	3	3	3	2	1	3	3	2	3	2	2.5
210.4	2	2	2	3	3	2	3	3	3	3	2.6
210.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	2.2	2	2.2	2	2	2.2	2	2.2	2	2.06



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Course Name :		History of Interior & Furniture Design - III 33030405									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
211.1	2	2	1	2	1	2	2	1	2	1	1.6
211.2	1	1	2	2	3	2	1	2	1	2	1.7
211.3	3	3	3	2	1	3	3	2	3	2	2.5
211.4	2	2	2	3	3	2	3	3	3	3	2.6
211.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	2.2	2	2.2	2	2	2.2	2	2.2	2	2.06

Course Name :		Computer Application - I 33030406									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
212.1	2	2	1	2	1	2	2	1	2	1	1.6
212.2	1	1	2	2	3	2	1	2	1	2	1.7
212.3	3	3	3	2	1	3	3	2	3	2	2.5
212.4	2	2	2	3	3	2	3	3	3	3	2.6
212.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	2.2	2	2.2	2	2	2.2	2	2.2	2	2.06

Course Name :		Design Studio - III 33030401									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
207.1	3	3	2	3	2	2	1	1	2	2	2.1
207.2	3	3	3	3	2	2	1	2	2	2	2.3
207.3	3	3	3	3	3	2	2	2	2	2	2.5
207.4	2	3	2	3	2	3	2	2	2	2	2.3
207.5	3	2	2	3	3	2	2	3	3	3	2.6
Average	3	2.4	2.2	2.8	2.2	2.2	1.4	2.2	2.2	2.2	2.28



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Course Name :		Design Studio - IV 33030501									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
301.1	2	2	3	2	3	2	2	3	2	3	2.4
301.2	3	3	2	2	1	2	1	2	1	2	1.9
301.3	3	1	1	2	3	1	2	2	2	2	1.9
301.4	2	2	2	1	1	2	3	1	3	1	1.8
301.5	3	1	2	2	2	3	2	2	2	2	2.1
Average	2.6	1.8	2	1.8	2	2	2	2	2	2	2.02
Course Name :		Interior Material & Construction - V 33030502									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
302.1	3	1	1	2	3	2	2	1	2	1	1.8
302.2	3	3	3	2	1	3	1	2	1	2	2.1
302.3	3	2	2	3	3	2	2	2	2	2	2.3
302.4	1	3	2	2	1	2	3	1	3	1	1.9
302.5	3	1	2	2	2	1	2	3	2	3	2.1
Average	2.6	2	2	2.2	2	2	2	1.8	2	1.8	2.04

Course Name :		Interior Services - III 33030503									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
303.1	1	1	1	2	3	2	2	1	2	1	1.6
303.2	2	3	3	1	1	3	1	2	1	2	1.9
303.3	3	1	2	3	3	2	2	2	2	2	2.2
303.4	2	3	2	2	1	2	3	1	3	1	2
303.5	3	1	2	2	1	2	1	3	1	3	1.9
Average	2.2	1.8	2	2	1.8	2.2	1.8	1.8	1.8	1.8	1.92





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Course Name :		Furniture Design - II 33030504									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
304.1	3	3	3	2	3	2	2	1	2	1	2.2
304.2	2	3	1	1	1	3	1	1	1	1	1.5
304.3	3	1	2	3	3	1	2	2	2	2	2.1
304.4	1	3	1	1	1	1	3	1	3	1	1.6
304.5	3	2	1	1	1	2	1	3	1	3	1.8
Average	2.4	2.4	1.6	1.6	1.8	1.8	1.8	1.6	1.8	1.6	1.84

Course Name :		Landscape in Interior Design 33030505									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
305.1	1	2	1	2	1	2	2	1	2	1	1.5
305.2	1	1	2	1	3	2	1	2	1	2	1.6
305.3	2	1	3	2	1	1	3	2	3	2	2
305.4	3	2	2	1	1	1	3	3	3	3	2.2
305.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.6	1.8	2	1.6	1.6	1.4	2.2	2	2.2	2	1.84

Course Name :		Computer Application - II 33030506									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
306.1	3	2	3	2	3	2	2	1	2	1	2.1
306.2	2	3	1	1	1	3	1	1	1	1	1.5
306.3	3	1	2	3	3	1	2	2	2	2	2.1
306.4	1	3	1	2	1	1	3	1	3	1	1.7
306.5	3	2	1	2	1	2	1	3	1	3	1.9
Average	2.4	2.2	1.6	2	1.8	1.8	1.8	1.6	1.8	1.6	1.86



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Course Name :		Design Studio - V (Working Drawing) 33030601									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
307.1	3	2	2	2	3	2	2	1	2	1	2
307.2	1	3	1	1	1	3	1	1	1	1	1.4
307.3	3	1	2	3	3	1	2	2	2	2	2.1
307.4	1	3	3	1	1	1	3	1	3	1	1.8
307.5	3	2	1	2	1	2	1	3	1	3	1.9
Average	2.2	2.2	1.8	1.8	1.8	1.8	1.8	1.6	1.8	1.6	1.84

Course Name :		Interior Material & Construction - VI 33030602									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
308.1	3	3	3	2	3	2	2	1	2	1	2.2
308.2	2	3	1	1	1	3	1	1	1	1	1.5
308.3	3	1	2	3	3	1	2	2	2	2	2.1
308.4	1	3	1	1	1	1	3	1	3	1	1.6
308.5	3	2	1	1	1	2	1	3	1	3	1.8
Average	2.4	2.4	1.6	1.6	1.8	1.8	1.8	1.6	1.8	1.6	1.84

Course Name :		Interior Services -IV 33030603									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
309.1	3	3	3	2	3	1	2	1	2	1	2.1
309.2	2	1	1	3	2	3	1	1	1	1	1.6
309.3	3	2	2	1	3	1	2	3	2	3	2.2
309.4	2	3	1	1	1	2	3	1	3	1	1.8
309.5	3	2	2	1	1	2	1	3	1	3	1.9
Average	2.6	2.2	1.8	1.6	2	1.8	1.8	1.8	1.8	1.8	1.92





Course Name :		Estimation & Costing 33030604									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
310.1	2	2	1	2	3	1	2	1	2	1	1.7
310.2	1	3	1	1	2	3	1	1	1	1	1.5
310.3	3	1	2	3	3	2	2	2	2	2	2.2
310.4	1	2	3	2	1	1	3	1	3	1	1.8
310.5	3	2	1	2	1	2	1	3	1	3	1.9
Average	2	2	1.6	2	2	1.8	1.8	1.6	1.8	1.6	1.82

Course Name :		Computer Application - III 33030605									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
311.1	2	2	1	2	1	2	2	1	2	1	1.6
311.2	1	1	2	2	3	2	1	2	1	2	1.7
311.3	3	1	3	2	1	3	3	2	3	2	2.3
311.4	2	2	2	3	3	2	3	3	3	3	2.6
311.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2.2	2	2.02

Course Name :		Elective - I 33030606									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
312.1	2	2	1	2	3	1	2	1	2	1	1.7
312.2	1	3	1	1	2	3	1	1	1	1	1.5
312.3	3	1	2	3	3	2	2	2	2	2	2.2
312.4	1	2	3	2	1	1	3	1	3	1	1.8
312.5	3	2	1	2	1	2	1	3	1	3	1.9
Average	2	2	1.6	2	2	1.8	1.8	1.6	1.8	1.6	1.82





Course Name :		Research Methodologies 33030702									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
401.1	2	2	1	2	1	2	2	1	2	1	1.6
401.2	1	1	2	2	3	2	1	2	1	2	1.7
401.3	3	1	3	2	1	3	3	2	3	2	2.3
401.4	2	2	2	3	3	2	3	3	3	3	2.6
401.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2.2	2	2.02

Course Name :		Interiors in Contemporary Practices 33030703									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
402.1	2	2	1	2	1	2	2	1	2	1	1.6
402.2	1	1	2	2	3	2	1	2	1	2	1.7
402.3	3	1	3	2	1	3	3	2	3	2	2.3
402.4	2	2	2	3	3	2	3	3	3	3	2.6
402.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2.2	2	2.02

Course Name :		Elective - II 33030704									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
403.1	2	2	1	2	1	2	2	1	2	1	1.6
403.2	1	1	2	2	3	2	1	2	1	2	1.7
403.3	3	1	3	2	1	3	3	2	3	2	2.3
403.4	2	2	2	3	3	2	3	3	3	3	2.6
403.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2.2	2	2.02





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Course Name :		Final Project 33030701									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
404.1	2	2	1	2	1	2	2	1	2	1	1.6
404.2	1	1	2	2	3	2	1	2	1	2	1.7
404.3	3	1	3	2	1	3	3	2	3	2	2.3
404.4	2	2	2	3	3	2	3	3	3	3	2.6
404.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2.2	2	2.02

Course Name :		Internship/Office training 33030801									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
405.1	2	2	1	2	1	2	2	1	2	1	1.6
405.2	1	1	2	2	3	2	1	2	1	2	1.7
405.3	3	1	3	2	1	3	3	2	3	2	2.3
405.4	2	2	2	3	3	2	3	3	3	3	2.6
405.5	1	3	2	2	2	1	2	2	2	2	1.9
Average	1.8	1.8	2	2.2	2	2	2.2	2	2.2	2	2.02



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Program Name- Bachelor of Architecture											
Course Name :		Foundation Studio (33000001)									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330000 01.1	3	2	1	2	1	2	2	3	3	3	2
330000 01.2	1	1	2	1	3	2	1	2	2	2	1.625
330000 01.3	2	1	3	2	1	3	3	2	2	2	2.125
330000 01.4	3	2	2	3	3	1	3	3	3	3	2.5
330000 01.5	2	3	2	2	2	1	2	2	2	2	2
330000 01.6	3	1	3	1	2	2	1	2	2	2	1.875
Average	2.3333	1.6667	2.1667	1.8333	2	1.8333	2	2.3333	2.3333	2.3333	2.020833
Course Name :		Building Material & Construction - I (33010101)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330101 01.1	3	2	1	2	1	2	2	3	3	3	2
330101 01.2	1	1	2	1	3	2	1	2	2	2	1.625
330101 01.3	2	1	3	2	1	3	3	2	2	2	2.125
330101 01.4	3	2	2	3	3	1	3	3	3	3	2.5
330101 01.5	2	3	2	2	2	1	2	2	2	2	2
330101 01.6	3	1	3	1	2	2	1	2	2	2	1.875
Average	2.3333	1.6667	2.1667	1.8333	2	1.8333	2	2.3333	2.3333	2.3333	2.020833





Course Name :		Technical Representation of Drawings - I (33010102)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010102.1	2	2	1	2	1	2	2	1	1	1	1.625
33010102.2	1	1	2	2	3	2	1	2	2	2	1.75
33010102.3	3	1	3	2	1	3	3	2	2	2	2.25
33010102.4	2	2	2	3	3	2	3	3	3	3	2.5
33010102.5	1	3	2	2	2	1	2	2	2	2	1.875
33010102.6	3	1	3	1	2	1	3	2	2	2	2
Average	2	1.6667	2.1667	2	2	1.8333	2.3333	2	2	2	2
Course Name :		Humanities (33010103)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010103.1	2	3	1	3	1	2	1	3	3	3	2
33010103.2	1	1	2	2	3	2	1	2	2	2	1.75
33010103.3	3	1	3	2	1	3	3	2	2	2	2.25
33010103.4	3	2	2	3	3	2	3	3	3	3	2.625
33010103.5	1	3	1	2	2	3	1	2	2	2	1.875
33010103.6	3	2	3	1	2	1	3	1	1	1	2
Average	2.1667	2	2	2.1667	2	2.1667	2	2.1667	2.1667	2.1667	2.08333





Course Name :		Design Communication (33000002)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330000 02.1	1	3	1	3	1	2	1	3	3	3	1.875
330000 02.2	2	2	2	2	3	1	3	2	2	2	2.125
330000 02.3	2	1	3	2	1	3	3	2	2	2	2.125
330000 02.4	1	2	2	3	3	2	3	1	1	1	2.125
330000 02.5	3	3	2	2	2	3	1	2	2	2	2.25
330000 02.6	3	2	3	1	2	1	3	3	3	3	2.25
Average	2	2.16667	2.16667	2.16667	2	2	2.33333	2.16667	2.16667	2.16667	2.125
Course Name :		Architecture Design - I (33010201)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330102 01.1	3	3	1	2	3	1	2	1	1	1	2
330102 01.2	2	1	2	3	3	2	3	2	2	2	2.25
330102 01.3	1	1	3	1	1	2	3	1	1	1	1.625
330102 01.4	3	2	1	3	3	1	3	3	3	3	2.375
330102 01.5	1	3	1	1	2	1	2	2	2	2	1.625
330102 01.6	3	1	3	3	2	2	3	2	2	2	2.375
Average	2.16667	1.83333	1.83333	2.16667	2.33333	1.5	2.66667	1.83333	1.83333	1.83333	2.04166667





Course Name :		Building Material & Construction - II (33010202)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010202.1	3	3	1	2	3	1	2	1	1	1	2
33010202.2	2	1	2	3	2	2	3	2	2	2	2.125
33010202.3	1	1	3	1	1	2	3	1	1	1	1.625
33010202.4	3	2	1	3	3	1	3	3	3	3	2.375
33010202.5	1	3	1	1	2	1	2	2	2	2	1.625
33010202.6	3	1	3	3	2	2	3	2	2	2	2.375
Average	2.16667	1.83333	1.83333	2.16667	2.16667	1.5	2.66667	1.83333	1.83333	1.83333	2.0208333
Course Name :		Technical Representation of Drawings - II (33010203)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010203.1	3	3	1	2	3	1	2	1	1	1	2
33010203.2	2	1	2	3	3	2	3	2	2	2	2.25
33010203.3	1	1	3	1	1	3	3	1	1	1	1.75
33010203.4	3	2	1	3	3	1	3	3	3	3	2.375
33010203.5	1	3	1	1	2	1	2	2	2	2	1.625
33010203.6	3	1	3	3	2	2	3	2	2	2	2.375
Average	2.16667	1.83333	1.83333	2.16667	2.33333	1.66667	2.66667	1.83333	1.83333	1.83333	2.0625





Course Name :		Structure - I (33010204)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010204.1	3	3	1	2	3	1	2	1	1	1	2
33010204.2	2	1	2	3	3	2	3	2	2	2	2.25
33010204.3	1	1	3	1	1	2	3	1	1	1	1.625
33010204.4	3	2	1	3	2	1	3	3	3	3	2.25
33010204.5	1	3	1	1	2	1	2	2	2	2	1.625
33010204.6	3	1	3	3	2	2	3	2	2	2	2.375
Average	2.16667	1.83333	1.83333	2.16667	2.16667	1.5	2.66667	1.83333	1.83333	1.83333	2.0208333
Course Name :		Basics Of Design (33010205)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010205.1	3	3	1	2	3	1	2	1	1	1	2
33010205.2	2	1	2	3	3	2	3	2	2	2	2.25
33010205.3	1	1	3	1	1	2	3	1	1	1	1.625
33010205.4	3	2	1	3	3	1	3	3	2	3	2.375
33010205.5	1	3	1	1	2	1	2	2	2	2	1.625
33010205.6	3	1	3	3	2	2	3	2	2	2	2.375
Average	2.16667	1.83333	1.83333	2.16667	2.33333	1.5	2.66667	1.83333	1.66667	1.83333	2.0416667





Course Name :		History of Architecture - I (33010206)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010206.1	3	3	1	2	3	1	2	1	1	1	2
33010206.2	2	1	2	3	3	2	2	2	2	2	2.125
33010206.3	1	1	3	1	1	2	3	1	1	1	1.625
33010206.4	3	2	1	3	3	1	2	3	3	3	2.25
33010206.5	1	3	1	1	2	1	2	2	2	2	1.625
33010206.6	3	1	3	3	2	2	3	2	2	2	2.375
Average	2.1667	1.8333	1.8333	2.1667	2.3333	1.5	2.3333	1.8333	1.8333	1.8333	2

Table 3.14: CO-PO matrix for all subjects of Second year Bachelor of Architecture

Course Name :		Architecture Design - II (33010301)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010301.1	2	2	1	2	1	2	2	1	1	1	1.625
33010301.2	1	1	2	2	3	2	1	2	2	2	1.75
33010301.3	3	1	3	2	1	3	3	2	2	2	2.25
33010301.4	2	2	2	3	2	2	2	3	3	3	2.25
33010301.5	1	3	2	2	2	1	2	2	2	2	1.875
33010301.6	3	1	3	1	2	1	3	2	2	2	2
Average	2	1.6667	2.1667	2	1.8333	1.8333	2.1667	2	2	2	1.958333





Course Name :		Building Material & Construction - III (33010302)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330103 02.1	3	1	2	2	3	1	2	1	1	1	1.875
330103 02.2	2	1	2	3	3	2	3	2	2	2	2.25
330103 02.3	1	1	1	1	1	1	1	1	1	1	1
330103 02.4	3	2	1	3	3	1	3	1	1	1	2.125
330103 02.5	1	3	1	1	1	1	2	1	1	1	1.375
330103 02.6	2	1	3	1	2	2	3	2	2	2	2
Average	2	1.5	1.6667	1.8333	2.1667	1.3333	2.3333	1.3333	1.3333	1.3333	1.770833
Course Name :		Structure - II (33010303)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330103 03.1	1	2	1	2	1	2	2	1	1	1	1.5
330103 03.2	1	1	2	1	2	2	1	2	2	2	1.5
330103 03.3	2	1	3	2	1	1	3	2	2	2	1.875
330103 03.4	3	2	2	1	1	1	3	3	2	3	2
330103 03.5	1	3	2	2	2	1	2	2	2	2	1.875
330103 03.6	3	1	1	1	2	2	1	2	2	2	1.625
Average	1.8333	1.6667	1.8333	1.5	1.5	1.5	2	2	1.8333	2	1.729167





Course Name :		Environment Science & Services - I (33010304)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010304.1	3	2	1	2	1	2	2	3	3	3	2
33010304.2	1	1	2	1	3	2	1	2	2	2	1.625
33010304.3	2	1	3	2	1	3	3	2	2	2	2.125
33010304.4	3	2	2	3	2	1	3	3	2	3	2.375
33010304.5	2	3	2	2	2	1	2	2	2	2	2
33010304.6	3	1	3	1	2	2	1	2	2	2	1.875
Average	2.3333	1.6667	2.1667	1.8333	1.8333	1.8333	2	2.3333	2.1667	2.3333	2
Course Name :		History of Architecture - II (33010305)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010305.1	2	2	1	2	1	2	2	1	1	1	1.625
33010305.2	1	1	2	2	3	2	1	2	2	2	1.75
33010305.3	3	3	3	2	1	3	3	2	2	2	2.5
33010305.4	2	2	2	3	2	2	3	3	2	3	2.375
33010305.5	1	3	2	2	2	1	2	2	2	2	1.875
33010305.6	3	1	3	1	2	1	3	2	2	2	2
Average	2	2	2.1667	2	1.8333	1.8333	2.3333	2	1.8333	2	2.0208333





Course Name :		Computer Applications - I (33010306)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010306.1	2	2	1	2	2	2	2	3	3	2	2
33010306.2	3	3	2	2	1	2	1	2	2	2	2
33010306.3	3	1	1	2	3	1	2	2	2	2	1.875
33010306.4	2	2	2	1	1	2	3	1	1	1	1.75
33010306.5	3	1	2	2	2	3	2	2	2	2	2.125
33010306.6	1	3	1	3	2	1	3	2	2	2	2
Average	2.3333	2	1.5	2	1.8333	1.8333	2.1667	2	2	1.8333	1.958333
Course Name :		Architecture Design - III (33010401)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010401.1	2	2	2	2	1	2	2	3	2	3	2
33010401.2	3	3	1	1	2	1	1	2	2	2	1.75
33010401.3	3	1	2	1	3	2	2	2	2	2	2
33010401.4	2	2	3	2	2	3	3	1	1	1	2.25
33010401.5	3	1	2	3	2	2	2	2	2	2	2.125
33010401.6	1	3	3	1	3	1	3	2	2	2	2.125
Average	2.3333	2	1.5	2	1.8333	1.8333	2.1667	2	2	1.8333	1.958333





Course Name :		Building Material & Construction - IV (33010402)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330104 02.1	1	2	1	2	3	2	2	3	3	2	2
330104 02.2	2	3	2	2	1	3	1	2	2	2	2
330104 02.3	3	1	2	2	3	1	2	3	3	3	2.125
330104 02.4	2	2	2	1	1	2	3	1	1	1	1.75
330104 02.5	2	1	2	2	2	3	2	2	2	2	2
330104 02.6	1	3	1	3	2	1	3	2	2	2	2
Average	1.8333	2	1.6667	2	2	2	2.1667	2.1667	2.1667	2	1.9791667

Course Name :		Structure - III (33010403)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330104 03.1	2	2	1	2	1	2	2	1	1	1	1.625
330104 03.2	1	1	2	2	3	2	1	2	2	2	1.75
330104 03.3	3	3	3	2	1	3	3	2	2	2	2.5
330104 03.4	2	2	2	3	3	2	3	3	3	3	2.5
330104 03.5	1	3	2	2	2	1	2	2	2	2	1.875
330104 03.6	3	1	3	1	2	1	3	2	2	2	2
Average	2	2	2.1667	2	2	1.8333	2.3333	2	2	2	2.0416667





Course Name :		Environment Science & Services - II (33010404)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330104 04.1	2	2	2	2	3	2	2	3	3	2	2.25
330104 04.2	3	3	2	2	1	2	1	2	2	2	2
330104 04.3	3	1	1	2	3	1	2	2	2	2	1.875
330104 04.4	2	2	2	1	1	2	3	1	1	1	1.75
330104 04.5	3	1	2	2	2	3	2	2	2	2	2.125
330104 04.6	1	3	1	3	2	1	3	2	2	2	2
Average	2.3333	2	1.6667	2	2	1.8333	2.1667	2	2	1.8333	2
Course Name :		History of Architecture - III (33010405)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330104 05.1	3	1	1	2	3	2	2	1	1	1	1.875
330104 05.2	3	3	3	2	1	3	1	2	2	2	2.25
330104 05.3	3	2	2	2	3	2	2	2	2	2	2.25
330104 05.4	1	3	2	2	1	2	3	1	1	1	1.875
330104 05.5	3	1	2	2	2	1	2	3	2	3	2
330104 05.6	2	3	1	1	2	2	3	2	2	2	2
Average	2.5	2.1667	1.8333	1.8333	2	2	2.1667	1.8333	1.6667	1.8333	2.041667





Course Name :		Computer Applications - II (33010406)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010406.1	1	1	1	2	3	2	2	1	1	1	1.625
33010406.2	2	3	3	1	1	2	1	2	2	2	1.875
33010406.3	3	1	2	3	3	2	2	2	2	2	2.25
33010406.4	2	3	2	2	1	2	3	1	1	1	2
33010406.5	3	1	2	2	1	2	1	2	3	3	1.75
33010406.6	2	3	1	2	2	2	3	2	2	2	2.125
Average	2.1667	2	1.8333	2	1.8333	2	2	1.6667	1.8333	1.8333	1.9375

Table 3.14: CO-PO matrix for all subjects of Third year Bachelor of Architecture

Course Name :		Architecture Design - IV (33010501)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010501.1	3	3	3	2	3	2	2	1	1	1	2.375
33010501.2	2	3	1	1	1	3	1	1	1	1	1.625
33010501.3	3	1	2	2	3	1	2	2	2	2	2
33010501.4	1	3	1	1	1	1	3	1	1	1	1.5
33010501.5	3	2	1	1	1	2	1	3	3	3	1.75
33010501.6	2	3	1	2	2	2	2	2	2	2	2
Average	2.3333	2.5	1.5	1.5	1.8333	1.8333	1.8333	1.6667	1.6667	1.6667	1.875





Course Name :		Building Material & Construction - V (33010502)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010502.1	1	2	1	2	1	2	2	1	1	1	1.5
33010502.2	1	1	2	1	2	2	1	2	2	2	1.5
33010502.3	2	1	3	2	1	1	3	2	2	2	1.875
33010502.4	3	2	2	1	1	1	3	2	3	3	1.875
33010502.5	1	3	2	2	2	1	2	2	2	2	1.875
33010502.6	3	1	1	1	2	2	1	2	2	2	1.625
Average	1.8333	1.6667	1.8333	1.5	1.5	1.5	2	1.8333	2	2	1.708333
Course Name :		Structure - IV (33010503)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010503.1	3	2	3	2	3	2	2	1	1	1	2.25
33010503.2	2	3	1	1	1	3	1	1	1	1	1.625
33010503.3	3	1	2	2	3	1	2	2	2	2	2
33010503.4	1	3	1	2	1	1	2	1	1	1	1.5
33010503.5	3	2	1	2	1	2	1	3	3	3	1.875
33010503.6	2	3	1	2	2	2	3	2	2	2	2.125
Average	2.3333	2.3333	1.5	1.8333	1.8333	1.8333	1.8333	1.6667	1.6667	1.6667	1.895833





Course Name :		Environment Science & Services - III (33010504)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010504.1	3	2	2	2	3	2	2	1	1	1	2.125
33010504.2	1	3	1	1	1	3	1	1	1	1	1.5
33010504.3	3	1	2	2	3	1	2	2	2	2	2
33010504.4	1	3	3	1	1	1	3	1	1	1	1.75
33010504.5	3	2	1	2	1	2	1	3	2	3	1.875
33010504.6	1	3	3	1	2	1	3	2	2	2	2
Average	2	2.3333	2	1.5	1.8333	1.6667	2	1.6667	1.5	1.6667	1.875
Course Name :		History of Architecture - IV (33010505)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010505.1	3	3	3	2	3	2	2	1	1	1	2.375
33010505.2	2	3	1	1	1	3	1	1	1	1	1.625
33010505.3	3	1	2	2	3	1	2	2	2	2	2
33010505.4	1	3	1	1	1	1	3	1	1	1	1.5
33010505.5	3	2	1	1	1	2	1	3	2	3	1.75
33010505.6	2	3	1	2	2	2	3	2	2	2	2.125
Average	2.3333	2.5	1.5	1.5	1.8333	1.8333	2	1.6667	1.5	1.6667	1.8958333





Course Name :		Computer Applications - III (33010506)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010506.1	3	3	3	2	3	1	2	1	1	1	2.25
33010506.2	2	1	1	3	2	3	1	1	1	1	1.75
33010506.3	3	2	2	1	3	1	2	3	2	3	2.125
33010506.4	2	2	1	1	1	2	3	1	1	1	1.625
33010506.5	3	2	2	1	1	2	1	3	3	3	1.875
33010506.6	2	3	1	2	2	2	3	2	2	2	2.125
Average	2.5	2.1667	1.6667	1.6667	2	1.8333	2	1.8333	1.6667	1.8333	1.958333

Course Name :		Architecture Design -V (33010601)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010601.1	3	3	3	2	3	2	2	1	1	1	2.375
33010601.2	2	3	1	1	1	3	1	1	1	1	1.625
33010601.3	3	1	2	2	3	1	2	2	2	2	2
33010601.4	1	3	1	1	1	1	3	1	1	1	1.5
33010601.5	3	2	1	1	1	2	1	3	3	3	1.75
33010601.6	2	3	1	2	2	2	2	2	2	2	2
Average	2.3333	2.5	1.5	1.5	1.8333	1.8333	1.8333	1.6667	1.6667	1.6667	1.875





Course Name :		Building Material & Construction - VI (33010602)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010602.1	1	2	1	2	1	2	2	1	1	1	1.5
33010602.2	1	1	2	1	2	2	1	2	2	2	1.5
33010602.3	2	1	3	2	1	1	3	2	2	2	1.875
33010602.4	3	2	2	1	1	1	3	2	3	3	1.875
33010602.5	1	3	2	2	2	1	2	2	2	2	1.875
33010602.6	3	1	1	1	2	2	1	2	2	2	1.625
Average	1.8333	1.6667	1.8333	1.5	1.5	1.5	2	1.8333	2	2	1.708333
Course Name :		Structure - V (33010603)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010603.1	3	2	3	2	3	2	2	1	1	1	2.25
33010603.2	2	3	1	1	1	3	1	1	1	1	1.625
33010603.3	3	1	2	2	3	1	2	2	2	2	2
33010603.4	1	3	1	2	1	1	2	1	1	1	1.5
33010603.5	3	2	1	2	1	2	1	3	3	3	1.875
33010603.6	2	3	1	2	2	2	3	2	2	2	2.125
Average	2.3333	2.3333	1.5	1.8333	1.8333	1.8333	1.8333	1.6667	1.6667	1.6667	1.895833





Course Name :		Environment Science & Services - IV(33010604)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330106 04.1	3	2	2	2	3	2	2	1	1	1	2.125
330106 04.2	1	3	1	1	1	3	1	1	1	1	1.5
330106 04.3	3	1	2	2	3	1	2	2	2	2	2
330106 04.4	1	3	3	1	1	1	3	1	1	1	1.75
330106 04.5	3	2	1	2	1	2	1	3	2	3	1.875
330106 04.6	1	3	3	1	2	1	3	2	2	2	2
Average	2	2.3333	2	1.5	1.8333	1.6667	2	1.6667	1.5	1.6667	1.875
Course Name :		History of Architecture - V (33010605)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
330106 05.1	3	3	3	2	3	2	2	1	1	1	2.375
330106 05.2	2	3	1	1	1	3	1	1	1	1	1.625
330106 05.3	3	1	2	2	3	1	2	2	2	2	2
330106 05.4	1	3	1	1	1	1	3	1	1	1	1.5
330106 05.5	3	2	1	1	1	2	1	3	2	3	1.75
330106 05.6	2	3	1	2	2	2	3	2	2	2	2.125
Average	2.3333	2.5	1.5	1.5	1.8333	1.8333	2	1.6667	1.5	1.6667	1.8958333





Course Name :		Computer Applications - IV (33010606)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010606.1	3	3	3	2	3	1	2	1	1	1	2.25
33010606.2	2	1	1	3	2	3	1	1	1	1	1.75
33010606.3	3	2	2	1	3	1	2	3	2	3	2.125
33010606.4	2	2	1	1	1	2	3	1	1	1	1.625
33010606.5	3	2	2	1	1	2	1	3	3	3	1.875
33010606.6	2	3	1	2	2	2	3	2	2	2	2.125
Average	2.5	2.16667	1.66667	1.66667	2	1.83333	2	1.83333	1.66667	1.83333	1.958333

Table 3.14: CO-PO matrix for all subjects of Fourth year Bachelor of Architecture

Course Name :		Architectural Design- VI (33010701)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010701.1	2	2	1	2	3	1	2	1	1	1	1.75
33010701.2	1	3	1	1	2	3	1	1	1	1	1.625
33010701.3	3	1	2	3	2	2	2	2	2	2	2.125
33010701.4	1	2	3	2	1	1	3	1	1	1	1.75
33010701.5	3	2	1	2	1	2	1	3	3	2	1.875
33010701.6	1	1	2	1	2	1	3	2	2	2	1.625
Average	1.83333	1.83333	1.66667	1.83333	1.83333	1.66667	2	1.66667	1.66667	1.5	1.79166667





Course Name :		Theory of Architecture (33010702)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010702.1	2	2	1	2	1	2	2	1	1	1	1.625
33010702.2	1	1	2	2	3	2	1	2	2	2	1.75
33010702.3	3	1	3	2	1	3	3	2	2	2	2.25
33010702.4	2	2	2	2	3	2	3	3	3	2	2.375
33010702.5	1	3	2	2	2	1	2	2	2	2	1.875
33010702.6	3	1	3	1	2	1	3	2	2	2	2
Average	2	1.66667	2.16667	1.83333	2	1.83333	2.33333	2	2	1.83333	1.97916667
Course Name :		Site Planning (33010703)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010703.1	2	2	1	2	3	1	2	1	1	1	1.75
33010703.2	1	3	1	1	2	3	1	1	1	1	1.625
33010703.3	3	1	2	3	2	2	2	2	2	2	2.125
33010703.4	1	2	3	2	1	1	3	1	1	1	1.75
33010703.5	3	2	1	2	1	2	1	3	3	2	1.875
33010703.6	1	1	2	1	2	1	3	2	2	2	1.625
Average	1.83333	1.83333	1.66667	1.83333	1.83333	1.66667	2	1.66667	1.66667	1.5	1.79166667





Course Name :		Design Seminar-I (33010704)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010704.1	2	2	1	2	1	2	2	1	1	1	1.625
33010704.2	1	1	2	2	3	2	1	2	2	2	1.75
33010704.3	3	1	2	2	1	3	3	2	2	2	2.125
33010704.4	2	2	2	3	3	2	3	3	3	2	2.5
33010704.5	1	3	2	2	2	1	2	2	2	2	1.875
33010704.6	3	1	3	1	2	1	3	2	2	2	2
Average	2	1.66667	2	2	2	1.83333	2.33333	2	2	1.83333	1.97916667
Course Name :		Construction Management (33010705)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010705.1	2	2	1	2	1	2	2	1	1	1	1.625
33010705.2	1	1	2	2	3	2	1	2	2	2	1.75
33010705.3	3	1	2	2	1	3	3	2	2	2	2.125
33010705.4	2	2	2	3	3	2	3	2	3	2	2.375
33010705.5	1	3	2	2	2	1	2	2	2	2	1.875
33010705.6	3	1	3	1	2	1	3	2	2	2	2
Average	2	1.66667	2	2	2	1.83333	2.33333	1.83333	2	1.83333	1.95833333





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Course Name :		Office Training (33010801)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
33010801.1	2	2	1	2	1	2	2	1	1	1	1.625
33010801.2	1	1	2	2	3	2	1	2	2	2	1.75
33010801.3	3	1	2	2	1	3	3	2	2	2	2.125
33010801.4	2	2	2	3	3	2	3	2	3	2	2.375
33010801.5	1	3	2	2	2	1	2	2	2	2	1.875
33010801.6	3	1	3	1	2	1	3	2	2	2	2
Average	2	1.66667	2	2	2	1.83333	2.33333	1.83333	2	1.83333	1.95833333



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SWARNIM SCHOOL OF DESIGN											
PROGRAM NAME:- MPLAN											
YEAR: - 1ST - 2ND/FINAL YEAR											
THIS DATA IS COMPILED FROM CRITERIA 1.1.1											
Course Name :		PLANNING HISTORY & THEORY-34010101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
34010101.1	3	2	3	1	2	2	1	1	1	2	1.8
34010101.2	2	1	2	1	2	3	1	1	1	1	1.5
34010101.3	3	3	3	2	2	2	1	1	1	2	2
34010101.4	2	2	3	1	3	2	1	1	1	1	1.7
34010101.5	2	2	3	2	2	2	1	2	1	2	1.9
34010101.6	2	1	2	1	2	3	3	2	2	1	1.9
34010101.7	2	3	3	2	2	2	2	2	2	2	2.2
Average	2.333	1.8333	2.666	1.3333	2.1666	2.3333	1.3333	1.333	1.1666	1.5	1.8
Course Name :		SOCIO-ECONOMIC BASIS OF PLANNING-34010102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
34010102.1	3	2	3	1	2	2	1	1	1	2	1.8
34010102.2	2	1	2	1	2	3	1	1	1	1	1.5
34010102.3	3	3	3	2	2	2	1	1	1	2	2
34010102.4	2	2	3	1	3	2	1	1	1	1	1.7
34010102.5	2	2	3	2	2	2	1	2	1	2	1.9
34010102.6	2	1	2	1	2	3	3	2	2	1	1.9
34010102.7	2	3	3	2	2	2	2	2	2	2	2.2
Average	2.3333	1.8333	2.6666	1.3333	2.1666	2.3333	1.3333	1.3333	1.1666	1.5	1.8





Course Name :		PLANNING TECHNIQUES-34010103									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
34010103.1	3	2	3	1	2	2	1	1	1	2	1.8
34010103.2	2	3	2	1	2	3	1	3	1	1	1.9
34010103.3	3	3	3	2	2	2	1	3	1	2	2.2
34010103.4	3	2	3	2	3	2	1	2	2	2	2.2
34010103.5	2	2	3	2	2	2	1	2	1	2	1.9
34010103.6	2	1	2	3	2	3	2	2	2	1	2
34010103.7	3	3	3	2	2	2	3	3	2	2	2.5
Average	2.5714	2.2857	2.7142	1.8571	2.1428	2.285	1.4285	2.2857	1.4285	1.71424	2.0714
Course Name :		INFRASTRUCTURE & TRANSPORTATION PLANNING-34010104									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	Overall CO average
34010104.1	3	2	3	1	2	2	1	1	1	2	1.8
34010104.2	2	3	3	1	2	3	1	2	1	1	1.9
34010104.3	3	3	3	2	2	2	1	3	1	2	2.2
34010104.4	3	2	3	2	3	2	1	2	2	2	2.2
34010104.5	2	2	3	2	2	2	1	2	1	2	1.9
34010104.6	2	1	3	2	2	3	2	2	2	1	2
34010104.7	3	3	3	3	2	2	2	2	2	2	2.4
Average	2.5714	2.2857	3	1.8571	2.1428	2.2857	1.2857	2	1.4285	1.7142	2.0571





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Course Name : HOUSING & ENVIORNMENT PLANNING-34010105

CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010105.1	3	1	3	1	1	1.8
34010105.2	3	3	1	1	1	1.8
34010105.3	1	3	3	1	1	1.8
34010105.4	1	3	1	2	1	1.6
34010105.5	3	1	3	1	2	2
Average	2.2	2.2	2.2	1.2	1.2	1.8

Course Name : STUDIO-SEMESTER 1-34010106

CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010106.1	3	3	2	2	2	2.4
34010106.2	2	3	3	2	2	2.4
34010106.3	2	3	3	3	2	2.6
34010106.4	2	2	2	3	2	2.2
34010106.5	2	2	2	2	3	2.2
Average	2.2	2.6	2.4	2.4	2.2	2.36

Course Name : CITY METROPOLITAN PLANNING -34010201

CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010201.1	3	1	3	1	1	1.8
34010201.2	3	3	1	1	1	1.8
34010201.3	3	3	3	1	1	2.2
34010201.4	1	3	1	2	1	1.6
34010201.5	3	1	3	1	2	2
Average	2.6	2.2	2.2	1.2	1.2	1.88



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Course Name :		INFRASTRUCTURE PLANNING -34010202				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010202.1	3	1	3	1	1	1.8
34010202.2	3	3	1	1	1	1.8
34010202.3	3	3	3	1	1	2.2
34010202.4	1	3	1	2	1	1.6
34010202.5	3	1	3	1	2	2
Average	2.6	2.2	2.2	1.2	1.2	1.88
Course Name :		URBAN HERITAGE CONSERVATION-34010203				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010203.1	3	1	3	1	1	1.8
34010203.2	3	3	1	1	1	1.8
34010203.3	3	3	3	1	1	2.2
34010203.4	1	3	3	2	1	2
34010203.5	3	1	1	1	2	1.6
Average	2.6	2.2	2.2	1.2	1.2	1.88
Course Name :		ADVANCE PLANNING TECHNIQUES-34010204				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010204.1	3	3	1	1	1	1.8
34010204.2	3	3	3	1	1	2.2
34010204.3	3	3	3	1	1	2.2
34010204.4	3	3	1	2	1	2
34010204.5	1	1	1	3	3	1.8
Average	2.6	2.6	1.8	1.6	1.4	2





Course Name :		STUDIO-SEMESTER 2-34010205				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010205.1	3	1	3	1	1	1.8
34010205.2	3	3	1	1	1	1.8
34010205.3	1	1	3	3	1	1.8
34010205.4	3	3	1	1	1	1.8
34010205.5	1	1	1	3	3	1.8
Average	2.2	1.8	1.8	1.8	1.4	1.8
Electives						
Course Name :		Elective -01	Inclusive Urban Planning-34010206			
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010206.1	3	3	2	2	2	2.4
34010206.2	2	3	3	2	2	2.4
34010206.3	2	3	3	3	2	2.6
34010206.4	2	3	2	3	2	2.4
34010206.5	2	2	2	2	3	2.2
Average	2.2	2.8	2.4	2.4	2.2	2.4
Course Name :		Elective -02	Planning for Tourism-34010207			
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010207.1	3	3	2	2	2	2.4
34010207.2	2	3	3	2	2	2.4
34010207.3	2	3	3	3	2	2.6
34010207.4	2	3	2	2	2	2.2
34010207.5	2	2	2	2	3	2.2
Average	2.2	2.8	2.4	2.2	2.2	2.36





Course Name :		URBAN DEVELOPMENT MANAGEMENT-34010301				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010301.1	3	1	3	1	1	1.8
34010301.2	3	3	1	1	1	1.8
34010301.3	3	3	3	1	1	2.2
34010301.4	1	3	1	2	1	1.6
34010301.5	3	1	3	1	2	2
Average	2.6	2.2	2.2	1.2	1.2	1.88
Course Name :		PROJECT PLANNING & MANAGEMENT-34010302				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010302.1	3	2	2	3	1	2.2
34010302.2	3	3	1	3	2	2.4
34010302.3	1	2	3	3	1	2
34010302.4	2	3	3	3	2	2.6
34010302.5	3	3	1	3	2	2.4
Average	2.6	2.2	2.2	1.2	1.2	1.88
Course Name :		URBAN GOVERNANCE-34010303				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010303.1	3	1	3	1	1	1.8
34010303.2	3	3	1	1	1	1.8
34010303.3	3	3	1	2	1	2
34010303.4	3	1	3	1	2	2
34010303.5	1	3	1	3	3	2.2
Average	2.6	2.2	1.8	1.6	1.6	1.96





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Course Name :		Politics & Planning-34010304				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010304.1	3	1	3	1	1	1.8
34010304.2	3	3	1	1	1	1.8
34010304.3	3	3	1	2	1	2
34010304.4	3	1	3	1	2	2
34010304.5	1	3	1	3	3	2.2
Average	2.6	2.2	1.8	1.6	1.6	1.96
Course Name :		STUDIO -SEMESTER 3-34010305				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010305.1	3	3	2	2	1	2.2
34010305.2	3	3	2	2	1	2.2
34010305.3	2	3	2	3	2	2.4
34010305.4	1	2	2	3	3	2.2
34010305.5	2	3	1	3	3	2.4
Average	2.2	2.8	1.8	2.6	2	2.28
Course Name :		ENVIORNMENT DEVELOPMENT & DISATER MANAGEMENT-34010306				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010306.1	3	3	2	2	2	2.4
34010306.2	2	3	3	2	2	2.4
34010306.3	2	3	3	3	2	2.6
34010306.4	2	3	2	3	2	2.4
34010306.5	2	2	2	2	3	2.2
Average	2.2	2.8	2.4	2.4	2.2	2.4



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Course Name :		CLIMATE CHANGE & URBAN DEVELOPMENT -34010306				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010307.1	3	3	2	2	1	2.2
34010307.2	2	3	2	2	2	2.2
34010307.3	2	3	3	2	2	2.4
34010307.4	2	2	3	2	2	2.2
34010307.5	1	2	2	3	2	2
Average	2	2.6	2.4	2.2	1.8	2.2
Course Name :		DEVELOPMENT FINANCE-34010401				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010401.1	3	2	1	2	1	1.8
34010401.2	2	3	1	3	2	2.2
34010401.3	2	3	2	2	2	2.2
34010401.4	3	2	1	3	2	2.2
34010401.5	2	3	1	2	3	2.2
Average	2.4	2.6	1.2	2.4	2	2.12
Course Name :		LEGAL ISSUES & PROFESSIONAL PRACTICE-34010402				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010402.1	3	2	3	2	3	2.6
34010402.2	3	3	1	1	1	1.8
34010402.3	2	1	2	3	3	2.2
34010402.4	2	3	1	1	1	1.6
34010402.5	1	2	1	1	1	1.2
Average	2.2	2.2	1.6	1.6	1.8	1.88



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Course Name :		THESIS-34010403				
CO	PO1	PO2	PO3	PO4	PO5	Overall CO average
34010403.1	3	3	2	2	2	2.4
34010403.2	3	3	2	1	1	2
34010403.3	2	3	3	2	1	2.2
34010403.4	2	3	2	3	2	2.4
34010403.5	1	2	2	3	3	2.2
Average	2.2	2.8	2.2	2.2	1.8	2.24



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B.Sc. Biotechnology

COURSE :		Introduction to Biotechnology 253010101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	1	1	3	1	1	3	1	3	1	1.7
CO2	3	2	2	2	1	1	3	2	3	3	2.2
CO3	3	2	2	2	1	1	3	2	3	2	2.1
CO4	3	3	3	3	2	2	3	2	3	3	2.7
CO5	3	3	3	3	2	2	3	3	3	3	2.8
CO6	3	3	3	3	2	2	3	3	3	3	2.8
AVG	2.83	2.33	2.33	2.67	1.50	1.50	3.00	2.17	3.00	2.50	2.38
COURSE :		Biotechnology Practicals 253010102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	2	2	3	3	3	3	2.8
CO2	3	3	3	3	2	2	2	3	3	3	2.8
CO3	3	3	3	3	2	3	3	3	3	3	2.8
CO4	3	3	3	3	2	3	3	3	3	3	2.8
CO5	3	3	3	3	2	3	3	3	3	3	2.5
CO6	3	3	3	3	3	3	3	3	3	3	3
AVG	3.00	2.83	3.00	3.00	2.17	2.67	2.83	3.00	3.00	3.00	
COURSE :		Basic Chemistry-1 253020101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	2	1	1	2	1	2	1	1.67
CO2	3	3	3	12	1	12	1	12	1	2	2
CO3	3	2	1	3	1	1	2	1	3	1	2.5
CO4	1	3	3	3	2	1	3	3	2	1	2.75
CO5	3	3	3	3	1	3	2	1	3	3	2.75
CO6	2	1	1	3	2	3	1	2	3	2	2.4
AVG	3	2	2	4	1	4	2	3	2	2	
COURSE :		Chemistry Practicals 253020102									
CO	PO1	PO2	TOTAL	FAIL	EXT	INT	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	16	0	1	1	2	1	3	1	2
CO2	3	3	16	0	3	2	1	2	3	2	1.8
CO3	1	1	16	0	1	1	2	1	3	1	1.8
CO4	3	3	16	0	2	1	3	3	3	1	1.5
CO5	3	3	16	0	1	3	2	1	2	3	1.5
CO6	2	1	16	3	2	3	1	2	3	2	1.7
AVG	2.50	2.17	16.00	0.50	1.67	1.83	1.83	1.67	2.83	1.67	





COURSE :		Introduction to Microbial world 253040101									
CO	PO1	PO2	16	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	2	2	1	1	1	2	3	1	1.3
CO2	3	3	3	2	1	2	1	2	3	2	1.3
CO3	3	3	3	2	1	2	2	3	2	2	1.3
CO4	3	3	2	3	1	1	1	3	2	1	1
CO5	3	3	2	2	3	1	1	3	2	1	1.3
CO6	3	3	3	3	2	3	2	3	3	2	1.3
AVG	3.00	3.00	2.50	2.33	1.50	1.67	1.33	2.67	2.50	1.50	
COURSE :		Microbiology Practicals 253040102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	1	2	1	3	2	1	1.3
CO2	2	2	3	2	1	2	2	3	1	2	1.3
CO3	2	3	3	2	2	1	3	3	1	3	1.3
CO4	3	3	2	3	2	1	2	3	2	1	1
CO5	3	2	3	2	2	1	1	3	1	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	2.50	2.50	2.83	2.17	1.67	1.33	2.00	3.00	1.33	1.83	
COURSE :		English-1 253000102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	2	1	2	1	1	1	1	2	1	1.3
CO2	2	2	1	2	1	2	2	3	1	1	1.3
CO3	1	1	3	2	1	1	3	1	1	3	1.3
CO4	1	3	1	3	2	1	2	3	2	1	1
CO5	1	2	1	2	2	1	1	3	1	1	1.3
CO6	2	3	3	2	2	1	3	1	1	3	1.3
AVG	1.33	2.17	1.67	2.17	1.50	1.17	2.00	2.00	1.33	1.67	
COURSE :		Environmental Science 253000101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	1	2	1	2	1	1	1	1	1.3
CO3	1	1	1	1	1	1	2	1	1	2	1.3
CO4	1	1	1	1	1	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.50	1.67	1.50	1.33	1.17	1.50	1.67	1.33	1.50	





COURSE :		Orientation Program in Start-up and Entrepreneurship 12300009									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.67	1.83	1.50	1.67	1.17	1.50	1.83	1.50	1.67	

SEMESTER II

COURSE :		253010201 Origin & Evolution of life									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	3	3	3	3	3	3	1.3
CO2	3	2	3	3	2	3	3	2	3	3	1.3
CO3	3	2	3	3	3	3	3	2	3	3	1.3
CO4	3	2	3	3	3	3	3	2	3	3	1
CO5	3	2	3	3	3	3	3	2	3	3	1.3
CO6	3	3	3	3	3	3	3	2	3	3	1.3
AVG	3.00	2.17	3.00	3.00	2.83	3.00	3.00	2.17	3.00	3.00	

COURSE :		253010202 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	3	2	2	2	3	3	2	1.3
CO2	3	3	3	3	2	2	2	3	3	2	1.3
CO3	3	3	3	3	2	2	2	3	3	2	1.3
CO4	3	3	3	3	2	2	2	3	3	2	1
CO5	3	3	3	3	2	2	2	3	3	2	1.3
CO6	3	3	2	3	2	2	2	3	3	2	1.3
AVG	3.00	3.00	2.83	3.00	2.00	2.00	2.00	3.00	3.00	2.00	

COURSE :		253020201 Basic Chemistry-2									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	3	1	3	2	1	3	1	1.3
CO2	1	3	3	1	3	2	1	2	1	2	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	2	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	2.00	2.33	1.83	2.00	2.00	2.00	1.83	1.67	2.00	1.83	





COURSE :		253020202 Chemistry Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	2	1	3	2	1	3	1	1.3
CO2	1	3	3	2	1	2	1	2	1	3	1.3
CO3	3	2	3	3	2	1	2	1	3	1	1.3
CO4	1	3	2	1	3	1	3	3	2	1	1
CO5	3	3	3	3	1	3	2	1	1	3	1.3
CO6	2	1	1	3	2	3	1	3	3	2	1.3
AVG	2.17	2.33	2.17	2.33	1.67	2.17	1.83	1.83	2.17	1.83	
COURSE :		253040201 Basic Bacteriology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	1	1	2	3	1	1.3
CO2	3	3	2	2	1	1	1	2	3	1	1.3
CO3	3	2	2	2	1	1	1	2	3	1	1.3
CO4	2	3	2	3	2	1	1	3	3	1	1
CO5	2	3	2	2	3	1	1	2	3	1	1.3
CO6	2	3	2	3	3	1	1	2	3	1	1.3
AVG	2.50	2.67	2.00	2.33	1.83	1.00	1.00	2.17	3.00	1.00	
COURSE :		253040202 Microbiology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	1	1	3	2	1	1.3
CO2	3	3	3	2	1	1	1	3	2	1	1.3
CO3	3	2	3	2	1	1	1	3	2	1	1.3
CO4	2	2	3	2	1	1	1	3	2	1	1
CO5	2	2	3	2	1	1	1	3	2	1	1.3
CO6	3	2	2	2	1	1	1	3	2	1	1.3
AVG	2.67	2.17	2.67	2.00	1.00	1.00	1.00	3.00	2.00	1.00	
COURSE :		253000201 Environmental Conservation and Hazard Management(ECHM)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	2	2	1	1	3	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	2	1	1	1	1
CO5	3	2	3	2	2	1	1	3	1	1	1.3
CO6	2	3	3	2	1	1	3	3	1	3	1.3
AVG	1.83	1.67	1.83	1.50	1.67	1.17	1.67	1.83	1.33	1.67	





COURSE :		253000202 English-2									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	2	2	1	2	2	2	2	1.3
CO4	2	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.83	1.67	1.83	1.67	1.67	1.17	1.50	2.00	1.50	1.67	
COURSE :		12300010 Basic Program in Entrepreneurship									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	2	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	2	1	1	1	2	2	1	1	2	1	1
CO5	3	2	3	2	2	1	1	3	2	2	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.83	1.67	1.83	1.50	1.67	1.33	1.50	1.83	1.67	2.00	
Semester III											
COURSE :		253010301 Cellular Biology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	2	2	3	2	1.3
CO2	3	3	2	3	1	2	2	2	3	2	1.3
CO3	3	3	2	3	1	2	2	2	3	2	1.3
CO4	3	3	2	3	1	2	2	2	3	2	1
CO5	3	3	2	3	1	2	2	2	3	2	1.3
CO6	3	3	2	3	1	2	2	2	3	2	1.3
AVG	3.00	2.83	2.00	3.00	1.00	2.00	2.00	2.00	3.00	2.00	
COURSE :		253010302 Molecular Biology-I									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	2	3	2	2	3	2	3	2	1.3
CO2	3	3	2	3	2	3	3	3	3	2	1.3
CO3	3	3	2	3	2	3	3	3	3	2	1.3
CO4	3	3	2	3	2	3	3	3	3	2	1
CO5	3	3	2	3	2	3	3	3	3	2	1.3
CO6	3	3	2	3	2	3	3	3	3	2	1.3
AVG	3.00	3.00	2.00	3.00	2.00	2.83	3.00	2.83	3.00	2.00	





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COURSE :		253010303 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	2	3	2	1	1.3
CO2	3	2	2	3	1	2	1	3	2	1	1.3
CO3	3	3	3	3	1	2	2	3	2	2	1.3
CO4	3	2	2	3	1	2	2	3	2	1	1
CO5	3	3	3	3	2	2	3	3	3	2	1.3
CO6	3	3	2	3	2	3	2	3	3	2	1.3
AVG	3.00	2.50	2.33	3.00	1.33	2.17	2.00	3.00	2.33	1.50	
COURSE :		253040301 Microbial Physiology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	1	3	2	1	1.3
CO2	3	3	3	2	1	2	1	3	2	1	1.3
CO3	3	3	3	2	1	2	1	3	2	1	1.3
CO4	2	2	2	2	2	1	1	3	3	2	1
CO5	3	3	2	2	2	1	1	3	2	2	1.3
CO6	3	3	2	3	2	1	1	3	2	2	1.3
AVG	2.83	2.67	2.33	2.17	1.50	1.50	1.00	3.00	2.17	1.50	
COURSE :		253040302 Soil & Water Microbiology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	1	3	2	1	1.3
CO2	3	3	3	2	1	2	1	3	2	1	1.3
CO3	3	3	3	2	1	2	1	3	2	1	1.3
CO4	2	2	2	2	2	1	1	3	3	2	1
CO5	3	3	2	2	2	1	1	3	2	2	1.3
CO6	3	3	2	3	2	1	1	3	2	2	1.3
AVG	2.83	2.67	2.33	2.17	1.50	1.50	1.00	3.00	2.17	1.50	
COURSE :		253040303 Microbiology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	1	2	1	3	3	3	1.3
CO2	3	2	2	2	1	2	1	3	2	2	1.3
CO3	3	3	2	3	1	2	1	3	3	2	1.3
CO4	3	2	2	2	2	1	1	3	2	2	1
CO5	3	3	2	2	2	2	1	3	2	1	1.3
CO6	3	3	2	3	2	2	1	3	2	2	1.3
AVG	3.00	2.50	2.17	2.33	1.50	1.83	1.00	3.00	2.50	2.00	





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COURSE:		253000302 Communication Skills - 1									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.67	1.83	1.50	1.67	1.17	1.50	1.83	1.50	1.67	
COURSE :		12300011 Intellectual Property Rights									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	1	1	2	2	1	2	1	3	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.67	1.83	1.50	1.67	1.17	1.50	2.00	1.50	1.67	
Semester IV											
COURSE :		253010401 Immunology-I									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	2	2	3	2	1	1.3
CO2	3	3	2	2	1	2	2	2	2	2	1.3
CO3	3	2	2	3	1	2	2	2	2	1	1.3
CO4	3	2	2	3	1	2	2	3	2	2	1
CO5	3	3	2	3	1	2	2	3	2	2	1.3
CO6	3	3	3	3	2	3	2	3	2	2	1.3
AVG	3.00	2.50	2.17	2.83	1.33	2.17	2.00	2.67	2.00	1.67	
COURSE :		253010402 Bioinstrumentation									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	2	3	2	2	1.3
CO2	3	3	2	3	1	2	2	3	2	1	1.3
CO3	3	2	2	3	1	2	2	3	2	1	1.3
CO4	3	3	2	3	2	2	2	3	2	2	1
CO5	3	2	2	2	2	2	2	2	3	2	1.3
CO6	3	3	3	2	2	3	2	3	3	2	1.3
AVG	3.00	2.50	2.17	2.67	1.50	2.17	2.00	2.83	2.33	1.67	





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COURSE :		253010403 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	2	2	2	3	2	3	1.3
CO2	3	3	2	3	2	2	2	3	2	2	1.3
CO3	3	3	3	3	2	2	2	3	2	2	1.3
CO4	3	2	2	3	2	2	2	3	2	2	1
CO5	3	2	2	3	2	2	2	3	2	2	1.3
CO6	3	3	3	3	2	3	2	3	2	2	1.3
AVG	3.00	2.50	2.50	3.00	2.00	2.17	2.00	3.00	2.00	2.17	
COURSE :		25304001 Bacterial Diversity									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	1	3	2	1	1.3
CO2	3	3	2	2	1	2	1	3	3	2	1.3
CO3	3	3	2	3	1	2	1	3	2	2	1.3
CO4	3	2	2	2	2	1	1	3	2	2	1
CO5	3	3	2	2	2	1	1	3	2	2	1.3
CO6	3	3	2	3	2	2	1	3	2	3	1.3
AVG	3.00	2.67	2.00	2.33	1.50	1.67	1.00	3.00	2.17	2.00	
COURSE :		253040402 Food & Dairy Microbiology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	1	1	2	1	3	2	2	1.3
CO2	3	3	2	2	1	2	1	3	2	2	1.3
CO3	3	3	2	2	1	2	1	3	2	2	1.3
CO4	3	2	2	2	1	2	1	3	2	2	1
CO5	3	2	2	2	1	2	1	3	2	3	1.3
CO6	3	2	2	2	2	2	1	3	2	3	1.3
AVG	3.00	2.33	2.00	1.83	1.17	2.00	1.00	3.00	2.00	2.33	
COURSE :		253040303 Microbiology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	1	2	3	2	2	1.3
CO2	3	3	2	2	1	2	1	3	2	2	1.3
CO3	3	2	2	3	2	1	1	3	2	2	1.3
CO4	3	2	2	2	2	1	1	3	2	2	1
CO5	3	2	2	2	2	1	1	3	2	3	1.3
CO6	3	2	2	3	2	2	1	3	2	3	1.3
AVG	3.00	2.17	2.00	2.50	1.83	1.33	1.17	3.00	2.00	2.33	





COURSE :		253000402 Communication Skills - 2									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	1	1	2	1.3
CO3	1	1	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	1	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.50	1.83	1.50	1.67	1.17	1.50	1.67	1.50	1.67	
COURSE :		12300012 Intermediate Program in Entrepreneurship									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	2	1.3
CO2	1	1	2	2	1	2	1	3	1	2	1.3
CO3	2	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	2	2	1	1	2	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.67	1.83	1.67	1.67	1.17	1.50	2.17	1.50	1.83	
Semester V											
COURSE :		253010501 Fermentation Technology-I									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	2	2	2	2	1.3
CO2	3	3	3	3	2	2	2	3	2	2	1.3
CO3	3	2	3	3	1	2	3	3	2	2	1.3
CO4	3	2	2	3	1	2	2	3	2	2	1
CO5	3	3	3	2	2	2	2	3	2	2	1.3
CO6	3	2	3	3	1	2	2	3	2	2	1.3
AVG	3.00	2.33	2.67	2.67	1.33	2.00	2.17	2.83	2.00	2.00	
COURSE :		253010502 Molecular Techniques									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	2	3	2	2	2	3	2	2	1.3
CO2	3	3	3	3	2	2	2	3	2	2	1.3
CO3	3	3	2	3	2	2	2	3	2	2	1.3
CO4	3	3	3	2	2	2	2	3	2	2	1
CO5	3	3	2	3	2	2	2	3	2	2	1.3
CO6	3	3	3	3	2	2	2	3	2	2	1.3
AVG	3.00	3.00	2.50	2.83	2.00	2.00	2.00	3.00	2.00	2.00	





COURSE :		253010503 Environmental Biotechnology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	3	2	2	2	3	2	3	1.3
CO2	3	3	2	3	2	2	2	3	2	3	1.3
CO3	3	3	3	3	2	2	2	3	2	3	1.3
CO4	3	3	2	3	2	2	2	3	2	3	1
CO5	3	2	2	2	2	2	2	3	3	3	1.3
CO6	3	3	3	2	2	2	2	3	3	3	1.3
AVG	3.00	2.83	2.50	2.67	2.00	2.00	2.00	3.00	2.33	3.00	
COURSE :		253010504 Genetic Engineering and Tissue culture									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	3	2	2	2	3	2	2	1.3
CO2	3	3	3	3	2	2	2	3	2	2	1.3
CO3	3	3	2	2	2	2	2	3	2	3	1.3
CO4	3	3	2	2	2	2	2	3	2	2	1
CO5	3	2	2	2	2	2	2	3	2	2	1.3
CO6	3	3	3	3	2	2	2	3	2	2	1.3
AVG	3.00	2.83	2.50	2.50	2.00	2.00	2.00	3.00	2.00	2.17	
COURSE :		253010505 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	2	2	2	3	2	2	1.3
CO2	3	3	3	3	2	2	2	3	2	2	1.3
CO3	3	3	2	3	2	2	2	3	3	2	1.3
CO4	3	3	3	3	2	2	2	3	2	2	1
CO5	3	3	3	2	2	2	2	3	2	3	1.3
CO6	3	3	3	2	2	2	2	3	2	3	1.3
AVG	3.00	2.83	2.83	2.50	2.00	2.00	2.00	3.00	2.17	2.33	
COURSE :		Environmental Sciences 253000503									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	2	2	3	2	1	2	3	2	2	1.3
CO2	3	3	2	2	1	2	1	2	2	2	1.3
CO3	1	1	2	1	2	1	1	3	1	2	1.3
CO4	1	2	2	1	2	1	2	2	2	2	1
CO5	3	2	2	2	2	1	2	2	1	2	1.3
CO6	2	2	2	3	2	2	1	3	2	1	1.3
AVG	1.83	2.00	2.00	2.00	1.83	1.33	1.50	2.50	1.67	1.83	





COURSE :		Advance Program in Entrepreneurship 12300013									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	2	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	2	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	1	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.83	1.83	1.50	1.67	1.17	1.50	2.00	1.50	1.67	
Semester VI											
COURSE :		253010601 Fermentation Technology-II									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	2	2	2	3	2	2	1.3
CO2	3	2	3	3	2	2	2	3	2	2	1.3
CO3	3	3	3	3	2	2	2	3	2	2	1.3
CO4	3	3	2	3	2	2	3	3	2	2	1
CO5	3	3	3	2	2	2	2	3	2	3	1.3
CO6	3	3	3	3	2	2	2	3	2	3	1.3
AVG	3.00	2.67	2.83	2.83	2.00	2.00	2.17	3.00	2.00	2.33	
COURSE :		253010602 Enzymology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	2	3	2	2	1.3
CO2	3	3	2	3	2	2	2	3	2	2	1.3
CO3	3	3	3	3	2	2	2	3	2	2	1.3
CO4	3	3	3	3	2	2	2	3	2	2	1
CO5	3	2	3	2	2	2	2	3	2	3	1.3
CO6	3	2	3	2	2	2	2	3	2	3	1.3
AVG	3.00	2.50	2.67	2.50	2.00	2.00	2.00	3.00	2.00	2.33	
COURSE :		253010603 Molecular Biology-II									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	3	2	2	2	3	2	2	1.3
CO2	3	3	2	3	2	2	2	3	2	2	1.3
CO3	3	2	2	3	2	2	2	3	2	2	1.3
CO4	3	3	3	3	2	2	2	3	2	2	1
CO5	3	3	3	3	2	2	2	3	2	2	1.3
CO6	3	3	3	3	2	2	2	3	2	2	1.3
AVG	3.00	2.83	2.67	3.00	2.00	2.00	2.00	3.00	2.00	2.00	





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COURSE :		253010604 Biosafety, Bioethics & IPR									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	2	3	3	2	3	1.3
CO2	3	3	3	3	2	2	2	3	2	2	1.3
CO3	3	2	2	3	2	2	3	2	2	2	1.3
CO4	3	3	2	3	2	2	2	3	2	2	1
CO5	3	2	2	2	3	2	2	2	3	2	1.3
CO6	3	2	2	3	2	2	2	2	3	2	1.3
AVG	3.00	2.33	2.17	2.83	2.17	2.00	2.33	2.50	2.33	2.17	
COURSE :		253010605 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	2	2	3	3	2	3	1.3
CO2	3	2	3	2	3	2	2	3	2	3	1.3
CO3	3	2	3	3	2	2	2	3	2	2	1.3
CO4	3	2	3	2	2	2	3	3	2	3	1
CO5	3	2	3	3	2	2	2	3	1	2	1.3
CO6	3	2	3	3	2	2	2	3	2	2	1.3
AVG	3.00	2.00	3.00	2.67	2.17	2.00	2.33	3.00	1.83	2.50	
COURSE :		Environmental Sciences 253000603									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	2	2	3	2	1	2	3	2	2	1.3
CO2	3	1	2	2	1	2	1	2	2	2	1.3
CO3	1	1	1	1	2	1	1	1	1	2	1.3
CO4	1	2	2	1	2	1	2	2	2	2	1
CO5	3	2	2	2	1	1	2	2	1	2	1.3
CO6	2	2	2	3	2	2	1	3	2	1	1.3
AVG	1.83	1.67	1.83	2.00	1.67	1.33	1.50	2.17	1.67	1.83	
COURSE :		Startup Project 12300014									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	2	2	2	1	2	1	1	2	2	1.3
CO3	1	2	1	1	2	1	2	2	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	1	1	1.3
CO6	1	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.83	1.83	1.50	1.67	1.17	1.50	2.00	1.33	1.67	





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COURSE :		253010101/253030101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	1	1	3	1	1	3	1	3	1	1.7
CO2	3	2	2	2	1	1	3	2	3	3	2.2
CO3	3	2	2	2	1	1	3	2	3	2	2.1
CO4	3	3	3	3	2	2	3	2	3	3	2.7
CO5	3	3	3	3	2	2	3	3	3	3	2.8
CO6	3	3	3	3	2	2	3	3	3	3	2.8
AVG	2.83	2.33	2.33	2.67	1.50	1.50	3.00	2.17	3.00	2.50	2.383333333
COURSE :		253010102/253030102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	2	2	3	3	3	3	2.8
CO2	3	3	3	3	2	2	2	3	3	3	2.8
CO3	3	3	3	3	2	3	3	3	3	3	2.8
CO4	3	3	3	3	2	3	3	3	3	3	2.8
CO5	3	3	3	3	2	3	3	3	3	3	2.5
CO6	3	3	3	3	3	3	3	3	3	3	3
AVG	3.00	2.83	3.00	3.00	2.17	2.67	2.83	3.00	3.00	3.00	
COURSE :		Basic Chemistry-1 253020101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	2	1	1	2	1	2	1	1.67
CO2	3	3	3	2	1	2	1	2	1	2	2
CO3	3	2	1	3	1	1	2	1	3	1	2.5
CO4	1	3	3	3	2	1	3	3	2	1	2.75
CO5	3	3	3	3	1	3	2	1	3	3	2.75
CO6	2	1	1	3	2	3	1	2	3	2	2.4
AVG	3	2	2	3	1	2	2	2	2	2	
COURSE :		Chemistry Practicals 253020102									
CO	PO1	PO2	TOTAL	FAIL	EXT	INT	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	2	1	1	2	1	3	1	2
CO2	3	3	3	2	3	2	1	2	3	2	1.8
CO3	1	1	2	3	1	1	2	1	3	1	1.8
CO4	3	3	3	3	2	1	3	3	3	1	1.5
CO5	3	3	3	1	1	3	2	1	2	3	1.5
CO6	2	1	3	3	2	3	1	2	3	2	1.7
AVG	2.50	2.17	16.00	2.33	1.67	1.83	1.83	1.67	2.83	1.67	





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COURSE :		253040101/253050101									
CO	PO1	PO2	16	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	2	1	2	1	2	2	2	1.3
CO2	3	3	3	2	1	2	1	2	1	1	1.3
CO3	3	2	2	2	1	2	1	2	1	1	1.3
CO4	3	2	3	3	2	2	2	3	2	1	1
CO5	3	3	2	2	2	2	1	2	2	1	1.3
CO6	3	2	2	2	2	3	1	2	1	2	1.3
AVG	3.00	2.50	2.50	2.17	1.50	2.17	1.17	2.17	1.50	1.33	
COURSE :		253040102/253050102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	3	2	2	1	3	2	1	1.3
CO2	3	3	3	3	2	2	1	3	2	1	1.3
CO3	3	2	3	3	2	2	1	3	1	1	1.3
CO4	3	3	3	3	2	2	1	3	2	1	1
CO5	3	2	2	2	2	2	1	3	2	1	1.3
CO6	3	3	3	3	2	2	1	3	2	3	1.3
AVG	3.00	2.67	2.83	2.83	2.00	2.00	1.00	3.00	1.83	1.33	
COURSE :		English-1 253000102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	2	1	2	1	1	1	1	2	1	1.3
CO2	2	2	1	2	1	2	2	3	1	1	1.3
CO3	1	1	3	2	1	1	3	1	1	3	1.3
CO4	1	3	1	3	2	1	2	3	2	1	1
CO5	1	2	1	2	2	1	1	3	1	1	1.3
CO6	2	3	3	2	2	1	3	1	1	3	1.3
AVG	1.33	2.17	1.67	2.17	1.50	1.17	2.00	2.00	1.33	1.67	
COURSE :		Environmental Science 253000101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	1	2	1	2	1	1	1	1	1.3
CO3	1	1	1	1	1	1	2	1	1	2	1.3
CO4	1	1	1	1	1	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.50	1.67	1.50	1.33	1.17	1.50	1.67	1.33	1.50	





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COURSE :		Orientation Program in Start-up and Entrepreneurship 12300009									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.67	1.83	1.50	1.67	1.17	1.50	1.83	1.50	1.67	
SEMESTER II											
COURSE :		253010201 Origin & Evolution of life/253010201									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	3	3	3	3	3	3	1.3
CO2	3	2	3	3	2	3	3	2	3	3	1.3
CO3	3	2	3	3	3	3	3	2	3	3	1.3
CO4	3	2	3	3	3	3	3	2	3	3	1
CO5	3	2	3	3	3	3	3	2	3	3	1.3
CO6	3	3	3	3	3	3	3	2	3	3	1.3
AVG	3.00	2.17	3.00	3.00	2.83	3.00	3.00	2.17	3.00	3.00	
COURSE :		253010202 Biotechnology Practicals/253010202									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	3	2	2	2	3	3	2	1.3
CO2	3	3	3	3	2	2	2	3	3	2	1.3
CO3	3	3	3	3	2	2	2	3	3	2	1.3
CO4	3	3	3	3	2	2	2	3	3	2	1
CO5	3	3	3	3	2	2	2	3	3	2	1.3
CO6	3	3	2	3	2	2	2	3	3	2	1.3
AVG	3.00	3.00	2.83	3.00	2.00	2.00	2.00	3.00	3.00	2.00	
COURSE :		253020201 Basic Chemistry-2									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	3	1	3	2	1	3	1	1.3
CO2	1	3	3	1	3	2	1	2	1	2	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	2	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	2.00	2.33	1.83	2.00	2.00	2.00	1.83	1.67	2.00	1.83	





COURSE :		253020202 Chemistry Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	2	1	3	2	1	3	1	1.3
CO2	1	3	3	2	1	2	1	2	1	3	1.3
CO3	3	2	3	3	2	1	2	1	3	1	1.3
CO4	1	3	2	1	3	1	3	3	2	1	1
CO5	3	3	3	3	1	3	2	1	1	3	1.3
CO6	2	1	1	3	2	3	1	3	3	2	1.3
AVG	2.17	2.33	2.17	2.33	1.67	2.17	1.83	1.83	2.17	1.83	
COURSE :		253040201 Basic Bacteriology/253050201									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	1	1	2	3	1	1.3
CO2	3	3	2	2	1	1	1	2	3	1	1.3
CO3	3	2	2	2	1	1	1	2	3	1	1.3
CO4	2	3	2	3	2	1	1	3	3	1	1
CO5	2	3	2	2	3	1	1	2	3	1	1.3
CO6	2	3	2	3	3	1	1	2	3	1	1.3
AVG	2.50	2.67	2.00	2.33	1.83	1.00	1.00	2.17	3.00	1.00	
COURSE :		253040202 Microbiology Practicals/253050202									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	1	1	3	2	1	1.3
CO2	3	3	3	2	1	1	1	3	2	1	1.3
CO3	3	2	3	2	1	1	1	3	2	1	1.3
CO4	2	2	3	2	1	1	1	3	2	1	1
CO5	2	2	3	2	1	1	1	3	2	1	1.3
CO6	3	2	2	2	1	1	1	3	2	1	1.3
AVG	2.67	2.17	2.67	2.00	1.00	1.00	1.00	3.00	2.00	1.00	
COURSE :		253000201 Environmental Conservation and Hazard Management(ECHM)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	2	2	2	1	2	1	2	1	2	1.3
CO3	2	2	1	1	3	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	2	1	1	1	1
CO5	3	2	3	2	2	1	1	3	1	1	1.3
CO6	2	3	3	2	1	1	3	3	1	3	1.3
AVG	1.83	1.67	1.83	1.50	1.67	1.17	1.67	1.83	1.33	1.67	





COURSE :		253000202 English-2									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	2	2	1	2	2	2	2	1.3
CO4	2	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.83	1.67	1.83	1.67	1.67	1.17	1.50	2.00	1.50	1.67	
COURSE :		12300010 Basic Program in Entrepreneurship									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	2	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	2	1	1	1	2	2	1	1	2	1	1
CO5	3	2	3	2	2	1	1	3	2	2	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.83	1.67	1.83	1.50	1.67	1.33	1.50	1.83	1.67	2.00	
Semester III											
COURSE :		253020301									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	1	1	2	1	3	2	1	3	1	1.3
CO2	1	3	3	1	1	2	1	2	1	2	1.3
CO3	3	2	1	2	2	1	2	1	3	1	1.3
CO4	1	3	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	3	1	3	3	3	1.3
AVG	2.00	2.33	1.83	1.83	1.67	2.17	1.83	1.67	2.17	1.83	
COURSE :		253020302									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	1	3	1	1	2	1	3	1	2	1.3
CO2	2	2	1	2	1	1	2	1	2	1	1.3
CO3	1	1	3	1	2	2	1	3	1	2	1.3
CO4	1	2	2	1	3	1	2	2	1	1	1
CO5	3	1	1	3	1	2	1	1	3	2	1.3
CO6	3	3	3	3	2	3	3	3	3	3	1.3
AVG	2.17	1.67	2.17	1.83	1.67	1.83	1.67	2.17	1.83	1.83	





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COURSE :		253020303									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	3	1	3	2	1	3	1	1.3
CO2	1	3	3	1	3	2	1	2	1	2	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	2	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	2.00	2.33	1.83	2.00	2.00	2.00	1.83	1.67	2.00	1.83	
COURSE :		253040301/253050301									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	2	2	3	2	1.3
CO2	3	3	2	3	1	2	2	2	3	2	1.3
CO3	3	3	2	3	1	2	2	2	3	2	1.3
CO4	3	3	2	3	1	2	2	2	3	2	1
CO5	3	3	2	3	1	2	2	2	3	2	1.3
CO6	3	3	2	3	1	2	2	2	3	2	1.3
AVG	3.00	2.83	2.00	3.00	1.00	2.00	2.00	2.00	3.00	2.00	
COURSE :		253040302/253050302									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	2	3	2	2	3	2	3	2	1.3
CO2	3	3	2	3	2	3	3	3	3	2	1.3
CO3	3	3	2	3	2	3	3	3	3	2	1.3
CO4	3	3	2	3	2	3	3	3	3	2	1
CO5	3	3	2	3	2	3	3	3	3	2	1.3
CO6	3	3	2	3	2	3	3	3	3	2	1.3
AVG	3.00	3.00	2.00	3.00	2.00	2.83	3.00	2.83	3.00	2.00	
COURSE :		253040303/253050303									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	2	3	2	1	1.3
CO2	3	2	2	3	1	2	1	2	1	1	1.3
CO3	3	3	3	3	1	2	2	3	2	2	1.3
CO4	3	2	2	3	1	2	2	3	2	1	1
CO5	3	3	3	3	2	2	3	3	3	2	1.3
CO6	3	3	2	3	2	3	2	3	3	2	1.3
AVG	3.00	2.50	2.33	3.00	1.33	2.17	2.00	3.00	2.33	1.50	





COURSE :		253000302 Communication Skills - 1									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.67	1.83	1.50	1.67	1.17	1.50	1.83	1.50	1.67	
COURSE :		12300011 Intellectual Property Rights									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	1	1	2	2	1	2	1	3	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.67	1.83	1.50	1.67	1.17	1.50	2.00	1.50	1.67	
Semester IV											
COURSE :		253020401									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	1	2	1	3	2	1	2	1	1.3
CO2	1	3	3	1	3	2	1	2	1	3	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	1	2	1	3	1	2	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	1.83	2.17	1.83	1.83	2.00	2.00	1.67	1.67	1.83	2.00	
COURSE :		253020402									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	2	3	2	2	1.3
CO2	3	3	2	3	1	2	2	3	2	1	1.3
CO3	3	2	2	3	1	2	2	3	2	1	1.3
CO4	3	3	2	3	2	2	2	3	2	2	1
CO5	3	2	2	2	2	2	2	2	3	2	1.3
CO6	3	3	3	2	2	3	2	3	3	2	1.3
AVG	3.00	2.50	2.17	2.67	1.50	2.17	2.00	2.83	2.33	1.67	





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COURSE :		253020403									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	2	2	2	3	2	3	1.3
CO2	3	3	2	3	2	2	2	3	2	2	1.3
CO3	3	3	3	3	2	2	2	3	2	2	1.3
CO4	3	2	2	3	2	2	2	3	2	2	1
CO5	3	2	2	3	2	2	2	3	2	2	1.3
CO6	3	3	3	3	2	3	2	3	2	2	1.3
AVG	3.00	2.50	2.50	3.00	2.00	2.17	2.00	3.00	2.00	2.17	
COURSE :		253040401/253050401									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	1	3	2	1	1.3
CO2	3	3	2	2	1	2	1	3	3	2	1.3
CO3	3	3	2	3	1	2	1	3	2	2	1.3
CO4	3	2	2	2	2	1	1	3	2	2	1
CO5	3	3	2	2	2	1	1	3	2	2	1.3
CO6	3	3	2	3	2	2	1	3	2	3	1.3
AVG	3.00	2.67	2.00	2.33	1.50	1.67	1.00	3.00	2.17	2.00	
COURSE :		253040402/253050402									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	1	1	2	1	3	2	2	1.3
CO2	3	3	2	2	1	2	1	3	2	2	1.3
CO3	3	3	2	2	1	2	1	3	2	2	1.3
CO4	3	2	2	2	1	2	1	3	2	2	1
CO5	3	2	2	2	1	2	1	3	2	3	1.3
CO6	3	2	2	2	2	2	1	3	2	3	1.3
AVG	3.00	2.33	2.00	1.83	1.17	2.00	1.00	3.00	2.00	2.33	
COURSE :		253040403/253050403									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	1	1	2	1	3	2	2	1.3
CO2	3	3	2	2	1	2	1	3	2	2	1.3
CO3	3	3	2	2	1	2	1	3	2	2	1.3
CO4	3	2	2	2	1	2	1	3	2	2	1
CO5	3	2	2	2	1	2	1	3	2	3	1.3
CO6	3	2	2	2	2	2	1	3	2	3	1.3
AVG	3.00	2.33	2.00	1.83	1.17	2.00	1.00	3.00	2.00	2.33	





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COURSE :

253000402 Communication Skills - 2

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	1	1	2	1.3
CO3	1	1	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	1	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.50	1.83	1.50	1.67	1.17	1.50	1.67	1.50	1.67	

COURSE :

12300012 Intermediate Program in Entrepreneurship

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	2	1.3
CO2	1	1	2	2	1	2	1	3	1	2	1.3
CO3	2	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	2	2	1	1	2	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.67	1.83	1.67	1.67	1.17	1.50	2.17	1.50	1.83	

Semester V

COURSE :

253020501

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	2	3	1	3	2	1	2	1	1.3
CO2	3	3	3	1	3	2	1	2	3	3	1.3
CO3	3	2	3	2	2	1	3	1	2	1	1.3
CO4	1	1	2	1	3	1	2	2	3	2	1
CO5	2	3	3	3	1	3	3	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	2	1.3
AVG	2.00	2.00	2.33	2.17	2.00	2.00	2.00	1.67	2.33	2.00	

COURSE :

253020502

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	1	2	1	3	2	1	2	1	1.3
CO2	1	3	3	1	3	2	1	2	1	3	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	1	2	1	3	1	2	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	1.83	2.17	1.83	1.83	2.00	2.00	1.67	1.67	1.83	2.00	





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COURSE :

253020503

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	1	2	1	3	2	1	2	1	1.3
CO2	1	3	3	1	3	2	1	2	1	3	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	1	2	1	3	1	2	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	1.83	2.17	1.83	1.83	2.00	2.00	1.67	1.67	1.83	2.00	

COURSE :

253020504

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	1	3	1	1	2	1	3	1	2	1.3
CO2	2	2	1	2	1	1	2	1	2	1	1.3
CO3	1	1	3	1	2	2	1	3	1	2	1.3
CO4	1	2	2	1	3	1	2	2	1	1	1
CO5	3	1	1	3	1	2	1	1	3	2	1.3
CO6	3	3	3	3	2	3	3	3	3	3	1.3
AVG	2.17	1.67	2.17	1.83	1.67	1.83	1.67	2.17	1.83	1.83	

COURSE :

253020505

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	3	1	3	2	1	3	1	1.3
CO2	1	3	3	1	3	2	1	2	1	2	1.3
CO3	2	2	1	2	2	1		1	2	1	1.3
CO4	1	2	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	2.00	2.33	1.83	2.00	2.00	2.00	1.80	1.67	2.00	1.83	

COURSE :

Environmental Sciences 253000503

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	2	2	3	2	1	2	3	2	2	1.3
CO2	3	3	2	2	1	2	1	2	2	2	1.3
CO3	1	1	2	1	2	1	1	3	1	2	1.3
CO4	1	2	2	1	2	1	2	2	2	2	1
CO5	3	2	2	2	2	1	2	2	1	2	1.3
CO6	2	2	2	3	2	2	1	3	2	1	1.3
AVG	1.83	2.00	2.00	2.00	1.83	1.33	1.50	2.50	1.67	1.83	





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COURSE :		Advance Program in Entrepreneurship 12300013									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	2	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	2	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	1	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.83	1.83	1.50	1.67	1.17	1.50	2.00	1.50	1.67	
Semester VI											
COURSE :		253020601									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	1	2	1	3	2	1	2	1	1.3
CO2	1	3	3	1	3	2	1	2	1	3	1.3
CO3	2	2	1	2	2	1		1	2	1	1.3
CO4	1	1	2	1	3	1	2	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	1.83	2.17	1.83	1.83	2.00	2.00	1.60	1.67	1.83	2.00	
COURSE :		253020602									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	3	1	3	2	1	3	1	1.3
CO2	1	3	3	1	3	2	1	2	1	2	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	2	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	2.00	2.33	1.83	2.00	2.00	2.00	1.83	1.67	2.00	1.83	
COURSE :		253020603									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	1	2	1	3	2	1	2	1	1.3
CO2	1	3	3	1	3	2	1	2	1	3	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	1	2	1	3	1	2	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	1.83	2.17	1.83	1.83	2.00	2.00	1.67	1.67	1.83	2.00	





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COURSE :		253020604									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	1	3	1	1	2	1	3	1	2	1.3
CO2	2	2	1	2	1	1	2	1	2	1	1.3
CO3	1	1	3	1	2	2	1	3	1	2	1.3
CO4	1	2	2	1	3	1	2	2	1	1	1
CO5	3	1	1	3	1	2	1	1	3	2	1.3
CO6	3	3	3	3	2	3	3	3	3	3	1.3
AVG	2.17	1.67	2.17	1.83	1.67	1.83	1.67	2.17	1.83	1.83	
COURSE :		253020605									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	2	3	1	3	2	1	2	1	1.3
CO2	3	3	3	1	3	2	1	2	3	3	1.3
CO3	3	2	3	2	2	1	3	1	2	1	1.3
CO4	1	1	2	1	3	1	2	2	3	2	1
CO5	2	3	3	3	1	3	3	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	2	1.3
AVG	2.00	2.00	2.33	2.17	2.00	2.00	2.00	1.67	2.33	2.00	
COURSE :		Environmental Sciences 253000603									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	2	2	3	2	1	2	3	2	2	1.3
CO2	3	1	2	2	1	2	1	2	2	2	1.3
CO3	1	1	1	1	2	1	1	1	1	2	1.3
CO4	1	2	2	1	2	1	2	2	2	2	1
CO5	3	2	2	2	1	1	2	2	1	2	1.3
CO6	2	2	2	3	2	2	1	3	2	1	1.3
AVG	1.83	1.67	1.83	2.00	1.67	1.33	1.50	2.17	1.67	1.83	
COURSE :		Startup Project 12300014									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	2	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	2	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	1	1	1.3
CO6	1	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.83	1.83	1.50	1.67	1.17	1.50	2.00	1.33	1.67	





COURSE :		Introduction to Biotechnology 253010101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	1	1	3	1	1	3	1	3	1	1.7
CO2	3	2	2	2	1	1	3	2	3	3	2.2
CO3	3	2	2	2	1	1	3	2	3	2	2.1
CO4	3	3	3	3	2	2	3	2	3	3	2.7
CO5	3	3	3	3	2	2	3	3	3	3	2.8
CO6	3	3	3	3	2	2	3	3	3	3	2.8
AVG	2.83	2.33	2.33	2.67	1.50	1.50	3.00	2.17	3.00	2.50	2.383333333
COURSE :		Biotechnology Practicals 253010102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	2	2	3	3	3	3	2.8
CO2	3	3	3	3	2	2	2	3	3	3	2.8
CO3	3	3	3	3	2	3	3	3	3	3	2.8
CO4	3	3	3	3	2	3	3	3	3	3	2.8
CO5	3	3	3	3	2	3	3	3	3	3	2.5
CO6	3	3	3	3	3	3	3	3	3	3	3
AVG	3.00	2.83	3.00	3.00	2.17	2.67	2.83	3.00	3.00	3.00	
COURSE :		Basic Chemistry-1 253020101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	2	1	1	2	1	2	1	1.67
CO2	3	3	3	12	1	12	1	12	1	2	2
CO3	3	2	1	3	1	1	2	1	3	1	2.5
CO4	1	3	3	3	2	1	3	3	2	1	2.75
CO5	3	3	3	3	1	3	2	1	3	3	2.75
CO6	2	1	1	3	2	3	1	2	3	2	2.4
AVG	3	2	2	4	1	4	2	3	2	2	
COURSE :		Chemistry Practicals 253020102									
CO	PO1	PO2	TOTAL	FAIL	EXT	INT	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	16	0	1	1	2	1	3	1	2
CO2	3	3	16	0	3	2	1	2	3	2	1.8
CO3	1	1	16	0	1	1	2	1	3	1	1.8
CO4	3	3	16	0	2	1	3	3	3	1	1.5
CO5	3	3	16	0	1	3	2	1	2	3	1.5
CO6	2	1	16	3	2	3	1	2	3	2	1.7
AVG	2.50	2.17	16.00	0.50	1.67	1.83	1.83	1.67	2.83	1.67	





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COURSE :		Introduction to Microbial world 253040101									
CO	PO1	PO2	16	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	2	2	1	1	1	2	3	1	1.3
CO2	3	3	3	2	1	2	1	2	3	2	1.3
CO3	3	3	3	2	1	2	2	3	2	2	1.3
CO4	3	3	2	3	1	1	1	3	2	1	1
CO5	3	3	2	2	3	1	1	3	2	1	1.3
CO6	3	3	3	3	2	3	2	3	3	2	1.3
AVG	3.00	3.00	2.50	2.33	1.50	1.67	1.33	2.67	2.50	1.50	
COURSE :		Microbiology Practicals 253040102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	1	2	1	3	2	1	1.3
CO2	2	2	3	2	1	2	2	3	1	2	1.3
CO3	2	3	3	2	2	1	3	3	1	3	1.3
CO4	3	3	2	3	2	1	2	3	2	1	1
CO5	3	2	3	2	2	1	1	3	1	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	2.50	2.50	2.83	2.17	1.67	1.33	2.00	3.00	1.33	1.83	
COURSE :		English-1 253000102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	2	1	2	1	1	1	1	2	1	1.3
CO2	2	2	1	2	1	2	2	3	1	1	1.3
CO3	1	1	3	2	1	1	3	1	1	3	1.3
CO4	1	3	1	3	2	1	2	3	2	1	1
CO5	1	2	1	2	2	1	1	3	1	1	1.3
CO6	2	3	3	2	2	1	3	1	1	3	1.3
AVG	1.33	2.17	1.67	2.17	1.50	1.17	2.00	2.00	1.33	1.67	
COURSE :		Environmental Science 253000101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	1	2	1	2	1	1	1	1	1.3
CO3	1	1	1	1	1	1	2	1	1	2	1.3
CO4	1	1	1	1	1	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.50	1.67	1.50	1.33	1.17	1.50	1.67	1.33	1.50	

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COURSE :		Orientation Program in Start-up and Entrepreneurship 12300009									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.67	1.83	1.50	1.67	1.17	1.50	1.83	1.50	1.67	
SEMESTER II											
COURSE :		253010201 Origin & Evolution of life									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	3	3	3	3	3	3	1.3
CO2	3	2	3	3	2	3	3	2	3	3	1.3
CO3	3	2	3	3	3	3	3	2	3	3	1.3
CO4	3	2	3	3	3	3	3	2	3	3	1
CO5	3	2	3	3	3	3	3	2	3	3	1.3
CO6	3	3	3	3	3	3	3	2	3	3	1.3
AVG	3.00	2.17	3.00	3.00	2.83	3.00	3.00	2.17	3.00	3.00	
COURSE :		253010202 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	3	2	2	2	3	3	2	1.3
CO2	3	3	3	3	2	2	2	3	3	2	1.3
CO3	3	3	3	3	2	2	2	3	3	2	1.3
CO4	3	3	3	3	2	2	2	3	3	2	1
CO5	3	3	3	3	2	2	2	3	3	2	1.3
CO6	3	3	2	3	2	2	2	3	3	2	1.3
AVG	3.00	3.00	2.83	3.00	2.00	2.00	2.00	3.00	3.00	2.00	
COURSE :		253020201 Basic Chemistry-2									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	3	1	3	2	1	3	1	1.3
CO2	1	3	3	1	3	2	1	2	1	2	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	2	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	2.00	2.33	1.83	2.00	2.00	2.00	1.83	1.67	2.00	1.83	

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COURSE :		253020202 Chemistry Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	2	1	3	2	1	3	1	1.3
CO2	1	3	3	2	1	2	1	2	1	3	1.3
CO3	3	2	3	3	2	1	2	1	3	1	1.3
CO4	1	3	2	1	3	1	3	3	2	1	1
CO5	3	3	3	3	1	3	2	1	1	3	1.3
CO6	2	1	1	3	2	3	1	3	3	2	1.3
AVG	2.17	2.33	2.17	2.33	1.67	2.17	1.83	1.83	2.17	1.83	
COURSE :		253040201 Basic Bacteriology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	1	1	2	3	1	1.3
CO2	3	3	2	2	1	1	1	2	3	1	1.3
CO3	3	2	2	2	1	1	1	2	3	1	1.3
CO4	2	3	2	3	2	1	1	3	3	1	1
CO5	2	3	2	2	3	1	1	2	3	1	1.3
CO6	2	3	2	3	3	1	1	2	3	1	1.3
AVG	2.50	2.67	2.00	2.33	1.83	1.00	1.00	2.17	3.00	1.00	
COURSE :		253040202 Microbiology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	1	1	3	2	1	1.3
CO2	3	3	3	2	1	1	1	3	2	1	1.3
CO3	3	2	3	2	1	1	1	3	2	1	1.3
CO4	2	2	3	2	1	1	1	3	2	1	1
CO5	2	2	3	2	1	1	1	3	2	1	1.3
CO6	3	2	2	2	1	1	1	3	2	1	1.3
AVG	2.67	2.17	2.67	2.00	1.00	1.00	1.00	3.00	2.00	1.00	
COURSE :		253000201 Environmental Conservation and Hazard Management(ECHM)									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	2	2	1	1	3	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	2	1	1	1	1
CO5	3	2	3	2	2	1	1	3	1	1	1.3
CO6	2	3	3	2	1	1	3	3	1	3	1.3
AVG	1.83	1.67	1.83	1.50	1.67	1.17	1.67	1.83	1.33	1.67	

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COURSE :		253000202 English-2									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	2	2	1	2	2	2	2	1.3
CO4	2	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.83	1.67	1.83	1.67	1.67	1.17	1.50	2.00	1.50	1.67	
COURSE :		12300010 Basic Program in Entrepreneurship									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	2	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	2	1	1	1	2	2	1	1	2	1	1
CO5	3	2	3	2	2	1	1	3	2	2	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.83	1.67	1.83	1.50	1.67	1.33	1.50	1.83	1.67	2.00	
Semester III											
COURSE :		253010301 Cellular Biology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	2	2	3	2	1.3
CO2	3	3	2	3	1	2	2	2	3	2	1.3
CO3	3	3	2	3	1	2	2	2	3	2	1.3
CO4	3	3	2	3	1	2	2	2	3	2	1
CO5	3	3	2	3	1	2	2	2	3	2	1.3
CO6	3	3	2	3	1	2	2	2	3	2	1.3
AVG	3.00	2.83	2.00	3.00	1.00	2.00	2.00	2.00	3.00	2.00	
COURSE :		253010302 Molecular Biology-I									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	2	3	2	2	3	2	3	2	1.3
CO2	3	3	2	3	2	3	3	3	3	2	1.3
CO3	3	3	2	3	2	3	3	3	3	2	1.3
CO4	3	3	2	3	2	3	3	3	3	2	1
CO5	3	3	2	3	2	3	3	3	3	2	1.3
CO6	3	3	2	3	2	3	3	3	3	2	1.3
AVG	3.00	3.00	2.00	3.00	2.00	2.83	3.00	2.83	3.00	2.00	

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COURSE :		253010303 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	2	3	2	1	1.3
CO2	3	2	2	3	1	2	1	3	2	1	1.3
CO3	3	3	3	3	1	2	2	3	2	2	1.3
CO4	3	2	2	3	1	2	2	3	2	1	1
CO5	3	3	3	3	2	2	3	3	3	2	1.3
CO6	3	3	2	3	2	3	2	3	3	2	1.3
AVG	3.00	2.50	2.33	3.00	1.33	2.17	2.00	3.00	2.33	1.50	
COURSE :		253040301 Microbial Physiology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	1	3	2	1	1.3
CO2	3	3	3	2	1	2	1	3	2	1	1.3
CO3	3	3	3	2	1	2	1	3	2	1	1.3
CO4	2	2	2	2	2	1	1	3	3	2	1
CO5	3	3	2	2	2	1	1	3	2	2	1.3
CO6	3	3	2	3	2	1	1	3	2	2	1.3
AVG	2.83	2.67	2.33	2.17	1.50	1.50	1.00	3.00	2.17	1.50	
COURSE :		253040302 Soil & Water Microbiology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	1	3	2	1	1.3
CO2	3	3	3	2	1	2	1	3	2	1	1.3
CO3	3	3	3	2	1	2	1	3	2	1	1.3
CO4	2	2	2	2	2	1	1	3	3	2	1
CO5	3	3	2	2	2	1	1	3	2	2	1.3
CO6	3	3	2	3	2	1	1	3	2	2	1.3
AVG	2.83	2.67	2.33	2.17	1.50	1.50	1.00	3.00	2.17	1.50	
COURSE :		253040303 Microbiology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	1	2	1	3	3	3	1.3
CO2	3	2	2	2	1	2	1	3	3	2	1.3
CO3	3	3	2	3	1	2	1	3	3	2	1.3
CO4	3	2	2	2	2	1	1	3	2	2	1
CO5	3	3	2	2	2	2	1	3	2	1	1.3
CO6	3	3	2	3	2	2	1	3	2	2	1.3
AVG	3.00	2.50	2.17	2.33	1.50	1.83	1.00	3.00	2.50	2.00	





COURSE :		253000302 Communication Skills - 1									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.67	1.83	1.50	1.67	1.17	1.50	1.83	1.50	1.67	
COURSE :		12300011 Intellectual Property Rights									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	1	1	2	2	1	2	1	3	1	2	1.3
CO3	1	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.67	1.83	1.50	1.67	1.17	1.50	2.00	1.50	1.67	
Semester IV											
COURSE :		253010401 Immunology-I									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	2	2	3	2	1	1.3
CO2	3	3	2	2	1	2	2	2	2	2	1.3
CO3	3	2	2	3	1	2	2	2	2	1	1.3
CO4	3	2	2	3	1	2	2	3	2	2	1
CO5	3	3	2	3	1	2	2	3	2	2	1.3
CO6	3	3	3	3	2	3	2	3	2	2	1.3
AVG	3.00	2.50	2.17	2.83	1.33	2.17	2.00	2.67	2.00	1.67	
COURSE :		253010402 Bioinstrumentation									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	2	3	2	2	1.3
CO2	3	3	2	3	1	2	2	3	2	1	1.3
CO3	3	2	2	3	1	2	2	3	2	1	1.3
CO4	3	3	2	3	2	2	2	3	2	2	1
CO5	3	2	2	2	2	2	2	2	3	2	1.3
CO6	3	3	3	2	2	3	2	3	3	2	1.3
AVG	3.00	2.50	2.17	2.67	1.50	2.17	2.00	2.83	2.33	1.67	





COURSE :		253010403 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	2	2	2	3	2	3	1.3
CO2	3	3	2	3	2	2	2	3	2	2	1.3
CO3	3	3	3	3	2	2	2	3	2	2	1.3
CO4	3	2	2	3	2	2	2	3	2	2	1
CO5	3	2	2	3	2	2	2	3	2	2	1.3
CO6	3	3	3	3	2	3	2	3	2	2	1.3
AVG	3.00	2.50	2.50	3.00	2.00	2.17	2.00	3.00	2.00	2.17	
COURSE :		25304001 Bacterial Diversity									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	1	3	2	1	1.3
CO2	3	3	2	2	1	2	1	3	3	2	1.3
CO3	3	3	2	3	1	2	1	3	2	2	1.3
CO4	3	2	2	2	2	1	1	3	2	2	1
CO5	3	3	2	2	2	1	1	3	2	2	1.3
CO6	3	3	2	3	2	2	1	3	2	3	1.3
AVG	3.00	2.67	2.00	2.33	1.50	1.67	1.00	3.00	2.17	2.00	
COURSE :		253040402 Food & Dairy Microbiology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	1	1	2	1	3	2	2	1.3
CO2	3	3	2	2	1	2	1	3	2	2	1.3
CO3	3	3	2	2	1	2	1	3	2	2	1.3
CO4	3	2	2	2	1	2	1	3	2	2	1
CO5	3	2	2	2	1	2	1	3	2	3	1.3
CO6	3	2	2	2	2	2	1	3	2	3	1.3
AVG	3.00	2.33	2.00	1.83	1.17	2.00	1.00	3.00	2.00	2.33	
COURSE :		253040303 Microbiology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	1	2	3	2	2	1.3
CO2	3	3	2	2	1	2	1	3	2	2	1.3
CO3	3	2	2	3	2	1	1	3	2	2	1.3
CO4	3	2	2	2	2	1	1	3	2	2	1
CO5	3	2	2	2	2	1	1	3	2	3	1.3
CO6	3	2	2	3	2	2	1	3	2	3	1.3
AVG	3.00	2.17	2.00	2.50	1.83	1.33	1.17	3.00	2.00	2.33	





COURSE :		253000402 Communication Skills - 2									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	1	2	2	1	2	1	1	1	2	1.3
CO3	1	1	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	1	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.50	1.83	1.50	1.67	1.17	1.50	1.67	1.50	1.67	
COURSE :		12300012 Intermediate Program in Entrepreneurship									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	2	1.3
CO2	1	1	2	2	1	2	1	3	1	2	1.3
CO3	2	2	1	1	2	1	2	1	2	2	1.3
CO4	1	1	1	2	2	1	1	2	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	2	3	3	2	2	1	3	3	1	3	1.3
AVG	1.67	1.67	1.83	1.67	1.67	1.17	1.50	2.17	1.50	1.83	
Semester V											
COURSE :		253010501 Fermentation Technology-I									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	2	2	2	2	1.3
CO2	3	3	3	3	2	2	2	3	2	2	1.3
CO3	3	2	3	3	1	2	3	3	2	2	1.3
CO4	3	2	2	3	1	2	2	3	2	2	1
CO5	3	3	3	2	2	2	2	3	2	2	1.3
CO6	3	2	3	3	1	2	2	3	2	2	1.3
AVG	3.00	2.33	2.67	2.67	1.33	2.00	2.17	2.83	2.00	2.00	
COURSE :		253010502 Molecular Techniques									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	1	3	2	2	1.3
CO2	3	3	2	2	1	2	1	2	2	2	1.3
CO3	3	2	2	2	1	2	1	3	2	2	1.3
CO4	3	2	2	2	1	2	1	3	2	2	1
CO5	3	2	2	2	1	2	1	2	2	2	1.3
CO6	3	2	2	2	1	2	1	2	2	2	1.3
AVG	3.00	2.17	2.00	2.17	1.00	2.00	1.00	2.50	2.00	2.00	





COURSE :		253010503 Environmental Biotechnology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	1	2	2	1	1.3
CO2	3	2	2	2	1	2	1	2	2	2	1.3
CO3	3	2	2	3	1	2	2	2	2	2	1.3
CO4	3	2	2	2	1	2	2	3	2	2	1
CO5	3	2	2	2	1	2	2	3	2	2	1.3
CO6	3	2	2	3	1	2	2	3	2	2	1.3
AVG	3.00	2.00	2.00	2.33	1.00	2.00	1.67	2.50	2.00	1.83	
COURSE :		253010504 Genetic Engineering and Tissue culture									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	2	3	3	2	3	1.3
CO2	3	3	3	3	2	2	2	3	2	2	1.3
CO3	3	2	2	3	2	2	3	2	2	2	1.3
CO4	3	3	2	3	2	2	2	3	2	2	1
CO5	3	2	2	2	3	2	2	2	3	2	1.3
CO6	3	2	2	3	2	2	2	2	3	2	1.3
AVG	3.00	2.33	2.17	2.83	2.17	2.00	2.33	2.50	2.33	2.17	
COURSE :		253010505 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	2	1	2	2	2	1.3
CO2	3	2	2	2	1	2	1	2	2	2	1.3
CO3	3	2	2	2	1	2	1	3	2	2	1.3
CO4	3	2	2	3	1	2	1	3	2	2	1
CO5	3	2	2	2	1	2	1	2	2	2	1.3
CO6	3	2	2	3	1	2	3	2	2	3	1.3
AVG	3.00	2.00	2.00	2.50	1.00	2.00	1.33	2.33	2.00	2.17	
COURSE :		Environmental Sciences 253000503									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	2	2	3	2	1	2	3	2	2	1.3
CO2	3	3	2	2	1	2	1	2	2	2	1.3
CO3	1	1	2	1	2	1	1	3	1	2	1.3
CO4	1	2	2	1	2	1	2	2	2	2	1
CO5	3	2	2	2	2	1	2	2	1	2	1.3
CO6	2	2	2	3	2	2	1	3	2	1	1.3
AVG	1.83	2.00	2.00	2.00	1.83	1.33	1.50	2.50	1.67	1.83	





COURSE :		Advance Program in Entrepreneurship 12300013									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	2	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	2	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	2	1	1.3
CO6	1	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.83	1.83	1.50	1.67	1.17	1.50	2.00	1.50	1.67	
Semester VI											
COURSE :		253010601 Fermentation Technology-II									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	3	2	2	2	3	2	2	1.3
CO2	3	2	3	3	2	2	2	3	2	2	1.3
CO3	3	3	3	3	2	2	2	3	2	2	1.3
CO4	3	3	2	3	2	2	3	3	2	2	1
CO5	3	3	3	2	2	2	2	3	2	3	1.3
CO6	3	3	3	3	2	2	2	3	2	3	1.3
AVG	3.00	2.67	2.83	2.83	2.00	2.00	2.17	3.00	2.00	2.33	
COURSE :		253010602 Enzymology									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	3	2	2	2	3	1.3
CO2	3	2	2	2	2	3	2	2	2	2	1.3
CO3	3	2	3	2	1	3	2	3	2	3	1.3
CO4	3	2	2	2	2	3	2	2	2	2	1
CO5	3	2	2	2	2	3	1	2	2	2	1.3
CO6	3	2	2	3	2	3	2	2	2	3	1.3
AVG	3.00	2.00	2.17	2.33	1.67	3.00	1.83	2.17	2.00	2.50	
COURSE :		253010603 Molecular Biology-II									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	1	2	3	2	2	2	2	1.3
CO2	3	2	2	1	2	3	2	2	2	2	1.3
CO3	3	2	2	1	2	3	2	2	2	2	1.3
CO4	3	2	2	1	2	3	2	2	2	2	1
CO5	3	2	2	3	2	3	2	2	2	2	1.3
CO6	3	2	2	3	2	3	2	2	2	2	1.3
AVG	3.00	2.00	2.00	1.67	2.00	3.00	2.00	2.00	2.00	2.00	





COURSE :		253010604 Biosafety, Bioethics & IPR									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	Low	2	2	2	2	2	1.3
CO2	3	3	3	2	2	3	2	2	2	3	1.3
CO3	3	3	2	2	2	3	2	2	2	3	1.3
CO4	3	2	2	3	2	2	2	2	2	2	1
CO5	3	2	2	2	3	2	2	2	2	2	1.3
CO6	3	3	2	2	2	3	2	2	2	3	1.3
AVG	3.00	2.50	2.17	2.33	2.20	2.50	2.00	2.00	2.00	2.50	
COURSE :		253010605 Biotechnology Practicals									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	2	2	2	2	1.3
CO2	3	3	2	3	Low	2	2	2	2	2	1.3
CO3	3	2	2	2	2	2	2	2	2	2	1.3
CO4	3	2	2	3	2	2	2	3	2	2	1
CO5	3	2	2	2	3	2	2	2	2	3	1.3
CO6	3	2	3	2	2	2	2	2	2	3	1.3
AVG	3.00	2.17	2.17	2.33	2.20	2.00	2.00	2.17	2.00	2.33	
COURSE :		Environmental Sciences 253000603									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	2	2	3	2	1	2	3	2	2	1.3
CO2	3	1	2	2	1	2	1	2	2	2	1.3
CO3	1	1	1	1	2	1	1	1	1	2	1.3
CO4	1	2	2	1	2	1	2	2	2	2	1
CO5	3	2	2	2	1	1	2	2	1	2	1.3
CO6	2	2	2	3	2	2	1	3	2	1	1.3
AVG	1.83	1.67	1.83	2.00	1.67	1.33	1.50	2.17	1.67	1.83	
COURSE :		Startup Project 12300014									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	1	1	1	2	1	1.3
CO2	2	2	2	2	1	2	1	2	1	2	1.3
CO3	1	2	1	1	2	1	2	2	2	2	1.3
CO4	1	1	1	1	2	1	1	1	1	1	1
CO5	3	2	3	2	2	1	1	3	1	1	1.3
CO6	1	3	3	2	2	1	3	3	1	3	1.3
AVG	1.50	1.83	1.83	1.50	1.67	1.17	1.50	2.00	1.33	1.67	





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CO-PO matrix for M.Sc. Biotechnology											
COURSE		Gene Structure and Function: 256010101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	2	2	2	2	2.1
CO2	3	3	3	3	2	2	2	2	2	2	2.4
CO3	3	2	3	3	2	2	2	2	2	2	2.3
CO4	3	2	2	3	2	3	2	2	2	2	2.3
CO5	3	2	3	2	2	2	2	2	2	2	2.2
CO6	3	2	2	3	2	3	2	2	2	3	2.4
AVG	3	2.17	2.5	2.67	2	2.33	2	2	2	2.17	2.31
COURSE		Bioinstrumentation: 256010102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	2	2	2	2	2	2.8
CO2	3	3	3	3	2	3	2	2	2	2	2.8
CO3	3	3	3	3	2	2	2	2	2	2	2.8
CO4	3	2	3	3	2	3	2	2	2	2	2.8
CO5	3	2	3	2	2	3	2	2	2	2	2.5
CO6	3	2	2	3	2	3	2	2	2	3	3
AVG	3	2.33	2.67	2.83	2.00	2.67	2.00	2.00	2.00	2.17	
COURSE		Microbial Diversity : 256010103									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	2	2	2	2	1.67
CO2	3	3	3	3	2	2	2	2	2	3	2
CO3	3	3	3	3	2	3	2	2	2	2	2.5
CO4	3	3	3	3	2	3	2	2	2	2	2.75
CO5	3	2	3	2	3	2	2	2	2	3	2.75
CO6	3	2	2	3	2	3	2	2	2	3	2.4
AVG	3.00	2.50	2.67	2.67	2.17	2.50	2.00	2.00	2.00	2.50	
COURSE		Biogeohydrotechnology and Biofuels: 256010104									
CO	PO1	PO2	TOTAL	FAIL	EXT	INT	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	3	3	2	2	2	2	2
CO2	3	3	3	3	3	3	3	2	2	2	1.8
CO3	2	3	3	2	2	3	2	2	2	2	1.8
CO4	2	2	2	3	2	3	2	2	2	1	1.5
CO5	3	3	2	3	3	3	2	2	3	2	1.5
CO6	3	2	2	3	2	3	2	2	2	3	1.7
AVG	2.67	2.50	2.33	2.67	2.50	3.00	2.17	2.00	2.17	2.00	
COURSE		Biotechnology Practicals: 256010105									

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CO	PO1	PO2	16	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	1	3	2	2	2	1	1.3
CO2	2	2	2	3	1	2	2	2	2	1	1.3
CO3	3	2	2	2	1	3	2	2	2	1	1.3
CO4	3	2	3	3	2	3	2	2	2	1	1
CO5	2	2	2	3	1	3	2	2	2	1	1.3
CO6	3	2	3	3	2	3	2	2	2	2	1.3
AVG	2.67	2.00	2.50	2.67	1.33	2.83	2.00	2.00	2.00	1.17	

MSc sem 2 Buitechnology

COURSE		Microbial Genetics: 256010201									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	2	2	2	2	2	1	1.3
CO2	2	3	2	2	3	2	2	2	2	1	1.3
CO3	3	2	3	2	2	2	2	2	2	1	1.3
CO4	2	2	3	3	2	2	2	2	2	1	1
CO5	3	3	2	2	2	2	2	2	2	1	1.3
CO6	2	2	2	3	2	3	2	2	2	1	1.3
AVG	2.50	2.33	2.50	2.33	2.17	2.17	2.00	2.00	2.00	1.00	

COURSE		Immunology: 256010202									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	2	2	2	2	1	1.3
CO2	3	2	2	2	2	2	2	2	2	1	1.3
CO3	3	3	2	2	2	2	2	2	2	1	1.3
CO4	2	3	2	3	2	2	2	2	2	1	1
CO5	3	2	2	3	2	2	2	2	2	1	1.3
CO6	3	2	3	2	2	3	2	2	2	1	1.3
AVG	2.83	2.33	2.17	2.50	2.00	2.17	2.00	2.00	2.00	1.00	

COURSE		Bioprocess Technology: 256010203									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	2	2	2	1	1.3
CO2	2	2	2	2	2	2	2	2	2	1	1.3
CO3	3	3	2	3	2	2	2	2	2	1	1.3
CO4	2	2	3	3	2	2	2	2	2	1	1
CO5	2	2	3	2	3	2	2	2	2	1	1.3
CO6	2	2	3	2	2	3	2	2	2	1	1.3
AVG	2.33	2.17	2.50	2.33	2.17	2.17	2.00	2.00	2.00	1.00	





COURSE		Tools and techniques in synthetic microbiology: 256010204									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	1	2	2	2	1	1	1.3
CO2	3	2	2	2	2	2	2	2	1	1	1.3
CO3	3	2	3	2	2	3	2	2	2	1	1.3
CO4	2	2	2	2	2	2	2	2	1	1	1
CO5	2	2	2	2	2	2	2	2	1	1	1.3
CO6	2	2	3	3	2	3	2	2	1	1	1.3
AVG	2.50	2.00	2.33	2.17	1.83	2.33	2.00	2.00	1.17	1.00	
COURSE		Biotechnology Practical : 256010205									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	1	3	2	2	2	1	1.3
CO2	2	2	3	3	1	3	2	2	2	1	1.3
CO3	3	2	3	3	1	3	2	2	2	2	1.3
CO4	3	2	3	3	2	3	2	2	2	1	1
CO5	3	2	3	2	1	3	2	2	2	1	1.3
CO6	3	3	3	3	2	3	2	2	2	2	1.3
AVG	2.83	2.17	3.00	2.67	1.33	3.00	2.00	2.00	2.00	1.33	
MSc sem 3											
COURSE		Microbial Biotechnology : 256010301									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	2	2	2	2	1	1.3
CO2	3	2	2	3	2	2	2	2	2	1	1.3
CO3	3	2	3	3	2	3	2	2	2	2	1.3
CO4	2	2	2	2	2	2	2	2	2	2	1
CO5	3	2	2	2	2	2	2	2	2	2	1.3
CO6	3	2	2	3	2	2	2	2	2	2	1.3
AVG	2.83	2.00	2.17	2.67	2.00	2.17	2.00	2.00	2.00	1.67	
		ENZYMOLGY : 256010302									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
	3	2	2	3	2	2	2	2	2	1	1.3
CO2	3	2	2	3	2	2	2	2	2	1	1.3
CO3	3	3	3	3	2	3	2	2	2	2	1.3
CO4	3	2	3	3	2	2	2	2	2	2	1
CO5	3	2	3	3	2	3	2	2	2	2	1.3
CO6	3	2	2	3	2	3	2	2	2	2	1.3
AVG	3.00	2.17	2.50	3.00	2.00	2.50	2.00	2.00	2	1.67	





COURSE		r-DNA technology: 256010303									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	2	3	2	2	2	2	1.3
CO2	3	2	2	3	2	3	2	2	2	2	1.3
CO3	3	3	3	3	2	3	2	2	2	2	1.3
CO4	2	2	3	3	2	2	2	2	2	2	1
CO5	3	2	3	3	2	3	2	2	2	2	1.3
CO6	3	2	3	3	2	3	2	2	2	2	1.3
AVG	2.83	2.17	2.67	3.00	2.00	2.83	2.00	2.00	2.00	2.00	
COURSE		Animal Tissue Culture and Pharmaceutical Biotechnology: 256010304									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	2	2	2	2	1.3
CO2	3	2	3	3	2	2	2	2	2	2	1.3
CO3	2	2	2	2	2	2	2	2	2	2	1.3
CO4	2	2	2	3	2	2	2	2	2	2	1
CO5	3	2	2	3	2	2	3	2	2	2	1.3
CO6	2	2	2	2	2	2	3	2	2	2	1.3
AVG	2.50	2.00	2.17	2.50	2.00	2.00	2.33	2.00	2.00	2.00	
COURSE		Biotechnology Practicals : 256010305									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	2	2	2	23	1.3
CO2	2	2	3	3	2	2	2	2	2	2	1.3
CO3	2	2	2	2	2	2	2	2	2	2	1.3
CO4	2	2	2	3	2	2	2	2	2	2	1
CO5	3	2	2	3	2	2	3	2	2	2	1.3
CO6	2	2	2	2	2	2	3	2	2	2	1.3
AVG	2.33	2.00	2.17	2.50	2.00	2.00	2.33	2.00	2.00	5.50	
COURSE		M.Sc. Semester IV									
COURSE		Plant Biotechnology : 256010401									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	2	2	2	2	1.3
CO2	2	3	2	2	2	2	2	2	2	2	1.3
CO3	3	2	2	2	2	2	2	2	2	2	1.3
CO4	3	2	3	2	2	2	2	2	2	2	1
CO5	2	2	2	2	3	2	2	2	2	2	1.3
CO6	3	2	2	2	2	2	2	2	2	3	1.3
AVG	2.67	2.17	2.17	2.00	2.17	2.00	2.00	2.00	2.00	2.17	





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COURSE		Environmental Biotechnology: 256010402									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	3	2	2	2	2	1	1.3
CO2	3	3	2	2	3	2	2	2	2	1	1.3
CO3	3	2	3	2	2	2	2	2	2	1	1.3
CO4	2	2	3	3	2	2	2	2	2	1	1
CO5	3	3	2	2	2	2	2	2	2	1	1.3
CO6	2	2	2	3	2	3	2	2	2	1	1.3
AVG	2.67	2.33	2.50	2.33	2.33	2.17	2.00	2.00	2.00	1.00	
COURSE		Biotechnology Practicals: 256010403									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	1	3	2	2	2	1	1.3
CO2	2	1	2	2	1	2	2	2	1	1	1.3
CO3	2	2	2	2	1	2	2	2	1	1	1.3
CO4	2	2	2	3	1	3	2	2	2	1	1
CO5	2	2	2	3	1	3	2	2	2	1	1.3
CO6	3	2	3	3	2	3	2	2	2	1	1.3
AVG	2.33	1.83	2.17	2.67	1.17	2.67	2.00	2.00	1.67	1.00	
COURSE		Dissertation 256010404									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	3	3	3	2	2	2	1	1.3
CO2	3	1	2	2	3	2	2	2	1	1	1.3
CO3	3	2	2	2	3	2	2	2	1	1	1.3
CO4	3	2	2	3	1	3	2	2	2	1	1
CO5	3	2	2	3	1	3	2	2	2	1	1.3
CO6	3	2	3	3	2	3	2	2	2	1	1.3
AVG	3.00	1.83	2.17	2.67	2.17	2.67	2.00	2.00	1.67	1.00	

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M.Sc. Microbiology

Course Name :		256030101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	2	2	2	2	2	2	2	2.1
CO2	3	3	3	3	2	2	2	2	2	2	2.4
CO3	3	2	3	3	2	2	2	2	2	2	2.3
CO4	3	2	2	3	2	3	2	2	2	2	2.3
CO5	3	2	3	2	2	2	2	2	2	2	2.2
CO6	3	2	3	3	2	3	2	2	2	3	2.5
AVG	3.00	2.17	2.67	2.67	2.00	2.33	2.00	2.00	2.00	2.17	2.34
Course Name :		Bioinstrumentation : 256030102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	3	2	2	2	2	2	2	2.8
CO2	3	3	3	3	2	3	2	2	2	2	2.8
CO3	3	3	3	3	2	2	2	2	2	2	2.8
CO4	3	2	3	3	2	3	2	2	2	2	2.8
CO5	3	2	3	2	2	3	2	2	2	2	2.5
CO6	3	2	2	3	2	3	2	2	2	3	3
AVG	3.00	2.33	2.67	2.83	2.00	2.67	2.00	2.00	2.00	2.17	
Course Name :		Microbial Diversity: 256030103									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	2	2	2	2	2	2	2	1.67
CO2	3	3	3	3	2	2	2	2	2	3	2
CO3	3	3	3	3	2	3	2	2	2	2	2.5
CO4	3	3	3	3	2	3	2	2	2	2	2.75
CO5	3	2	3	2	3	2	2	2	2	3	2.75
CO6	3	2	2	3	2	3	2	2	2	3	2.4
AVG	3.00	2.50	2.67	2.67	2.17	2.50	2.00	2.00	2.00	2.50	
Course Name :		Biogeohydrotechnology and Biofue :256030104									
CO	PO1	PO2	TOTAL	FAIL	EXT	INT	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	2	3	3	2	2	2	2	2
CO2	3	3	3	3	3	3	3	2	2	2	1.8
CO3	2	3	3	2	2	3	2	2	2	2	1.8
CO4	2	2	2	3	2	3	2	2	2	1	1.5
CO5	3	3	2	3	3	3	2	2	3	2	1.5
CO6	3	2	2	3	3	3	2	2	2	3	1.7
AVG	2.67	2.50	2.33	2.67	2.67	3.00	2.17	2.00	2.17	2	





Course Name :		Microbiology Practicals: 256030105									
CO	PO1	2	16	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	3	2	1	3	2	2	2	1	1.3
CO2	2	2	2	3	1	2	2	2	2	1	1.3
CO3	3	2	2	2	1	3	2	2	2	1	1.3
CO4	3	2	3	3	2	3	2	2	2	1	1
CO5	2	2	2	3	1	3	2	2	2	1	1.3
CO6	3	2	3	3	2	3	2	2	2	2	1.3
AVG	2.67	2.00	2.50	2.67	1.33	2.83	2.00	2.00	2.00	1.17	

Course Name :		Microbial Genetics : 256030201									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	3	2	2	2	2	2	2	1	1.3
CO2	3	3	2	2	3	2	2	2	2	1	1.3
CO3	3	2	3	2	2	2	2	2	2	1	1.3
CO4	2	2	3	3	2	2	2	2	2	1	1
CO5	3	3	2	2	2	2	2	2	2	1	1.3
CO6	2	2	2	3	2	3	2	2	2	1	1.3
AVG	2.67	2.33	2.50	2.33	2.17	2.17	2.00	2.00	2.00	1.00	

Course Name :		Immunology: 256030202									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	3	2	2	2	2	2	1	1.3
CO2	3	2	2	2	2	2	2	2	2	1	1.3
CO3	3	3	2	2	2	2	2	2	2	1	1.3
CO4	2	3	2	3	2	2	2	2	2	1	1
CO5	3	2	2	3	2	2	2	2	2	1	1.3
CO6	3	2	3	2	2	3	2	2	2	1	1.3
AVG	2.83	2.33	2.17	2.50	2.00	2.17	2.00	2.00	2.00	1.00	

Course Name :		Bioprocess Technology: 256030203									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	2	2	2	2	2	2	1	1.3
CO2	2	2	2	2	2	2	2	2	2	1	1.3
CO3	3	3	2	3	2	2	2	2	2	1	1.3
CO4	2	2	3	3	2	2	2	2	2	1	1
CO5	2	2	3	2	3	2	2	2	2	1	1.3
CO6	2	2	3	2	2	3	2	2	2	1	1.3
AVG	2.33	2.17	2.50	2.33	2.17	2.17	2.00	2.00	2.00	1.00	





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Course Name :		Tools and techniques in synthetic microbiology : 256030204									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	2	1	2	2	2	1	1	1.3
CO2	3	2	2	2	2	2	2	2	1	1	1.3
CO3	3	2	3	2	2	3	2	2	2	1	1.3
CO4	2	2	2	2	2	2	2	2	1	1	1
CO5	2	2	2	3	2	2	2	2	1	1	1.3
CO6	2	2	3	3	2	3	2	2	1	1	1.3
AVG	2.50	2.00	2.33	2.33	1.83	2.33	2.00	2.00	1.17	1.00	
Course Name :		Microbiology Practicals : 256030205									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	3	2	1	3	2	2	2	1	1.3
CO2	2	2	3	3	1	3	2	2	2	1	1.3
CO3	3	2	3	3	1	3	2	2	2	2	1.3
CO4	3	2	3	3	2	3	2	2	2	1	1
CO5	3	2	3	2	1	3	2	2	2	1	1.3
CO6	3	3	3	3	2	3	2	2	2	2	1.3
AVG	2.83	2.17	3.00	2.67	1.33	3.00	2.00	2.00	2.00	1.33	
MSc sem 3											
Course Name :		Microbial Biotechnology: 256030301									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	3	2	2	2	2	2	1	1.3
CO2	3	2	2	3	2	2	2	2	2	1	1.3
CO3	3	2	3	3	2	3	2	2	2	2	1.3
CO4	2	2	2	2	2	2	2	2	2	2	1
CO5	2	2	2	2	2	2	2	2	2	2	1.3
CO6	3	2	2	3	2	2	2	2	2	2	1.3
AVG	2.67	2.00	2.17	2.67	2.00	2.17	2.00	2.00	2.00	1.67	
Course Name :		ENZYMOLGY: 256030302									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	3	2	2	2	2	2	1	1.3
CO2	3	2	2	3	2	2	2	2	2	1	1.3
CO3	3	3	3	3	2	3	2	2	2	2	1.3
CO4	2	2	3	3	2	2	2	2	2	2	1
CO5	3	2	3	3	2	3	2	2	2	2	1.3
CO6	3	2	2	3	2	3	2	2	2	2	1.3
AVG	2.83	2.17	2.50	3.00	2.00	2.50	2.00	2.00	2.00	1.67	







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Course Name :		r-DNA Technology : 256030402									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	3	2	2	2	2	2	2	1.3
CO2	3	2	2	3	2	2	2	2	2	2	1.3
CO3	3	3	3	3	2	3	2	2	2	2	1.3
CO4	2	2	3	3	2	2	2	2	2	2	1
CO5	3	2	3	3	2	3	2	2	2	2	1.3
CO6	3	2	2	3	2	3	2	2	2	3	1.3
AVG	2.83	2.17	2.50	3.00	2.00	2.50	2.00	2.00	2.00	2.17	
Course Name :		Microbiology Practicals : 256030403									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	3	3	2	2	1	1	2	1	1	1.3
CO2	3	3	2	3	2	2	1	2	2	1	1.3
CO3	3	2	2	2	1	2	2	1	1	1	1.3
CO4	3	2	2	2	1	2	1	2	1	1	1
CO5	3	3	3	2	2	3	2	2	2	2	1.3
CO6	3	3	3	3	2	2	2	2	2	2	1.3
AVG	3.00	2.67	2.50	2.33	1.67	2.00	1.50	1.83	1.50	1.33	
Course Name :		Dissertation 256010404									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	AVG
CO1	3	2	2	3	3	3	2	2	2	1	1.3
CO2	3	1	2	2	3	2	2	2	1	1	1.3
CO3	3	2	2	2	3	2	2	2	1	1	1.3
CO4	3	2	2	3	1	3	2	2	2	1	1
CO5	3	2	2	3	1	3	2	2	2	1	1.3
CO6	3	2	3	3	2	3	2	2	2	1	1.3
AVG	3.00	1.83	2.17	2.67	2.17	2.67	2.00	2.00	1.67	1.00	

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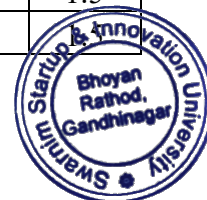
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M.Sc. Chemistry

Course Name :		Organic Chemistry -I : 256020101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	1	3	3	1	3	3	1	3	2	2.3
CO2	3	1	2	3	1	2	3	2	3	2	2.2
CO3	3	2	2	1	2	2	1	3	1	3	2
CO4	3	3	3	1	3	3	2	1	1	3	2.3
CO5	3	1	3	3	3	3	2	1	1	1	2.1
CO6	3	2	1	3	2	2	1	2	1	3	2
AVG	3.00	1.67	2.33	2.33	2.00	2.50	2.00	1.67	1.67	2.33	2.21
Course Name :		Inorganic Chemistry -I 256020102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	1	2	3	1	1	2	3	2.8
CO2	3	3	2	2	2	3	1	3	2	3	2.8
CO3	3	1	3	1	1	3	2	3	1	2	2.8
CO4	3	1	2	3	3	2	3	1	3	2	2.8
CO5	3	2	3	1	1	1	2	3	3	2	2.5
CO6	3	3	1	3	1	2	1	2	2	2	3
AVG	3.00	2.17	2.33	1.83	1.67	2.33	1.67	2.17	2.17	2.33	
Course Name :		Physical Chemistry - I : 256020103									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	1	2	1	3	2	1	2	1	1.67
CO2	1	3	3	1	2	2	1	2	1	3	2
CO3	2	2	1	2	2	1	2	1	2	1	2.5
CO4	1	1	2	1	3	1	2	2	2	1	2.75
CO5	3	3	3	2	1	3	2	2	1	3	2.75
CO6	2	2	1	3	3	2	1	3	3	3	2.4
AVG	1.83	2.17	1.83	1.83	2.00	2.00	1.67	1.83	1.83	2.00	
Course Name :		Analytical Chemistry - I : 256020104									
CO	PO1	PO2	TOTAL	FAIL	EXT	INT	PO7	PO8	PO9	PO10	CO AVG
CO1	1	1	1	1	1	2	1	3	1	2	2
CO2	2	2	1	2	1	1	2	1	2	1	1.8
CO3	1	1	3	1	2	2	1	3	1	2	1.8
CO4	1	2	2	1	3	1	2	2	1	1	1.5
CO5	3	1	1	3	1	2	1	1	3	2	





CO6	3	3	3	3	2	3	3	3	3	3	1.7
AVG	1.83	1.67	1.83	1.83	1.67	1.83	1.67	2.17	1.83	1.83	
Course Name :		Chemistry Practical : 256020105									
CO	PO1	2	16	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	3	1	3	2	1	3	1	1.3
CO2	1	3	3	1	3	2	1	2	1	2	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	3	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	2.00	2.50	1.83	2.00	2.00	2.00	1.83	1.67	2.00	1.83	
Course Name :		Organic Chemistry -II : 256020201									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	1	3	1	3	2	1	2	3	1.3
CO2	1	3	3	1	2	1	1	2	1	1	1.3
CO3	2	2	1	2	2	1	2	1	1	1	1.3
CO4	1	1	2	1	3	1	2	2	2	3	1
CO5	3	3	3	2	2	3	2	1	2	3	1.3
CO6	2	2	1	3	2	2	1	3	1	3	1.3
AVG	1.83	2.17	1.83	2.00	2.00	1.83	1.67	1.67	1.50	2.33	
Course Name :		Inorganic Chemistry -II : 256020202									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	3	1	3	3	1	3	1	1.3
CO2	1	3	3	1	2	3	1	2	1	2	1.3
CO3	2	2	1	2	3	1	2	1	2	1	1.3
CO4	1	2	2	1	3	1	3	2	2	1	1
CO5	2	2	3	2	1	1	2	1	1	3	1.3
CO6	2	3	1	3	2	2	3	3	3	3	1.3
AVG	1.83	2.33	1.83	2.00	2.00	1.83	2.33	1.67	2.00	1.83	





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Course Name :		Physical Chemistry -II : 256020203									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	1	2	1	3	2	1	2	1	1.3
CO2	2	3	3	1	3	2	1	2	1	3	1.3
CO3	2	2	2	2	2	1	2	1	2	1	1.3
CO4	1	1	2	1	3	2	1	2	1	1	1
CO5	3	3	3	2	2	3	2	1	2	3	1.3
CO6	2	2	1	3	3	2	1	3	3	3	1.3
AVG	2.00	2.17	2.00	1.83	2.33	2.17	1.50	1.67	1.83	2.00	
Course Name :		Analytic Chemistry-II :256020204									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	1	1	1	2	2	1	2	1	1.3
CO2	1	3	3	2	3	3	1	2	1	3	1.3
CO3	2	2	1	3	2	1	2	1	2	1	1.3
CO4	1	1	2	1	2	2	2	2	2	1	1
CO5	2	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	3	2	1	3	3	3	1.3
AVG	1.83	2.17	1.83	2.00	2.00	2.17	1.67	1.67	1.83	2.00	
Course Name :		Chemistry Practical : 256020205									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	1	2	1	1	2	1	3	1	1.3
CO2	1	2	3	1	3	2	1	2	1	2	1.3
CO3	2	3	2	2	2	1	2	1	2	1	1.3
CO4	1	2	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	3	3	3	3	3	3	1.3
AVG	2.00	2.50	2.00	1.83	2.17	1.83	2.17	1.67	2.00	1.83	

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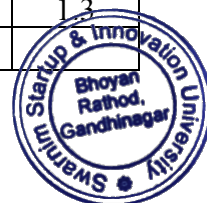
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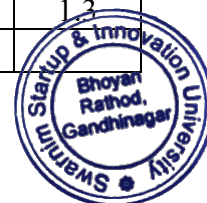


MSc sem 3											
Course		Natural Products and Biomolecules : 256020301									
CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	3	1	2	1	1	3	1	2	3	3	1.3
CO2	2	2	1	1	1	2	3	1	1	1	1.3
CO3	1	2	2	3	2	1	2	2	3	3	1.3
CO4	1	2	3	1	1	1	2	3	1	3	1
CO5	3	1	2	3	2	3	1	1	3	1	1.3
CO6	2	2	3	1	1	2	2	3	1	2	1.3
AVG	2.00	1.67	2.17	1.67	1.33	2.00	1.83	2.00	2.00	2.17	
Course		Medicinal Chemistry : 256020302									
CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	3	2	3	3	1	3	3	2	3	1	1.3
CO2	3	1	2	2	2	1	3	3	1	2	1.3
CO3	3	3	1	2	3	2	1	3	3	1	1.3
CO4	2	1	1	3	3	1	2	2	1	1	1
CO5	1	3	1	2	1	3	1	2	3	1	1.3
CO6	1	1	1	3	2	1	1	3	2	1	1.3
AVG	2.17	1.83	1.50	2.50	2.00	1.83	1.83	2.50	2.17	1.17	
		Organic Spectroscopy: 256020303									
CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	3	1	3	1	1	2	1	3	1	2	1.3
CO2	2	2	1	2	1	1	2	2	2	1	1.3
CO3	1	1	3	1	2	2	1	3	1	2	1.3
CO4	1	2	2	1	3	1	2	2	1	1	1
CO5	3	1	1	3	1	2	2	1	3	2	1.3
CO6	3	1	3	3	2	3	3	3	3	3	1.3
AVG	2.17	1.33	2.17	1.83	1.67	1.83	1.83	2.33	1.83	1.83	
Course		Industrial Chemsitry : 256020304									
CO	PO1	PO2	PO3	PO4	PO5	3	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	3	2	3	3	1	3	1	2	2	3	1.3
CO2	3	1	2	2	2	1	1	3	1	2	1.3
CO3	1	3	1	2	3	2	3	3	3	1	1.3
CO4	2	1	1	3	3	1	2	2	1	1	1
CO5	1	3	1	2	1	3	1	2	3	1	1.3
CO6	2	1	1	3	2	1	1	1	1	1	1.3
AVG	2.00	1.83	1.50	2.50	2.00	1.83	1.50	2.17	1.83	1.50	





Course		Organic Chemistry Practicals :256020305									
CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	3	2	1	3	1	3	2	1	3	1	1.3
CO2	1	3	3	1	3	2	1	2	1	2	1.3
CO3	2	2	1	2	2	1	2	1	2	1	1.3
CO4	1	2	2	1	3	1	3	2	2	1	1
CO5	3	3	3	2	1	3	2	1	1	3	1.3
CO6	2	2	1	3	2	2	1	3	3	3	1.3
AVG	2.00	2.33	1.83	2.00	2.00	2.00	1.83	1.67	2.00	1.83	
MSc sem 4											
Course		Advanced Organic Chemistry: 256020401									
CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	3	2	3	2	1	1	3	2	3	2	1.3
CO2	3	2	3	2	3	2	3	2	1	1	1.3
CO3	1	1	1	1	3	2	3	2	1	1	1.3
CO4	2	3	3	2	3	2	2	1	3	3	1
CO5	1	3	2	3	2	3	2	3	2	3	1.3
CO6	3	2	3	2	3	3	1	3	3	1	1.3
AVG	2.17	2.17	2.50	2.00	2.50	2.17	2.33	2.17	2.17	1.83	
Course		Advanced Organic Synthesis : 256020402									
CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	1	2	2	2	3	1	1	2	1	3	1.3
CO2	3	2	3	2	1	3	1	3	2	2	1.3
CO3	1	3	2	3	2	1	3	1	3	1	1.3
CO4	1	3	1	1	3	2	2	3	1	3	1
CO5	1	1	3	2	2	1	3	2	2	1	1.3
CO6	3	2	2	1	3	1	1	1	1	2	1.3
AVG	1.67	2.17	2.17	1.83	2.33	1.50	1.83	2.00	1.67	2.00	
Course		Bio -Organic Chemistry : 256020403									
CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	3	2	3	2	3	2	2	1	2	2	1.3
CO2	3	2	3	2	3	2	2	3	2	2	1.3
CO3	3	2	3	3	2	2	1	3	2	2	1.3
CO4	3	2	3	1	3	1	1	3	3	1	1
CO5	3	2	3	2	1	3	3	2	2	1	1.3
CO6	1	3	1	2	3	2	2	3	3	3	1.3
AVG	2.67	2.17	2.67	2.00	2.50	2.00	1.83	2.50	2.33	1.83	





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Course		Selected topics in medicinal chemistry: 256020404									
CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	2	3	3	3	3	2	2	2	2	1	1.3
CO2	3	2	3	2	3	2	2	1	2	3	1.3
CO3	3	2	3	2	3	3	2	2	2	2	1.3
CO4	3	2	3	2	3	3	2	2	2	1	1
CO5	3	2	3	2	3	3	2	2	2	1	1.3
CO6	3	3	3	3	2	3	2	2	2	3	1.3
AVG	2.83	2.33	3.00	2.33	2.83	2.67	2.00	1.83	2.00	1.83	
Course		256020405									
CO	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO1 0	CO AVG
CO1	3	2	2	1	1	2	1	3	2	2	1.3
CO2	3	3	2	2	1	2	1	3	2	2	1.3
CO3	3	3	2	2	1	2	1	3	2	2	1.3
CO4	3	2	2	2	1	2	1	3	2	2	1
CO5	3	2	2	2	1	2	1	3	2	3	1.3
CO6	3	2	2	2	2	2	1	3	2	3	1.3
AVG	3.00	2.33	2.00	1.83	1.17	2.00	1.00	3.00	2.00	2.33	

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M.Sc. Environmental Sciences

Course Name :		256060101									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	1	2	2	2	1	1	1	1	2	2.1
CO2	2	2	3	2	3	2	1	1	2	2	2.4
CO3	3	1	2	2	3	1	1	1	2	2	2.3
CO4	3	1	2	3	3	1	1	2	3	3	2.3
CO5	3	2	3	2	3	1	1	2	2	3	2.2
CO6	1	3	2	3	3	1	2	2	3	3	2.5
Average	2.50	1.67	2.33	2.33	2.83	1.17	1.17	1.50	2.17	2.50	2.34
Course Name :		256060102									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	1	2	2	2	1	1	1	1	2	2.8
CO2	2	3	2	1	2	1	1	2	1	2	2.8
CO3	1	2	3	2	2	2	1	1	2	2	2.8
CO4	2	1	2	3	2	1	1	2	3	3	2.8
CO5	1	2	3	2	3	1	1	2	2	3	2.5
CO6	1	1	2	3	2	2	1	2	3	3	3
Average	1.50	1.67	2.33	2.17	2.17	1.33	1.00	1.67	2.00	2.50	
Course Name :		256060103									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	1	1	1	1	1.67
CO2	2	3	2	2	3	2	1	1	2	2	2
CO3	2	2	3	3	2	2	1	1	2	2	2.5
CO4	2	2	2	3	3	2	1	1	2	3	2.75
CO5	2	2	2	2	3	2	1	1	2	3	2.75
CO6	1	2	3	3	3	2	1	2	3	3	2.4
Average	2.00	2.17	2.33	2.50	2.67	2.00	1.00	1.17	2.00	2.33	
Course Name :		256060104									
CO	PO1	PO2	TOTAL	FAIL	EXT	INT	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	1	1	1	2	2
CO2	2	2	3	2	2	2	1	1	2	2	1.8
CO3	2	2	3	2	2	2	1	1	2	2	1.8
CO4	2	2	2	2	2	2	1	1	2	2	1.5
CO5	2	1	2	2	3	2	1	1	2	2	1.5
CO6	2	2	2	2	2	2	1	1	2	3	1.7
Average	2.17	1.83	2.33	2.00	2.17	2.00	1.00	1.00	1.83	2.17	



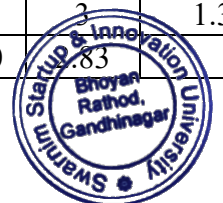


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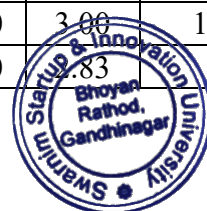
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Course Name :		256060105									
CO	PO1	2	16	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	1	3	2	2	2	1	1.3
CO2	2	2	2	3	1	2	2	2	2	1	1.3
CO3	3	2	2	2	1	3	2	2	2	1	1.3
CO4	3	2	3	3	2	3	2	2	2	1	1
CO5	2	2	2	3	1	3	2	2	2	1	1.3
CO6	3	2	3	3	2	3	2	2	2	2	1.3
Average	2.67	2.00	2.50	2.67	1.33	2.83	2.00	2.00	2.00	1.17	
Course Name :		256060201									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	1	1	2	3	1.3
CO2	2	2	2	2	2	2	1	1	2	3	1.3
CO3	2	3	3	2	2	2	1	1	2	2	1.3
CO4	2	2	3	3	2	2	1	1	2	3	1
CO5	2	2	2	3	2	2	1	1	2	3	1.3
CO6	3	3	3	3	2	2	3	3	3	3	1.3
Average	2.33	2.33	2.50	2.50	2.00	2.00	1.33	1.33	2.17	2.83	
Course Name :		256060202									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	1	1	2	3	1.3
CO2	2	3	2	2	2	2	1	1	2	3	1.3
CO3	2	2	3	2	2	2	1	1	2	3	1.3
CO4	2	2	2	3	2	2	1	1	2	3	1
CO5	2	2	2	2	3	2	1	1	2	3	1.3
CO6	2	2	2	2	2	2	2	2	2	3	1.3
Average	2.17	2.17	2.17	2.17	2.17	2.00	1.17	1.17	2.00	3.00	
Course Name :		256060203									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	1	1	2	2	1.3
CO2	2	2	3	2	2	2	1	1	2	3	1.3
CO3	2	2	3	2	2	2	1	1	2	3	1.3
CO4	2	2	3	2	2	2	1	1	2	3	1
CO5	2	2	2	2	3	2	1	1	2	3	1.3
CO6	2	2	2	2	3	3	3	2	2	3	1.3
Average	2.17	2.00	2.50	2.00	2.33	2.17	1.33	1.17	2.00	2.83	



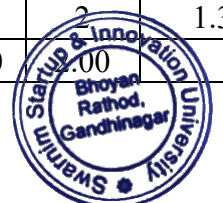


Course Name :		256060204									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	1	2	2	3	1.3
CO2	2	2	3	2	2	2	1	1	2	3	1.3
CO3	2	2	2	3	2	2	1	1	2	2	1.3
CO4	2	2	2	3	2	2	1	1	2	2	1
CO5	2	2	2	2	2	2	1	2	2	2	1.3
CO6	2	2	2	2	2	2	2	2	2	3	1.3
Average	2.17	2.00	2.17	2.33	2.00	2.00	1.17	1.50	2.00	2.50	
Course Name :		256060205									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	3	2	1	3	2	2	2	1	1.3
CO2	2	2	3	3	1	3	2	2	2	1	1.3
CO3	3	2	3	3	1	3	2	2	2	2	1.3
CO4	3	2	3	3	2	3	2	2	2	1	1
CO5	3	2	3	2	1	3	2	2	2	1	1.3
CO6	3	3	3	3	2	3	2	2	2	2	1.3
Average	2.83	2.17	3.00	2.67	1.33	3.00	2.00	2.00	2.00	1.33	
MSc sem 3											
Course Name :		256060301									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	2	3	2	2	2	2	2	3	1.3
CO2	2	3	2	2	2	2	1	1	2	3	1.3
CO3	2	2	3	2	2	2	2	1	2	3	1.3
CO4	2	2	3	2	2	2	2	1	2	3	1
CO5	2	2	2	2	3	2	2	2	2	3	1.3
CO6	2	2	2	2	2	2	2	2	2	3	1.3
Average	2.00	2.17	2.33	2.17	2.17	2.00	1.83	1.50	2.00	3.00	
Course Name :		256060302									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	1	1	2	2	1.3
CO2	2	3	2	2	2	2	1	1	2	3	1.3
CO3	2	2	3	2	2	2	1	1	2	3	1.3
CO4	2	2	2	3	2	2	1	1	2	3	1
CO5	2	2	2	2	3	2	1	1	2	3	1.3
CO6	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	3.00	1.3
Average	2.17	2.17	2.17	2.17	2.17	2.00	1.17	1.17	2.00	2.83	





		256060303									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	1	2	3	2	3	1.3
CO2	2	2	2	3	2	1	2	3	2	3	1.3
CO3	2	2	2	3	2	1	2	3	2	3	1.3
CO4	2	2	2	3	2	1	2	3	2	3	1
CO5	2	2	2	2	3	1	2	3	2	3	1.3
CO6	2	2	2	2	2	1	2	3	2	3	1.3
Average	2.17	2.00	2.00	2.50	2.17	1.00	2.00	3.00	2.00	3.00	
Course Name :		256060304									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	1	2	3	2	3	1.3
CO2	2	2	3	2	2	2	2	3	2	3	1.3
CO3	2	2	3	2	2	2	1	2	2	3	1.3
CO4	2	2	2	3	2	2	3	2	2	3	1
CO5	2	2	2	3	2	2	3	2	2	3	1.3
CO6	2	2	2	3	2	2	3	2	2	3	1.3
Average	2.17	2.00	2.33	2.50	2.00	1.83	2.33	2.33	2.00	3.00	
Course Name :		256060305									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	1	2	3	2	3	1.3
CO2	2	2	3	2	2	2	2	3	2	3	1.3
CO3	2	2	3	2	2	2	1	2	2	3	1.3
CO4	2	2	2	3	2	2	3	2	2	3	1
CO5	2	2	2	3	2	2	3	2	2	3	1.3
CO6	2	2	2	3	2	2	3	2	2	3	1.3
Average	2.17	2.00	2.33	2.50	2.00	1.83	2.33	2.33	2.00	3.00	
		MSc sem 4									
Course Name :		256060401									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	2	2	2	2	2	1	2	2	2	1.3
CO2	2	2	2	2	2	2	1	2	2	2	1.3
CO3	2	2	3	2	2	2	2	2	2	2	1.3
CO4	2	2	3	2	2	2	2	2	2	2	1
CO5	2	2	2	2	2	2	3	2	2	2	1.3
CO6	2	2	2	2	2	2	3	2	2	2	1.3
Average	2.17	2.00	2.33	2.00	2.00	2.00	2.00	2.00	2.00	2.00	





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Course Name :		256060402									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	2	2	3	2	2	2	2	2	2	2	1.3
CO2	2	2	3	2	2	2	2	2	2	2	1.3
CO3	2	2	3	2	2	2	2	2	2	2	1.3
CO4	2	2	3	2	2	2	2	2	2	2	1
CO5	2	2	3	2	2	2	2	2	2	2	1.3
CO6	2	2	3	2	2	2	2	2	2	2	1.3
Average	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
Course Name :		256060403									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	2	2	3	3	2	1	3	1.3
CO2	3	3	2	3	2	2	3	2	2	3	1.3
CO3	3	2	2	2	3	2	2	1	3	3	1.3
CO4	3	2	2	2	3	2	1	2	3	1	1
CO5	3	3	3	2	2	3	2	2	2	2	1.3
CO6	3	3	3	3	2	2	2	2	2	2	1.3
Average	3.00	2.67	2.50	2.33	2.33	2.33	2.17	1.83	2.17	2.33	
Course Name :		256060404									
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	CO AVG
CO1	3	3	3	2	2	1	3	2	3	3	1.3
CO2	3	3	2	3	2	2	3	2	3	3	1.3
CO3	3	2	2	2	3	2	2	3	3	3	1.3
CO4	3	2	2	2	3	2	1	2	3	1	1
CO5	3	3	3	2	2	3	2	2	2	2	1.3
CO6	3	3	3	3	2	2	2	2	2	2	1.3
Average	3.00	2.67	2.50	2.33	2.33	2.00	2.17	2.17	2.67	2.33	

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