m T Code m1 T3590 m1 T3574 m1 T3545 m1 T3580 m1 T3674 m1 T7674 m1 T7674	PO's PO1 PO2 PO2 PO3 PO4 PO5 PO6 PO7 PO8 MSctCA Course Code 301420101 301420104	Design of Content Management System	PO's Category Global Generic Core		Faculty Na Anirudha K Dr.Apama J	COVS COURCE OUTCOME SECURITY OF THE SECURITY OF THE SECURITY OUTCOME SECUR	O Statement udent will be able to understand the concepts of Content Management System udent will be able to use different APIs udent will be able to use different APIs udent will be able to use different APIs udent will be able to develope plug-ins using APIs udent will be able to develope plug-ins using APIs udent will be able to develope (AMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. To remarker the apiec in conquiring the complexity of the algorithms identifying and apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc. Understand various polynomial and non-polynomial problems and try to provide the solutions vealuate complexity of algorithm with various discussed methods.	60 60 60 60 60 60 60 60 45 45	Global Global Global Global Global Global	Strong-H Strong-H Weak-L Weak-L Weak-L Strong-H Strong-H Moderate-M Strong-H	PO2 Moderate-M Moderate-M Weak-L Weak-L Weak-I Moderate-M Moderate-M Strone-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	PO8 Weak-L Weak-L Weak-L Weak-L Weak-L Weak-L Weak-L
mI T3590 mI T3574 mI T3574 mI T3580 mI T3009	PO1 PO2 PO3 PO4 PO5 PO6 PO6 PO7 PO8 MSe(CA Course Code 301420102 301420103 301420104	PO's Statement problems and repositive solutions productively for their observations needs for a particular course. towards system administration skills and muthematics and amyltical skills in and trends hidden in large data sets, develon, document and tee the delivery deadlines according to project) 2023-2024 Sem I Course Name Design of Content Management System Design and Analysis of Algorithms Fundamentals of Computer Networking.	PO's Category Global	3 3 3	Anirudha K	Course Outcom St. Course Outcom Tc.	udent will be able to understand the concepts of Content Management System udent will be able to use different API udent will be able to use different API udent will be able to develope plag-ins using APIs udent will be able to develope plag-ins using APIs udent will be able to design CMS using APIs & Plug-ins udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc.	60 60 60 60 60 60 60 60 60 45	CO Categor, Global Global Global Global Global Global Global Global	POI Strong-H Strong-H Weak-L Weak-L Strong-H Moderate-M Strong-H	PO2 Moderate-M Moderate-M Weak-L Weak-L Weak-I Moderate-M Moderate-M Strone-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
mI T3590 mI T3574 mI T3574 mI T3580 mI T3009	PO2 PO3 PO4 PO5 PO5 PO6 PO7 PO7 PO8 MSc(CA Course Code 301420101 301420103 301420104	productively for their observations, needs for a particular course, meeds for a particular course, towards system administration skills and muthematics and amylicial skills in and trends hidden in large data sets, develop, document and tee the delivery deadlines according to project 1 2023-2024 Sem 1 Course Name Design of Content Management System Design and Analysis of Algorithms Design and Analysis of Algorithms Fundamentals of Computer Networking.	Global	Credit 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Anirudha K	Course Outcom St. Course Outcom Tc.	udent will be able to understand the concepts of Content Management System udent will be able to use different API udent will be able to use different API udent will be able to develope plag-ins using APIs udent will be able to develope plag-ins using APIs udent will be able to design CMS using APIs & Plug-ins udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc.	60 60 60 60 60 60 60 60 60 45	CO Categor, Global Global Global Global Global Global Global Global	POI Strong-H Strong-H Weak-L Weak-L Strong-H Moderate-M Strong-H	PO2 Moderate-M Moderate-M Weak-L Weak-L Weak-I Moderate-M Moderate-M Strone-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
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mI T3590 mI T3574 mI T3574 mI T3580 mI T3009	PO4 PO5 PO5 PO6 PO7 PO7 PO8 MSc(CA Course Code 301420101 301420102 301420103	towards system administration skills and multivanishin an amyterial skills in and rends hidden in large data sets, develop, document and test the delivery deadlines according to project 1,2023-2024 Sem I Course Name Design of Content Management System Design and Analysis of Algorithms Fundamentals of Computer Networking.	Global Generic Core	3 3	Anirudha K	Course Outcom St. Course Outcom Tc.	udent will be able to understand the concepts of Content Management System udent will be able to use different API udent will be able to use different API udent will be able to develope plag-ins using APIs udent will be able to develope plag-ins using APIs udent will be able to design CMS using APIs & Plug-ins udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc.	60 60 60 60 60 60 60 60 60 45	Global	Strong-H Strong-H Weak-L Weak-L Weak-L Strong-H Strong-H Moderate-M Strong-H	Moderate-M Moderate-M Weak-L Weak-L Weak-L Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
mI T3590 mI T3574 mI T3574 mI T3580 mI T3009	PO5 PO6 PO7 PO8 MSc(CA Gurse Code 301420101 301420102 301420104	mathematics and analytical skills in and trends hidden in large data sets, develop, document and test the delivery dendlines according to project 12023-2024 Sem I Course Name Design of Content Management System Design and Analysis of Algorithms Design and Analysis of Algorithms Fundamentals of Computer Networking Relational Database Management System	Global Global Global Global Global Global Global Gore-Specialisation Generic Core	Credit 4	Anirudha K	Course Outcom St. Course Outcom Tc.	udent will be able to understand the concepts of Content Management System udent will be able to use different API udent will be able to use different API udent will be able to develope plag-ins using APIs udent will be able to develope plag-ins using APIs udent will be able to design CMS using APIs & Plug-ins udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc.	60 60 60 60 60 60 60 60 60 45	Global	Strong-H Strong-H Weak-L Weak-L Weak-L Strong-H Strong-H Moderate-M	Moderate-M Moderate-M Weak-L Weak-L Weak-L Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
mI T3590 mI T3574 mI T3574 mI T3580 mI T3009	PO7 PO8 MSc(CA Gurse Code 301420101 301420102 301420103 301420104	develop, document and test the delivery dendlines according to project 1,2023-2024 Sem I Course Name Design of Content Management System Design and Analysis of Algorithms Fundamentals of Computer Networking Fundamentals of Computer Networking Relational Database Management System	Global Global CoreSpecialisation Generic Core Generic Core	Credit 4 3 3 3 3	Anirudha K	Course Outcom St. Course Outcom Tc.	udent will be able to understand the concepts of Content Management System udent will be able to use different API udent will be able to use different API udent will be able to develope plag-ins using APIs udent will be able to develope plag-ins using APIs udent will be able to design CMS using APIs & Plug-ins udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc.	60 60 60 60 60 60 60 60 60 45	Global	Strong-H Strong-H Weak-L Weak-L Weak-L Strong-H Strong-H Moderate-M	Moderate-M Moderate-M Weak-L Weak-L Weak-L Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
mI T3590 mI T3574 mI T3574 mI T3580 mI T3009	PO8 MSc(CA Course Code 301420101 301420102 301420103 301420104 301420104	delivery deadlines according to project 12023-2024 Sem 1 Course Name Design of Content Management System Design and Analysis of Algorithms Fundamentals of Computer Networking Relational Database Management System	Global Core/Specialisation Generic Core Generic Core Generic Core	3 3 3	Anirudha K	Course Outcom St. Course Outcom Tc.	udent will be able to understand the concepts of Content Management System udent will be able to use different API udent will be able to use different API udent will be able to develope plag-ins using APIs udent will be able to develope plag-ins using APIs udent will be able to design CMS using APIs & Plug-ins udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc.	60 60 60 60 60 60 60 60 60 45	Global	Strong-H Strong-H Weak-L Weak-L Weak-L Strong-H Strong-H Moderate-M	Moderate-M Moderate-M Weak-L Weak-L Weak-L Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
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mI T3590 mI T3574 mI T3574 mI T3580 mI T3009	301420101 301420101 301420102 301420103 301420104	Course Name Design of Content Management System Design and Analysis of Algorithms Design and Analysis of Algorithms Fundamentals of Computer Networking Relational Database Management System	Generic Core Generic Core Generic Core	3 3 3	Anirudha K	Course Outcom St. Course Outcom Tc.	udent will be able to understand the concepts of Content Management System udent will be able to use different API udent will be able to use different API udent will be able to develope plag-ins using APIs udent will be able to develope plag-ins using APIs udent will be able to design CMS using APIs & Plug-ins udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc.	60 60 60 60 60 60 60 60 60 45 45	Global	Strong-H Strong-H Weak-L Weak-L Weak-L Strong-H Strong-H Moderate-M	Moderate-M Moderate-M Weak-L Weak-L Weak-L Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
mI T3590 mI T3574 mI T3574 mI T3580 mI T3009	301420101 301420101 301420102 301420103 301420104	Course Name Design of Content Management System Design and Analysis of Algorithms Design and Analysis of Algorithms Fundamentals of Computer Networking Relational Database Management System	Generic Core Generic Core Generic Core	3 3	Anirudha K	Course Outcom St. Course Outcom Tc.	udent will be able to understand the concepts of Content Management System udent will be able to use different API udent will be able to use different API udent will be able to develope plag-ins using APIs udent will be able to develope plag-ins using APIs udent will be able to design CMS using APIs & Plug-ins udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc.	60 60 60 60 60 60 60 60 60 45 45	Global	Strong-H Strong-H Weak-L Weak-L Weak-L Strong-H Strong-H Moderate-M	Moderate-M Moderate-M Weak-L Weak-L Weak-L Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
mI T3590 mI T3574 mI T3574 mI T3580 mI T3009	301420101 301420102 301420103 301420104	Design of Content Management System Design and Analysis of Algorithms Fundamentals of Computer Networking Relational Database Management System	Generie Core Generie Core	3 3 3	Anirudha K	Course Outcom St. Course Outcom Tc.	udent will be able to understand the concepts of Content Management System udent will be able to use different API udent will be able to use different API udent will be able to develope plag-ins using APIs udent will be able to develope plag-ins using APIs udent will be able to design CMS using APIs & Plug-ins udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc.	60 60 60 60 60 60 60 60 60 45 45	Global	Strong-H Strong-H Weak-L Weak-L Weak-L Strong-H Strong-H Moderate-M	Moderate-M Moderate-M Weak-L Weak-L Weak-L Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
mI T3574 mI T3545 mI T3580 mI T3009	301420102 301420103 301420104 301420105	Design and Analysis of Algorithms Fundamentals of Computer Networking Relational Database Management System	Generie Core Generie Core	3 3	Dr.Apama J	Course Outcom 5t Course Outcom 7t Course	undent will be able to use different APIs undent will be able to to develope player insusing APIs undert will be able to develope player insusing APIs a player insusing the able to perform underling the able to perform underling the able to perform underling with applications undert will be able to manipulate existing with application uning CMS. The application of the able to th	60 60 60 60 60 45 45	Global	Strong-H Weak-L Weak-L Weak-L Strong-H Strong-H Moderate-M Strong-H	Moderate-M Weak-L Weak-L Weak-L Moderate-M Moderate-M Strone-H	Moderate-M Moderate-M Strong-H Strong-H Weak-L Strong-H Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Strong-H Strong-H Strong-H Moderate-M Moderate-M Strong-H Strong-H	Moderate-M Strong-H Moderate-M Strong-H Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Moderate-M Strong-H Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L Moderate-M Moderate-M Weak-L Weak-L
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mI T3545 mI T3580 mI T3009 mI T7674	301420103 301420104 301420105	Fundamentals of Computer Networking Relational Database Management System	Generic Core	3		Course Outcom St Course Outcom St Course Outcom Te	udent will be able to develop CMS based web applications udent will be able to perform usability testing on developed applications udent will be able to perform usability testing on developed applications understuff be sales concepts of analysis of Algorithms remember the steps in composition the complexity of the algorithms is obtainffy and apply the power of algorithm as and when required analyses the algorithms based on decision tree, searching etc. understand various polynomical and non-polynomial problems and try to provide the solutions	60 60 60 45 45	Global Global Global Global Global	Weak-L Strong-H Strong-H Moderate-M Strong-H	Weak-L Moderate-M Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M Moderate-M	Strong-H Moderate-M Moderate-M Strong-H Strong-H	Strong-H Weak-L Moderate-M Strong-H Strong-H	Strong-H Weak-L Weak-L Strong-H Strong-H	Moderate-M Weak-L Weak-L
mI T3545 mI T3580 mI T3009 mI T7674	301420103 301420104 301420105	Fundamentals of Computer Networking Relational Database Management System	Generic Core	3		Course Outcom St Course Outcom Tc	udent will be able to perform usability testing on developed applications udent will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms ornermber the steps in computing the complexity of the algorithms ornermber the steps in computing the complexity of the algorithms identify and apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc understand various polynomical and non-polynomical problems and try to provide the solutions	60 60 45 45	Global Global Global Global	Strong-H Strong-H Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M Moderate-M Moderate-M	Moderate-M Moderate-M Strong-H Strong-H	Weak-L Moderate-M Strong-H Strong-H	Weak-L Weak-L Strong-H Strong-H	Weak-L Weak-L
mI T3545 mI T3580 mI T3009 mI T7674	301420103 301420104 301420105	Fundamentals of Computer Networking Relational Database Management System	Generic Core	3		Course Outcom To	undert will be able to manipulate existing web application using CMS. understand the basic concepts of analysis of Algorithms remember the steps in computing the complexity of the algorithms identify an apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc. understand various polynomical and non-polynomial problems and try to provide the solutions	45 45	Global Global Global	Strong-H Moderate-M Strong-H	Moderate-M Moderate-M Strong-H	Moderate-M Moderate-M	Moderate-M Strong-H Strong-H	Moderate-M Strong-H Strong-H	Strong-H Strong-H	
mI T3545 mI T3580 mI T3009 mI T7674	301420103 301420104 301420105	Fundamentals of Computer Networking Relational Database Management System	Generic Core	3		Course Outcom To	remember the steps in computing the complexity of the algorithms is dentify and apply the power of algorithm as and when required analyse the algorithms based on decision tree, searching etc understand various polynomial and non-polynomial problems and try to provide the solutions	45	Global Global	Moderate-M Strong-H	Moderate-M Strong-H	Strong-H Strong-H Moderate-M Moderate-M	Strong-H Strong-H	Strong-H Strong-H	Strong-H Strong-H	Moderate-M
mI T3580 mI T3009	301420104	Relational Database Management System		3	Dr Shrikant	Course Outcom To Course Outcom To Course Outcom To Course Outcom To Course Outcom To Course Outcom To	o identify and apply the power of algorithm as and when required o analyse the algorithms based on decision tree, searching ete understand various polynomial and non-polynomial problems and try to provide the solutions		Global	Strong-ri	Strong-ri		Strong-ri	Strong-H	Strong-ri	
mI T3580 mI T3009	301420104	Relational Database Management System		3	Dr Shrikant	Course Outcom To Course Outcom To Course Outcom To Course Outcom To Course Outcom To	o analyse the algorithms based on decision tree, searching etc o understand various polynomial and non-polynomial problems and try to provide the solutions			Strong-H	Moderate-M	Moderate-M Strong-H			Strong-H	Strong-H Strong-H
mI T3580 mI T3009	301420104	Relational Database Management System		3	Dr Shrikant	Course Outcom To Course Outcom To	o understand various polynomial and non-polynomial problems and try to provide the solutions o evaluate complexity of algorithm with various discussed methods.		Global	Strong-H	Strong-H	Strong-H Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
mI T3580 mI T3009	301420104	Relational Database Management System		3	Dr Shrikant	Course Outcom To		45 45	Global	Strong-H	Strong-H Moderate M	Strong-H Strong-H Moderate-M Moderate-M	Moderate-M Moderate M	Strong-H Moderate M	Strong-H	Strong-H Strong-H
mI T3580 mI T3009 mI T7674	301420104	Relational Database Management System		3		Course Outcom To	explain fundamental concepts in computer networking,		Global	Moderate-M	Moderate-M	Moderate-M Moderate-M	Moderate-M	Weak-L	Moderate-M	
m I T3009	301420105		Generic Core	3			explain their protocols, and applications.		Global	Strong-H	Moderate-M	Moderate-M Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M
m I T3009	301420105		Generic Core	3		Course Outcom To	o explain data link protocols, addressing,	45	Global	Moderate-M	Strong-H	Moderate-M Moderate-M	Weak-L	Moderate-M Weak-L	Weak-L Weak-L	Weak-L
m I T3009	301420105		Generic Core	3	_	Course Outcom To	o explain network architectures, network programming interfaces, transport, congestion, routing. o explain network functionalities	45 45	Global	Strong-H	Moderate-M	Strong-H Moderate-M Moderate-M Moderate-M	Weak-L	Meak-L Moderate-M		Moderate-M Weak-L
m I T3009	301420105		Generic Core	3		Course Outcom to	explain types of networks, wireless networks.	45	Global	Moderate-M	Strong-H	Moderate-M Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
m I T7674		Best Programming Practices		1	Komal Dho	Course Outcom To	o explain concept of DBMS and different data models where are they used	45 45	Global	Weak-L	Moderate-M	Moderate-M Weak-L	Strong-H	Strong-H		Weak-L
m I T7674		Best Programming Practices			1		D Introduce to ER Diagrams, EER Models, ER Models into Tables D explain relational Models and Concept of Relational Algebra			Weak-L Weak-L		Moderate-M Weak-L Moderate-M Weak-L		Strong-H Strong-H		Weak-L Weak-L
m I T7674		Best Programming Practices				Course Outcom To	o understand Database Design , Normalization	45	Global	Weak-L	Moderate-M	Moderate-M Weak-L	Strong-H	Strong-H	Strong-H	Weak-L
m I T7674		Best Programming Practices			_	Course Outcom To	o explain modification of Data and Respective Definition using Structure Query Language	45 45	Global	Weak-L	Moderate-M	Moderate-M Weak-L	Strong-H	Strong-H	Strong-H	Weak-L
m I T7674		Best Programming Practices			1	Course Outcom To	o explain Transaction Management and Concurrency Control , Database Recovery o Introduce to current trends in Databases			Weak-L Weak-L		Moderate-M Weak-L Moderate-M Weak-L		Strong-H Strong-H		Weak-L Weak-L
	301420106		Generic Core	2	Priyank Rar	Course Outcom To	o understand the Software Architecture, Software Architecture patterns.		Global	Weak-L	Moderate-M	Moderate-M Weak-L	Strong-H	Strong-H	Strong-H	Weak-L
	301420106				_	Course Outcom To	ounderstand the need of defensive programming approach, the difference in working code, good code and cor	30	Global	Weak-L	Moderate-M	Moderate-M Weak-L	Strong-H	Strong-H	Strong-H	Weak-L
	301420106					Course Outcom To	o expalain the diiferent aspects of coding style and are able to demonstrate it in the assignements given. o explain the need of performance optimization.			Weak-L Weak-L		Moderate-M Weak-L Moderate-M Weak-L		Strong-H Strong-H		Weak-L Weak-L
	301420106					Course Outcom To	o undertsand Object Oriented Design and Design Pattern	30	Global	Weak-L	Moderate-M	Moderate-M Weak-L	Strong-H	Strong-H	Strong-H	Weak-L
m I T3213		Cyber Security	Generic Core	2	Aniruddha I	Course Outcom stu	adent will be able to understand the concepts of security and requirement of standards,			Strong-H	Moderate-M	Moderate-M Moderate-M	Moderate-M	Weak-L		Weak-L Weak-L
m I T3213							udent will be able to outlines the requirement of building Cyber Security. udent will be able to outlines the requirement of cyber laws in cyber space	50		Strong-H Weak-L	Weak-L	Moderate-M Strong-H Strong-H	Moderate-M Strong-H	Moderate-M Strong-H	Weak-L Weak-L	Weak-L Weak-L
m I T3213						Course Outcom St	udent will be able to explore the Risk management in Information Security Management Systems.	30	Global	Weak-L	Weak-L	Weak-L Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
m1 13213	201420107		Generic Core	-	D 01 7	Course Outcom St	udent will be able to explore the different cyber space thread scenario and trends	30 30	Global	Weak-L	Weak-L	Moderate-M Moderate-M	Strong-H	Strong-H	Strong-H	Moderate-M
	301420107	Introduction to Operating System	Generic Core	2	Dr.Shrikant	Course Outcom To	o enable the students to capacitate with the teminology of Operating System Processes, Threads-Thread creation Enable students to understand Kernel Architecture; Monolothic and Micro kernel Architecture, User Mode		Global	Strong-H Moderate-M	Strong-H	Moderate-M Moderate-M	Moderate-M Moderate-M	Moderate-M	Moderate-M Weak-I	Weak-L
						Course Outcom To	understand the file system and device drivers; Application execution Linking and Loading, racing, semaphore		Global	Strong-H	Moderate-M	Strong-H Strong-H Moderate-M Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
						Course Outcom To	empower students with linux operating system architecture.	30	Global	Moderate-M	Strong-H	Moderate-M Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
m I T3198	301420108	Introduction to Python	Generic Core	2	Dr Anuia B		o enable students to execute various Linux commands" udent will be able to understand the concepts of Python Programming	50		Strong-H Moderate-M	Moderate-M	Strong-H Strong-H Moderate-M Weak-L	Strong-H	Moderate-M	Moderate-M	Weak-L Moderate-M
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Course Outcom St	udent will be able to outlines the requirement of basic softwares (IDE) to run Python Programs		Global	Moderate-M	Moderate-M	Moderate-M Weak-L	Weak-L	Moderate-M	Moderate-M	Moderate-M
						Course Outcom St	udent will be able to understand the structure of Python programming Language	30	Global	Moderate-M	Moderate-M	Strong-H Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H
						Course Outcom St	udent will be able to explore use of Python structures udent will be able to use their knowledge to develop small projects in Python	50	Global	Strong-H	Strong-H	Moderate-M Moderate-M	Moderate-M Strong-H	Strong-H	Strong-H	Moderate-M Strong-H
m I T2843	301420109	Research Methodology	Generic Core	2	Dr.Sarika S	Course Outcom To	observe or understand the research problems / issues	30	Global	Strong-H	Moderate-M	Strong-H Strong-H Weak-L Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
						Course Outcom To	identify research questions and formulate research hypothesis	30 30	Global	Strong-H	Moderate-M	Moderate-M Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
						Course Outcom To	o classify the various techniques of research design and data collection o explain and synthesize qualitative and quantitative data crunching techniques					Moderate-M Weak-L Moderate-M Moderate-M	Strong-H Weak-I	Weak-L Weak-L		Weak-L Weak-L
							Actualize the research Concept and implement it in research study example				Weak-L	Moderate-M Moderate-M	Weak-L	Moderate-M		Weak-L
m T Code	Course Code	Course Name	Core/Specialisation	Credit	Faculty Na	CO's C	O Statement	CO Target	CO Categor	PO1	PO2	PO3 PO4		PO6	PO7	PO8
m III T3293	93 301420301	Software Architectures	Software Development	4	riyanka Ran	Course Outcor St	udent will be able to understand the importance of software architecture, basic building components, software	60		Weak-L Weak-L	Moderate-M	Moderate-M Strong-H			Weak-L Weak-L	Strong H
	_				+		udent will be able to understand Architecture Design Process and guidelines, Modelling Concepts, Functional udent will be able to understand different architectural styles and patterns with examples.			Weak-L Weak-L		Moderate-M Strong-H Moderate-M Strong-H			Weak-L Weak-L	Strong-H Strong-H
						Course Outcor St	udent will be able to understand Architecture Design Principles, common design operators, Functional Design	60	Global	Weak-L	Moderate-M	Moderate-M Strong-H	Strong-H	Weak-L	Weak-L	Strong-H
	_			-	+		udent will be able to understand architecture representation -ADL and architecture evaluation methods			Weak-L Weak-L		Moderate-M Strong-H			Weak-L Weak-L	Strong H
m III T3536	36 301420302	Web UI and Content Management	Software Development	4	Komal Dho	Course Outcor To	udent will be able to learn designing of different types of architecture and enterprise application pattern thru implement AJAX on web pages	60	Global		Moderate-M	Moderate-M Strong-H Moderate-M Strong-H			Weak-L Weak-L	Strong-H Strong-H
						Course Outcor To	implement jQuery on web pages	60	Global	Strong-H	Moderate-M	Moderate-M Strong-H	Strong-H	Weak-L	Weak-L	Strong-H
	_			-	+	Course Outcor To	o explain the purpose of content management systems o create custom content types in Drupal	***	Global	Moderate-M	Moderate-M	Moderate-M Strong-H Moderate-M Strong-H			Weak-L Weak-L	Strong H
						Course Outcor To	o create a website using Drupal	60	Global	Moderate-M	Moderate-M	Moderate-M Strong-H		Weak-L	Weak-L	Strong-H Strong-H
						Course Outcor To	create a website using WordPress	60	Global	Moderate-M	Moderate-M	Moderate-M Strong-H	Strong-H	Weak-L	Weak-L	Strong-H
m III T3802	02 301420303	Dilat Project	Software Development	1 ,	Dr Sachin N	Course Outcor To	o create a website using AJAX and jQuery together o Analyze research problems or industrial problems		Global	Moderate-M Strong-H	Moderate-M	Moderate-M Strong-H Strong-H Weak-L		Weak-L	Weak-L	Strong-H Weak-L
13802	2 301420303	i not i roject	Sonware Development		Dr. Sacuill P	Course Outcor To	implement the coding knowledge	30	Global		Weak-L	Weak-L Weak-L		Strong-H	Weak-L	Weak-L Weak-L
						Course Outcor To	o design and develop projec	30	Global	Weak-L	Weak-L	Weak-L Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
	_			-	+		o document and test the developed code o understand the need of delivery deadlines according to project management		Global	Weak-L Weak-L	Weak-L	Weak-L Weak-L Weak-L Weak-L	Weak-L	Strong-H		Weak-L Strong U
m III T3111	11 301420304	Data Mining and Algorithms	Software Development	_ 3	Not Opted	Course Outcom Un	nderstand the basics of Data Warehousing and Data Mining	45	Global	Moderate-M	Moderate-M	Moderate-M Moderate-N	Moderate-M	Moderate-M	Moderate-M	
						Course Outcom Un	nderstand the techniques of Data Mining and its process.	45	Global	Strong-H	Moderate-M	Strong-H Strong-H	Weak-L	Weak-L	Strong-H	Strong-H
	_			-	+	Course Outcom Un	nderstand Data Mining Algorithms. See Tableaue for Data Mining.	45 45	Global	Weak-L Strong-H	Moderate-M Weak-I	Weak-L Weak-L Moderate-M Moderate-M	Strong-H Moderate M	Strong-H Moderate-M	Weak-L Moderate M	Weak-L Moderate-M
						Course Outcom Us	se R for Data Mining.	45	Global	Weak-L	Moderate-M	Moderate-M Moderate-N	Moderate-M	Weak-L	Moderate-M	Moderate-M
						Course Outcom Us	se Google Cloud for Data Mining	45	Global	Weak-L	Moderate-M	Moderate-M Moderate-N	Moderate-M	Moderate-M	Moderate-M	Moderate-M
m III T3122	22 301420305	Software Quality Models	Software Development	3	Not opted		o study the need of software quality models udent to acquire the Knowledge of software quality structure,		Global	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L Weak-L Weak-L		Moderate-M Moderate-M		Weak-L Weak-L
							build up the capability in the student on software process quantification,	45	Global	Weak-L		Weak-L Weak-L	Moderate-M	Weak-L		Weak-L Weak-L
						Course Outcom To	make stdudent identification critical quality dimensions and be able to preparation of business plan for quali	45	Global	Weak-L	Weak-L	Weak-L Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
				-	-	Course Outcom To	o make student plan of activities to measure, analyses, and assure process quality.			Weak-L Week I	Weak-L	Weak-L Weak-L				Weak-L Moderate M
m III T3015	15 301420306	Network Programming	Software Development	3	Not onted	Course Outcor To	o make student add the value in software quality management system in the software organization. o understand the need of Network Programming			Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L Moderate-M Weak-L	Weak-L Weak-L		Weak-L Weak-L	Moderate-M Weak-L
13013	221.22300				1	Course Outcor To	provide students with the in-depth knowledge of socket programming.	45	Global	Weak-L	Weak-L	Strong-H Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
				_	_	Course Outcor To	make students be able to develop application layer protocols using TCP/UDP as transport.			Weak-L	Strong-H	Weak-L Weak-L	Weak-L		Weak-L	Weak-L
					+	Course Outcor To	o understand RFC b be able to implementation RFC.	45 45		Weak-L Weak-L		Strong-H Weak-L Weak-L Weak-L	Weak-L Weak-L		Weak-L Weak-L	Weak-L Weak-L
						Course Outcor To	he shel to perform network programming	45	Global	Weak-L	Moderate-M		Weak-L	Weak-L	Weak-L	Wook I

0 111	773000	201420207	or in wild .	0.0 D 1 .		I 10.11	le e l	1 . 14 1 . 601 1		15	C1 1 1	lo. 11	lo. m	lo. 11 lo. 1	In. 1 1	Inc. 1 1	lo. 11	le. II
Sem III	13008	301420307	Cloud Programming using Web Services	Software Development	3	Lmod Gokha	Course Outcor Un	derstand the basics of Cloud. derstand the basics of Web Services.		45 45	Global Global	Strong-H Strong-H	Strong-H Strong-H	Strong-H Strong-F Strong-H Strong-F	Weak-I Weak-I	Weak-L Weak-L	Strong-H Strong-H	
							Course Outcor Ur	derstand GCP	4	45	Global	Strong-H	Strong-H	Strong-H Strong-F	Weak-I		Strong-H	
								derstand S3 functionality			Global	Strong-H	Strong-H	Strong-H Strong-F	Weak-I	Weak-L	Strong-H	
							Course Outcor Ur	derstand Grid Computing						Strong-H Strong-F Strong-H Strong-F		Weak-L Weak-L	Strong-H Strong-H	
Sem III	T3271	301420308	Systems Programming	Software Development	3	Not opted	Course Outcor To	make student learn Linux Distribution with built and modularity of Kernel					Moderate-M		Weak-I	Weak-L	Weak-L	Weak-L
			, ,				Course Outcor St	dents to understand the mechanism of developing Operating System Kernel.			Global	Weak-L	Moderate-M		Weak-I	Weak-L	Weak-L	Weak-L
								understand Kernel Activities			Global Global	Weak-L Weak-L	Weak-L Moderate-M	Moderate-M Weak-L Weak-L Weak-L	Weak-I Weak-I	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
							Course Outcor To	understand Data Structures with respect to System understand Backup with respect to system			Global	Weak-L Weak-L	Moderate-M		Weak-I	Weak-L Weak-L	Weak-L	Weak-L Weak-L
							Course Outcor To	understand Audit				Weak-L	Moderate-M	Weak-L Weak-L	Weak-I	Weak-L	Weak-L	Weak-L
Sem III	T3802	301420303	Pilot Project	System Security	2	Not Opted		Analyze research problems or industrial problems implement the coding knowledge						Strong Weak Weak Weak	Weak Weak	Weak	Weak	Weak
							Course Outcor To	design and develop projec						Weak Weak	Weak	Strong	Weak	Weak
							Course Outcor To	document and test the developed code						Weak Weak	Weak	Strong	Weak	Weak
c 111	T3054	201420210		0 . 0 .				understand the need of delivery deadlines according to project management					Weak	Weak Weak	Weak	Weak	Strong Weak-L	Strong
Sem III	13034	301420310	Vulnerability Assessment and Penetratio	System Security	4	Not Opted		e make student understand the advancement in VAPT demonstrate how to adopt preventive measures against malicious attacks.				Weak-L Weak-L	Strong-H Weak-L	Weak-L Weak-L Moderate-M Weak-L	Weak-I Weak-I	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
							Course Outcor To	identify the gaps in the system			Global	Weak-L	Strong-H	Weak-L Weak-L	Weak-I	Weak-L	Weak-L	Weak-L
								prepares individuals in the network security discipline for several certifications from a vendor-neutral perspeteach various AVAPT techniques			Global Global	Weak-L Weak-L		Weak-L Weak-L	Weak-I Weak-I	Weak-L Weak-L	Weak-L Weak-L	Weak-L
Sem III	T3044	301420311	Security Management Practices	System Security	2	Not Opted	Course Outcom To	identify the need of Security Management		30	Global	Weak-L Weak	Weak-L Weak	Moderate-M Weak-L Weak Weak	Weak-1	Weak-L	Weak-L	Weak-L Weak
							Course Outcom To	make student Understand system securityfunctions and its necessity			Global	Weak	Weak	Weak Weak	Weak	Weak	Weak	Weak
							Course Outcom To	make student be able to known the purpose of controls in information Security Management						Weak Weak	Weak	Weak	Weak	Weak
						_		address basic issues in Security Management Security Management with respect to identify the post benfities of Management				Weak Weak	Weak	Strong Weak Strong Weak	Weak	Weak Weak	Strong	Weak Weak
Sem III	T3542	301420312	Information System Audit	System Security	2	Not Opted	Course Outcom To	identify the need of system audit			Global	Weak	Weak	Weak Weak	Weak	Weak	Weak	Weak
								make student Understand system audit functions and its necessity make student be able to known the purpose of controls in information systems.			Global Global		Weak Weak	Weak Weak Weak Weak	Weak	Weak Weak	Weak Weak	Weak
								address basic issues in system audit			Global	Weak	Weak	Strong Weak	Weak	Weak	Strong	Weak
							Course Outcom To	study audit with respect to identify the post benfities of Audti			Global	Weak	Weak	Strong Weak	Weak	Weak	Strong	Weak
Sem III	F0003	301420309	Object-Oriented Programming and Data	Software Development	3	r.Sachin Na	Course Outcor St	idents are able to demonstrate different aspects of Object Oriented Analysis and Design.			Global	Moderate-M	Moderate-M	Moderate-M Modera Strong-H Strong	e-M Moder	ite-M Modera	te-M Moderate	
				†				dents are able to implement principles of requirement analysis and design using UML artifacts. dents are able to learn use case, class diagram, sequence diagram and collaboration diagram.			Global Global		Moderate-M Moderate-M		L Stror	g-H Strong		-H Strong-H -L Weak-L
							Course Outcor Str	dents are able to learn activity diagram, state diagram, component and deployment diagram.		45	Global	Strong-H	Weak-L	Moderate-M Modera	e-M Moder	ite-M Modera	te-M Moderate	e-M Moderate-M
							Course Outcor St	dents are able to implement types of categories of design patterns on real time requirements.			Global			Moderate-M Modera				
				 	†	—		dents are able to demonstate the architecture centric software design . dents are able to demonstate the application of OOAD through case studies.			Global Global			Moderate-M Modera Moderate-M Modera				
Sem III	T3032	301420313	Computer Forensics - Detection and Pre	System Security	3	Not Opted	Course Outcor To	Make student Analyzing the key risks surrounding computer forensic		45	Global	Weak-L	Weak-L	Moderate-M Weak-L	Weak-I	Weak-L	Weak-L	Weak-L
							Course Outcor To	explore the "who, what, and how" of this costly crime.			Global		Weak-L	Strong-H Weak-L	Weak-I		Weak-L	Weak-L
								interpret and investigate specific IT controls with respect to computer fraud, consider logical access controls, reduced privileged access, application change management and application					Weak-L Weak-L	Strong-H Weak-L Moderate-M Weak-L	Weak-I Weak-I		Weak-L Weak-L	Weak-L Weak-L
							Course Outcor To	Comparing the IT-related threats within the business environment and explore the procedural methods neede		45	Global	Weak-L	Weak-L	Moderate-M Weak-L	Weak-I	Weak-L	Weak-L	Weak-L
Sem III	T3543	301420314	Virtualization and Security	System Security	3	Not Opted	Course Outcom To	explain the need of security in virtualization					Weak	Weak Weak	Weak	Weak	Weak	Weak
								explain types of virtualization on different platform explain concept of resource allocation					Weak	Weak Weak Weak Weak	Strong	Weak Weak	Weak	Weak
								implement virtualization technologies				Strong	Weak	Weak Weak	Strong	Weak	Weak	Weak
							Course Outcom To	discuss security in virtualization			Global	Weak	Strong	Weak Weak	Weak	Strong	Weak	Weak
Sem III	T2540	201420215	Identity and Access Management	System Security	2	Not Onted	Course Outcom To	describe the concept of designing secure virtual infrastructure explain IAM Concepts			Global Global		Weak	Weak Weak Weak Strong	Strong	Weak te Weak	Weak	Weak Strong
Sciii III	13340	301420313	Identity and Access Management	System Security		Not Opicu		discuss IAM Architecure and Concepts				Weak	Weak	Weak Weak	Weak	Weak	Weak	Weak
							Course Outcor To	discuss IAM in Cloud			Global	Strong	Weak	Weak Weak	Strong	Weak	Weak	Weak
							Course Outcor To	explain SSO and Federated Identity make student understand Authentication and Access Control			Global Global	Weak Weak	Strong Moderate	Weak Weak Strong Moderat	Weak Weak	Strong Moderat	Weak e Strong	Weak Moderate
Sem III	T3332	301420316	Software Defined Networking	System Security	3	Not Opted	Course Outcom To	make student learn Linux Distribution with built and modularity of Kernel					Strong-H	Moderate-M Weak-L	Weak-I		e-M Moderate	
							Course Outcom Str	dents to understand the mechanism of developing Operating System Kernel.				Weak-L	Weak-L	Weak-L Weak-L	Weak-I	Weak-L	Weak-L	Weak-L
							Course Outcom To	understand Kernel Activities understand Data Structures with respect to System					Weak-L Weak-L	Moderate-M Moderat Weak-L Moderat	-M Modera	te-M Moderat te-M Weak-L	e-M Moderate Weak-L	-M Moderate-M Weak-L
								understand Backup with respect to system						Weak-L Weak-L	Weak-I		Weak-L	Weak-L
Sem III	F0003	301420317	IOT and Hardware Security	System Security	3	Not Opted		M in AWS Overview			Global	Weak	Moderate	Strong Moderat		te-M Weak-L	Moderate	
						_	Course Outcom To	understand mobile and web security issues. understand different security testing			Global Global	Moderate-M Moderate-M	Moderate-M	Moderate-M Strong-F Weak-L Moderat	Modera M Strong	te-M Weak-L H Weak-L		e-M Weak-L -H Weak-L
Sem III	T3802	301420303	Pilot Project	Data Science	2	r.Sachin Na		Analyze research problems or industrial problems				Strong	Weak	Strong Weak	Weak	Weak	Weak	Weak
			-					implement the coding knowledge		30	Global	Weak	Weak	Weak Weak	Weak	Strong	Weak	Weak
							Course Outcor To	design and develop projec document and test the developed code					Weak Weak	Weak Weak Weak Weak	Weak Weak	Strong Strong	Weak Weak	Weak Weak
						_		understand the need of delivery deadlines according to project management						Weak Weak	Weak	Weak	Strong	Strong
Sem III	T3578	301420318	Image Processing	Data Science	4	r.Sachin Na		dent will be able to understand the concepts of Digital Image Processing and Its fundamental steps and some		50				Moderate-M Modera				
Sem m							Course Outcor St	ident will be able to understand and able to apply the Image Enhancement Techniques In Spatial Domain		50	Global	Strong-H	Moderate-M	Strong-H Strong	H Wea	c-L Weak	-I. Strong-	-H Strong-H
							Course Outcor Str	dent will be able to understand and able to apply the Image Enhancement Techniques In Frequency Domain		50	Global	Weak-L	Moderate-M	Weak-L Weak	L Stror	g-H Strong	-H Weak-	-L Weak-L
							Course Outcor Str	dents will be able to understand and able to apply the Fourier Transformation Techniques on Digital Image.		50	Global	Strong-H	Weak-L	Moderate-M Modera	e-M Moder	ite-M Modera	te-M Moderate	2-M Moderate-M
				 		_	Course Outcor St	dents will be able to understand and able to Identify the Different Noise Models. dent will be able to explore the different techniques available for Image Restoration in Spatial Domain		50	Global	Weak-L Weak-I	Moderate-M	Moderate-M Modera Moderate-M Modera	e-M Moder	ite-M Modern	-L Moderate	-M Moderate-M
							Course Outcor St	ident will be able to explore the different techniques available for Noise Reduction in an Image in Frequency		50	Global	Weak-L	Moderate-M	Moderate-M Modera	e-M Moder	ite-M Modera	te-M Moderate	e-M Strong-H
Sem III	T3579	301420319	Machine Learning Algorithms	Data Science	4	uddha Kshir	Course Outcor De	velop an appreciation for what is involved in learning models from data.		50	Global	Strong-H	Strong-H	Moderate-M Modera	e-M Moder	ite-M Modera	te-M Strong-	-H Moderate-M
		-		-	-		Course Outcor Ur	derstand a wide variety of learning algorithms derstand how to evaluate models generated from data.		50 50	Global	Strong-H	Strong-H	Moderate-M Modera	e-M Moder	nte-M Modera	te-M Strong-	H Moderate-M
								ply the algorithms to a real-world problem,		50		Strong-H	Moderate-M	Moderate-M Modera Strong-H Strong	H Stror	g-H Strong	-H Strong-	-H Strong-H -H Strong-H
								timize the models learned.		50	Global			Strong-H Strong				
								eate report on expected accuracy		50		Moderate-M	Moderate-M	Strong-H Strong	-H Stror	g-H Strong	-H Strong-	-H Strong-H
Sem III	T3008	201//20207	Cloud Programming using Web Services	Data Sajanaa	2	Not Ontad	Course Outcor Ur	derstand core concepts of ML derstand the basics of Cloud.		50 45	Global	Moderate-M	Moderate-M	Strong-H Strong Moderate-M Modera	H Stror	g-H Strong	-H Strong-	-H Strong-H
Sem m	13008	301420307	Cloud Flogramming using web Services	Data Science	,	Not Opted	Course Outcor Ur	derstand the basics of Cloud;		45	Global	Strong-H	Moderate-M	Strong-H Strong	H Wea	c-L Weak	-L Strong-	-H Strong-H
							Course Outcor Ur	derstand Micro Services architecture.		45	Global	Weak-L	Moderate-M	Weak-L Weak	L Stron	g-H Strong	-H Weak-	-L Weak-L
				l				Spring Boot for Cloud Applications.		45 45	Global	Strong-H	Weak-L	Moderate-M Modera	e-M Moder	nte-M Modera	te-M Moderate	-M Moderate-M
				 		_		arn Docker for deployment. ng Cloud for Microservice deployment		45 45	Global			Moderate-M Modera Moderate-M Modera				
Sem III	F0003	301420309	Object-Oriented Programming and Data	Software Development	_ 3	r.Sachin Na	Course Outcor St	ing cloud for interestrict deproyment idents are able to demonstrate different aspects of Object Oriented Analysis and Design.		45	Global	Moderate-M	Moderate-M	Moderate-M Modera	e-M Moder	ate-M Modera	te-M Moderat	e-M Moderate-M
							Course Outcor St	dents are able to implement principles of requirement analysis and design using UML artifacts.		45	Global			Strong-H Strong Weak-L Weak				
				-		_	Course Outcor St	dents are able to learn use case, class diagram, sequence diagram and collaboration diagram.		45	Global	Weak-L	Moderate-M	Weak-L Weak	L Stron	g-H Strong	H Weak-	L Weak-L
				 		_		dents are able to learn activity diagram, state diagram, component and deployment diagram. dents are able to implement types of categories of design patterns on real time requirements.		45 45	Global	Strong-H Weak-L		Moderate-M Modera Moderate-M Modera				
				I				dents are able to demonstate the architecture centric software design .		45	Global	Weak-L	Moderate-M	Moderate-M Modera	e-M Moder	ate-M Modera	te-M Moderate	e-M Moderate-M
							Course Outcor St	dents are able to demonstate the application of OOAD through case studies.		45	Global	Weak-L	Moderate-M	Moderate-M Modera	e-M Moder	ate-M Modera	te-M Moderate	e-M Strong-H
Sem III	T3448	301420320	Text Analytics	Data Science	3	Not Opted	Course Outcor To	understand the concepts of Natural Language Processing			Global Global	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L Weak-L Weak-L	Weak-I Weak-I	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
				<u> </u>	-			be able to analyze comments and questions in forums in order to find common pain points your customers fa be able to perform sentiment analysis using text analytics in order to measure positive or negative perception			Global Global	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L Weak-L Weak-L	Weak-I Weak-I	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
								be able to perform text mining operations on the dataset			Global	Weak-L	Weak-L	Weak-L Weak-L	Weak-I		Weak-L	Weak-L
							Course Outcor To	be able to apply supervised methods and evaluate them			Global	Weak-L	Weak-L	Weak-L Weak-L	Weak-I	Weak-L	Weak-L	Weak-L
Sem III	T3569	201420223	Data Science for IOT	Data Sajanaa	,	Not Ont.	Course Outcor To	be able to apply unsupervised methods and carry out performance evaluation understand Data Science application					Weak-L Wook I	Weak-L Weak-L	Weak-I	Weak-L Weak-L	Weak-L Wook I	Weak-L
oem n1	13369	301420321	Data SCIENCE for IOT	Data Science	- 3			understand Data Science application understand Data science with IoT						Weak-L Weak-L Weak-L Weak-L	Weak-I Weak-I		Weak-L Weak-L	Weak-L Weak-L
		1		1		1		apply theories of data science		15	Global	Weak-I	Weak-L	Weak-L Weak-L	Weak-I	Weak-L	Weak-I	Wook I
							Course Outcor 10											WCak-L

						Course Outcor	To work on various data science application	45	Global	Weak-L							
						Course Outcor	To equip students with a skill to analyze the data generated from IOT devices	45	Global	Weak-L							
						Course Outcor	To understand various deep learning algorithms	45	Global	Weak-L							
Sem III	T3566	301420322	Artificial Neural Network and Deep Lea	Data Science	3	Anuja Bokh Corse Outcom	To analyze components of ANN	45	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M		Moderate-M	
						Corse Outcom	To Understand the Learning rule	45	Global					Strong-H		Moderate-M	
						Corse Outcom	To develop different single layer/multiple layer network	45	Global					Moderate-M		Moderate-M	Weak-L
						Corse Outcom	To understand implementation of hidden layer w.r.t., complexity	45	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M	Weak-L
						Corse Outcom	To implement components of deep Learning	45	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Moderate-M
Sem III	T3568	301420323	Natural Language Processing	Data Science	3	Anuja Bokh Course Outcor	To understand the basics of Natural Language Processing	45	Global	Strong-H	Moderate-M						
						Course Outcor	To understand the Basic Text processing and Language Models	45	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M			
						Course Outcor	To understand Tagging problems and Hidden Markov Models	45	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M
						Course Outcor	TO understand what is Parsing and Classification	45	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H	Moderate-M	
						Course Outcor	Evaluation of Performance measures: accuracy etc	45	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M
						Course Outcor	Case Study on Natural Language Processing Applications	45	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H

MSc(CA) Semester II: 2023- 2025 Prgramme Objectives

PO's	PO's Statement	PO's Category
PO1	problems and respective	Global
PO2	communicate productively for	Global
PO3	industry needs for a particular	Global
PO4	intelligence towards system	Global
PO5	knowledge of mathematics and	Global
PO6	patterns and trends hidden in	Global
PO7	design, develop, document and	Global
PO8	software delivery deadlines	Global

Sem	T Code	Course Code	Course Name	Core/Specialisation	Credit	Faculty Name	CO's	CO Statement	CO Target	Category	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Sem II	T3527	301420201	Big Data: Systems, Programming and	Generic Core Course			Course Outcome (CO) 1	Understanding Big Data	6		Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
			Management		4	Mr. Rajesh Math												
							Course Outcome (CO) 2	Installation of Big Data		0 Global	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-
							Course Outcome (CO) 3	Understanding basics of		0 Global	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-
							Course Outcome (CO) 4	Understanding basics of	6	0 Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							Course Outcome (CO) 5	Knowing differences between	6	0 Global	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-	Moderate-
							Course Outcome (CO) 6	Understanding Apache Pig	6	0 Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							Course Outcome (CO) 7	Solving practical problems	6	0 Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
Sem II	TE7544	301420202	Data Structures and Algori		3	Dr. Shrikant	Course Outcome (CO) 1	understand searching and	60	Global	Weak-L	Moderate-M	Moderate-M	Weak-L	Strong-H	Strong-H	Weak-L	Weak-L
							Course Outcome (CO) 2	understand applications of	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L	Moderate-M	Moderate-N	1 Weak-L	Moderate-N
							Course Outcome (CO) 3	understand the link list data	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Strong-H	Moderate-N	1 Weak-L	Weak-L
							Course Outcome (CO) 4	understand the types of link	60	Global	Weak-L	Weak-L	Strong-H	Moderate-M	Moderate-M	Moderate-N	1 Weak-L	Weak-L
							Course Outcome (CO) 5	understand various tree data	60	Global	Weak-L	Moderate-M	Strong-H	Weak-L	Moderate-M	Strong-H	Weak-L	Weak-L
							Course Outcome (CO) 6	understand basics of graph	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Moderate-N	1 Weak-L	Weak-L
Sem II	T3344	301420203	DevOps	Generic Core Course	2	Mr. Amod	Course Outcome (CO) 1	DevOps Concepts	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	
							Course Outcome (CO) 2	SysOps - AWS, Azure &	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-N	Moderate-N	M Moderate-N
							Course Outcome (CO) 3	Intro to Web Services: APIs,	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M		Moderate-N	M Moderate-N
							Course Outcome (CO) 4	Puppet for Configuration	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							Course Outcome (CO) 5	Jenkins for Automated	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-N	Moderate-N	M Moderate-N
							Course Outcome (CO) 6	GIT for SCM and Versioning	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-N	Moderate-N	M Moderate-N
Sem II	T3701	301420204	Dissertation	Generic Core Course	2	Dr.Sachin Naik	Course Outcome (CO) 1	To study an existing or new	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	
							Course Outcome (CO) 2	To analyse the system	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M				
							Course Outcome (CO) 3	To compare the system with	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M			Moderate-N	
							Course Outcome (CO) 4	To design the system	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							Course Outcome (CO) 5	To evaluate design system	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-N	Moderate-N	M Moderate-N
Sem II	T4005	301420205	Integrated Disaster Management *	Generic Core Course	0	SIHS	Course Outcome (CO) 1	To enable student understand various types of disasters, its	60	Global	Strong-H	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 2	To instill knowledge on	60	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 3	To train students to perform	60	Global	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
Sem II	T3114	301420206	Object Oriented Analysis	Specilazation Core	4	Dr. Shrikant	Course Outcome (CO) 1	Students are able to	60	Global	Moderate-M	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-N	Moderate-N	M Moderate-N
							Course Outcome (CO) 2	Students are able to	60	Global	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-N	Moderate-N	M Moderate-N
							Course Outcome (CO) 3	Students are able to learn use	60	Global	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
							Course Outcome (CO) 4	Students are able to learn	60	Global	Moderate-M	Strong-H	Weak-L	Moderate-M		Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 5	Students are able to	60	Global	Weak-L	Weak-L	Strong-H	Moderate-M	Moderate-M	Moderate-N	// Moderate-N	
							Course Outcome (CO) 6	Students are able to	60	Global	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-N	M Strong-H
							Course Outcome (CO) 7	Students are able to	60	Global	Weak-L	Moderate-M	Weak-L	Strong-H	Weak-L	Moderate-N	1 Weak-L	Weak-L
Sem II	T3120	301420207	Software Project Management	Specilazation Core Course - Software	4	Dr.Sandeep Gaikwad	Course Outcome (CO) 1	At the end of this course students will be able to	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 2	Students will be able to	60	Global	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 3	Students will be able to	60	Global	Moderate-M		Moderate-M	Moderate-M				Strong-H
							Course Outcome (CO) 4	Students will be able to	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M				Strong-H
							Course Outcome (CO) 5	Students will learn and apply	60	Global	Moderate-M				Moderate-M		Weak-L	Strong-H
							Course Outcome (CO) 6	Students will get introductory	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 7	Students will get introductory	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L	Strong-H
Sem II	T3003	301420208	Android Technologies	Specialization	3	Not opted	Course Outcome (CO) 1	To Understand the Layouts	60	Global	Moderate-M		_		Moderate-M	Weak-L	Weak-L	Weak-L
			1 19.00	•			Course Outcome (CO) 2	To utiliz different view	60	Global	Weak-L	Moderate-M	Moderate-M	Moderate-M		Weak-L	Weak-L	Moderate-N
							Course Outcome (CO) 3	To Write an Android	60	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 4	To prepare android	60	Global	Moderate-M			Moderate-M		Weak-L	Weak-L	Moderate-N
							Course Outcome (CO) 5	Able to develop the android	60	Global	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L	Moderate-N	M Moderate-N
							Course Outcome (CO) 6	Able develop the android	60	Global	Moderate-M	Strong-H	Moderate-M	Moderate-M		Weak-L	Weak-L	Weak-L
Sem II	TE7549	301420209	Cloud Computing and Distributing Systems	Specialization elective: Software	3	Not opted	Course Outcome (CO) 1	Overview of Microsoft Azure	60	Global	Moderate-M			Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
			_ ioniouning oyotenis			-	Course Outroma (CO) 2	Azure Management Tools	60	Global	Weak-L	Weak-L	Madamita M	Moderate-M	Strong-H	Weak-L	Moderate-N	M Moderate-N
								Virtual Machines in Azure	60	Global	Weak-L Weak-L	Weak-L Weak-L	Moderate-M Moderate-M			Weak-L	Moderate-N	

							G 0 4 (CO) 4 C	. 1 C :	60	Global	Weak-L	W 1 T	N 1 . M	Moderate-M	C. II	Weak-L	Moderate-M	N 1 . M
С П	T2201	201420210	D (W 1 :	0 11 4	-	N 1	Course Outcome (CO) 4 Cr					Weak-L						
Sem II	T3281	301420210	Data Warehousing	Specialization	3	Not opted	()	o understand the basics of o understand the basics of	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L Weak-L	Moderate-M	Strong-H	Strong-H Weak-L
						-			60	Global	Moderate-M	Weak-L	Moderate-M			Moderate-M	Weak-L Weak-L	_
								o evaluate ETL process W model development	60	Global	Moderate-M Moderate-M	Moderate-M Weak-L	Weak-L Moderate-M	Moderate-M Weak-L	Strong-H Moderate-M	Moderate-M Strong-H	Moderate-M	Weak-L Moderate-M
								valuation of commercially	60	Global	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
			+			-	()+	roject based on specific case	60	Global	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L
Sem II	T2064	301420211	Entrepreneurship and	Specialization	3	Not opted		stroduction of	60	Global	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Moderate-M	Strong-H
Sem n	12004	301420211	End epreneursinp and	Specialization	,	Not opted		ole Entrepreneurship and	60	National/Loc	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Weak-L	Moderate-M
								nportantance of Business	60	Global	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Moderate-M	Strong-H
							()-	o understand global	60	Global	Strong-H	Moderate-M	Weak-L	Moderate-M		Moderate-M	Moderate-M	Strong-H
								o understand the dynamics	60	Regional/Nat	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Weak-L	Moderate-M
								o Understand different types	60	Global	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Moderate-M	Strong-H
Sem II	T3406	301420212	Foundation Web	Specialization	3	Not opted		nderstand various web	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
Dem II	13400	301420212	Toundation web	Specialization	-	rvot opicu		ble to develop a software	60	Global	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
						+	` '	nderstand the analysis of risk	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
							(/-	nderstand management	60	Global	Weak-L	Weak-L	Weak-L Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
Sem II	T3356	301420213	NOSQL Databases	Specialization	3	Mr.Anirudha		o Understand the basics of	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
Jeni II	13330	301420213	1105QL Databases	Specialization	,	IVII./Aim ddia	()	o Understand the techniques	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M		Weak-L	Weak-L
								o evaluate Case studies –	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M		Weak-L	Weak-L
								o Use Sharding , Persistence	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M		Weak-L	Weak-L
								o Use Clustering, automatic	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L Weak-L	Moderate-M		Weak-L	Weak-L
							` '	o Understand apache	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L Weak-L	Moderate-M		Weak-L	Weak-L
Sem II	T3018	301420214	R Programming	Specialization	3	Not opted	(/ / -	o understand the basics of R	60	Global	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
Jeni II	13010	301420214	Kirogramming	Specialization	,	rvot opicu		o build skills of	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
								o solve the problems in	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L
							(/-	o explain various R Program	60	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
								o explain need of R	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L
						+		o explain the importance of	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
Sem II	T3124	301420215	Software Verification and	Specialization	3	Ms.Kirti Mehare	(/ ·	nderstand the basics of	60	Global	Strong-H	Moderate-M	Moderate-M		Weak-L	Weak-L	Moderate-M	Weak-L
Jein II	13121	301120213	Validation	elective: Software		Minimum Minimum		oftware Testing	00	Ciocai	Duong 11	moderate in	infoderate in	Wioderate W	Wedne 22	Tredit 25	inouclute in	Wedle L
				Danilana		-	Course Outcome (CO) 2 U	Inderstand the test plan and	60	Global	Cturus II	Cturu - II	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M	Weak-L
							\ /	nderstand the test plan and nderstand defect and its	60	Global	Strong-H Moderate-M	Strong-H Weak-L	Moderate-M	Moderate-M	Moderate-M	Weak-L Weak-L	Moderate-M Moderate-M	Moderate-M
							(/-		60									
						-		se software testing	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
						-	\ /'	nderstanding software	60	Global	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M Weak-L	Moderate-M	Weak-L Weak-L
Sem II	T3022	301420216	Construente	Specialization Core	,	Not opted	` /	se software testing tools o understand the basics of	60	Global	Moderate-M Weak-L	Moderate-M Weak-L	Weak-L Moderate-M	Weak-L Weak-L	Moderate-M Weak-L	Weak-L Weak-L	Moderate-M Weak-L	Weak-L Weak-L
Sem n	13022	301420210	Cryptography	Specialization Core	3	Not opted		o understand the basics of o understand cryptography	60	Global	Weak-L	Weak-L	Strong-H	Weak-L Weak-L	Weak-L	Weak-L Weak-L	Weak-L	Weak-L Weak-L
								o build to understand and	60	Global	Weak-L	Moderate-M	Weak-L	Weak-L Weak-L	Weak-L	Weak-L Weak-L	Weak-L	Weak-L Weak-L
								understand the need of	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
							\ /	understand the types of	60	Global	Weak-L	Weak-L	Weak-L	Weak-L Weak-L	Weak-L	Weak-L Weak-L	Weak-L	Weak-L Weak-L
Sem II	T3034	301420217	Database and Application	Carrielization Com-	3	Not onto d	(/-	o understand database	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L Weak-L	Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
Sem n	13034	301420217	Database and Application	Specialization Core	3	Not opted		o understand database o understand types of	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
								o understand types of	60	Global	Weak-L	Weak-L Weak-L	Moderate-M	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
							(/-	o compare various database	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L		Weak-L	Weak-L	Weak-L
							` '	•	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L Weak-L	Strong-H	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
C II	T2617	301420218	Camaita Ctan Janda	Carrielization Com-	-	Not onto d	(/-	o study various case studies	60	Global	Weak-L				Strong-H Weak-L			Weak-L Weak-L
Sem II	T3617	301420218	Security Standards	Specialization Core	-	Not opted		o understand the importance o make student understand	60	Global	Weak-L Weak-L	Weak-L Weak-L	Moderate-M Moderate-M	Moderate-M Moderate-M	Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L
			+		_	1		o identify advantage of the	60	Global	Weak-L	Weak-L		Moderate-M	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
	-		+		_	+		o analyse the need of security	60	Global	Weak-L	Weak-L Weak-L	Strong-H Moderate-M			Weak-L Weak-L	Weak-L	Weak-L Weak-L
			+	-	-	+		o make students in	60	Global	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
Sem II	TE7549	301420209	Cloud Computing c=1	Specialization	3	Not opted	\ /·	verview of Microsoft Azure	60	Global	Moderate-M	Moderate-M	Moderate-M		Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L
Sciil II	111/349	301420209	Cloud Computing and	Specialization	,	1 tot opted		zure Management Tools	60	Global	Weak-L	Weak-L	Moderate-M	Strong-H Moderate-M	Strong-H	Weak-L Weak-L	Moderate-M	Moderate-M
	-			-		+		irtual Machines in Azure	60	Global	Weak-L	Weak-L	Moderate-M		Strong-H	Weak-L	Moderate-M	
					_	+	(/-	reating and configuring	60	Global	Weak-L	Weak-L	Moderate-M Moderate-M	Moderate-M	Strong-H Strong-H	Weak-L	Moderate-M Moderate-M	
Sem II	T2064	301420211	Entrepreneurship and	Specialization	3	Not opted		troduction of	60	Global	Strong-H	Moderate-M	Weak-L	Moderate-M Moderate-M	Weak-L	Moderate-M	Moderate-M	Strong-H
Sciil II	12004	301420211	Endepreneursnip and	эрестандацоп	,	140t opted	` '	ole Entrepreneurship and	60		_	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Weak-L	Moderate-M
				-	-	+	(/-	, ,	60		Strong-H	-	Weak-L	Moderate-M	Weak-L		Moderate-M	
				-	-	-		nportantance of Business o understand global	60	Global	Strong-H	Moderate-M Moderate-M	Weak-L Weak-L	Moderate-M Moderate-M	Weak-L Weak-L	Moderate-M Moderate-M		Strong-H
				-	-	-		8	60		Strong-H		Meak-L Moderate-M	Weak-L	Meak-L Moderate-M		Moderate-M Weak-L	Strong-H Moderate-M
			+	-	-	+		o understand the dynamics	60	Regional/Nat Global	Strong-H	Strong-H			Moderate-M Weak-L	Strong-H		
Sem II	T3618	301420219	IT Audit and Risk	Spacializati	2.	Not onted		o Understand different types	60	Global	Strong-H	Moderate-M	Weak-L Strong	Moderate-M Moderate		Moderate-M	Moderate-M	Strong-H
Sem II	13018	301420219	11 Audit and Risk	Specialization	2	Not opted		oftware audit concepts.			Strong	Strong	Strong		Moderate	Strong	Strong	Strong
					-	-	\ /	NSI/ISO/ASQC Q10011-	60	Global	Strong	Strong	Strong	Moderate	Moderate	Strong	Strong	Strong Moderate
						-	` ' /	udit phases.		National /	Strong	Strong	Moderate	Strong	Strong	Moderate	Moderate	
						-		tudents should understand	60	National /	Strong	Strong	Moderate	Strong	Strong	Moderate	Moderate	Moderate
0	ma c = =	201/2			-		(/-	oftware reveiews and audits	60	Global	Moderate	Moderate	Strong	Weak	Weak	Strong	Strong	Strong
Sem II	T3625	301420220	Network Security Testing	Specialization	2	Not opted	Course Outcome (CO) 1 Ai	ims in providing hands on	60	Global	Strong	Weak	Weak	Weak	Strong	Weak	Weak	Weak

							Course Outcome (CO) 2	To explain implementing	60	Global	Strong	Moderate	Weak	Weak	Weak	Weak	Weak	Weak
							Course Outcome (CO) 2	To experiment the network	60	Global	Moderate	Weak	Weak	Weak	Moderate	Weak	Weak	Weak
							Course Outcome (CO) 4	To understand need for	60	Global	Moderate	Weak	Weak	Weak	Moderate	Weak	Weak	Weak
							Course Outcome (CO) 5	To understand tools for	60	Global	Weak	Moderate	Weak	Weak	Strong	Weak	Weak	Weak
Sem II	T3645	301420221	Secure Software	Specialization	2	Not opted	Course Outcome (CO) 1	To understand the importance	60	Global	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 2	To make student understand	60	Global	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 3	To identify advantage of the	60	Global	Weak-L	Weak-L	Strong-H	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 4	To analyse the need of secure	60	Global	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 5	To make students in	60	Global	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
Sem II	T3619	301420222	Web Application Security	Specialization	2	Not opted	Course Outcome (CO) 1	To Understand the basics of	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 2	Studying different types of	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 3	Technquies to prevent such	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 4	Learn latest practices to secure	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 5	After learning fundamentals of	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
Sem II	T3120	301420207	Software Project	Specilazation Core	4	Dr.Sandeep	Course Outcome (CO) 1	At the end of this course	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
			Management	Course - Data cience		Gaikwad		students will be able to										
							Course Outcome (CO) 2	Students will be able to	60	National/Loc	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M		Strong-H	Strong-H
							Course Outcome (CO) 3	Students will be able to	60	National/Loc	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 4	Students will be able to	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	
							Course Outcome (CO) 5	Students will learn and apply	60	National/Loc	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	
							Course Outcome (CO) 6	Students will get introductory	60	National/Loc	Strong-H	Moderate-M Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H
Sem II	T3576	301420223	Computation Methods	Specilazation Core	2	Mr.Annirudh	Course Outcome (CO) 7 Course Outcome (CO) 1	Students will get introductory Introduction to Linear Algebra	60	National/Loc Global	Strong-H Strong-H	Strong-H	Strong-H Strong-H	Moderate-M Strong-H	Strong-H Strong-H	Strong-H Strong-H	Strong-H Strong-H	Strong-H Strong-H
Sem n	13376	301420223	Computation Methods	Course - Data cience		Kshirsagar	Course Outcome (CO) I	introduction to Linear Algebra	00	Giobai	Strong-ri	Strong-ri	Strong-ri	Strong-ri	Strong-ri	Strong-ri	Strong-ri	Strong-ri
				Course Data cience		Teminagai	Course Outcome (CO) 2	Problems in Linear	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 3	Introduction to Matrix	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	
							Course Outcome (CO) 4	Solving the problem Row on	60	Global	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M
							Course Outcome (CO) 5	Eigenvalues and Eigenvectors	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Strong-H	Strong-H
							Course Outcome (CO) 6	Mathematical Algorithms	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Strong-H	Strong-H
Sem II	T3577	301420224	Data Analysis Using Python	Specilazation Core Course - Data cience	2	Mr. Prathamesh Lahande	Course Outcome (CO) 1	To discuss and exercise different array operations using Numpy	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							Course Outcome (CO) 2	To discuss case study based	60	National/Loc	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							Course Outcome (CO) 3	To understand concept of data	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							Course Outcome (CO) 4	To discuss case studies on	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							Course Outcome (CO) 5	To understand and implement	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H	Weak-L
							Course Outcome (CO) 6	To understand and implement										
Sem II	TE7549	301420209	Cloud Computing and Distributing Systems	Specilazation Elective - Data cience	3	Not opted	Course Outcome (CO) 1	Overview of Microsoft Azure	60	Global		Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 2	Azure Management Tools	60	Global	Weak-L Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H	Weak-L	Moderate-M	Moderate-M
							Course Outcome (CO) 3 Course Outcome (CO) 4	Virtual Machines in Azure	60	Global	Weak-L	Weak-L Weak-L	Moderate-M Moderate-M	Moderate-M Moderate-M	Strong-H	Weak-L Weak-L	Moderate-M Moderate-M	Moderate-M Moderate-M
Sem II	T3281	301420210	Data Warehousing	Specilazation Elective	3	Not opted	Course Outcome (CO) 4	Creating and configuring To understand the basics of	60	Global		Moderate-M	Moderate-M	Weak-L	Strong-H Weak-L	Moderate-M	Strong-H	
Semin	13281	301420210	Data warenousing	Specifiazation Elective	3	Not opted	Course Outcome (CO) 2	To understand the basics of	60	Global	Strong-H Moderate-M	Weak-L	Moderate-M		Weak-L Weak-L	Moderate-M	Weak-L	Strong-H Weak-L
							Course Outcome (CO) 3	To evaluate ETL process	60	Global	Moderate-M	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 4	DW model development	60	Global	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	
							Course Outcome (CO) 5	Evaluation of commercially	60	Global	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 6	Project based on specific case	60	Global	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L
Sem II	T2064	301420211	Entrepreneurship and	Specilazation Elective	3	Not opted	Course Outcome (CO) 1	Introduction of	60	Global	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Moderate-M	Strong-H
		-	· · · · · · · · · · · · · · · · · · ·	T	-	1	Course Outcome (CO) 2	Role Entrepreneurship and	60	National/Loc	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Weak-L	Moderate-M
							Course Outcome (CO) 3	Importantance of Business	60	Global	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Moderate-M	Strong-H
							Course Outcome (CO) 4	To understand global	60	Global	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Moderate-M	Strong-H
							Course Outcome (CO) 5	To understand the dynamics	60	Regional/Nat	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Weak-L	Moderate-M
							Course Outcome (CO) 6	To Understand different types	60	Global	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Moderate-M	Strong-H
Sem II	T3356	301420213	NOSQL Databases	Specilazation Elective	3	Mr.Anirudha	Course Outcome (CO) 1	To Understand the basics of	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 2	To Understand the techniques	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 3	To evaluate Case studies -	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 4	To Use Sharding, Persistence	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 5	To Use Clustering, automatic	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 6	To Understand apache	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	-	Weak-L	Weak-L
Sem II	T3018	301420214	R Programming	Specilazation Elective	3	Not opted	Course Outcome (CO) 1	To understand the basics of R	60	Global	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 2	To build skills of	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 3	To solve the problems in	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 4	To explain various R Program	60	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
				1	1	1	Course Outcome (CO) 5	To explain need of R	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L
Sem II	T3567	301420227	Data Analysis and	Specilazation Elective	3	Ms. Komal Dhoka	Course Outcome (CO) 6 Course Outcome (CO) 1	To explain the importance of To understand all basics of	60	Global	Weak-L Strong-H	Weak-L Weak-L	Moderate-M Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L	Weak-L Weak-L

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							Course Outcome (CO) 2	To analyze, model and	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 3	Understand different aspects	60	Global	Weak-L	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 4	Plotting data	60	Global	Weak-L	Weak-L	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 5	Tools and Techniques	60	Global	Weak-L	Weak-L	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 6	Case Study	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H
Sem II	T3268	301420228	Fuzzy Logic	Specilazation Elective	3	Not opted	Course Outcome (CO) 1	To understand the concepts of	60	Global	Strong	Weak						
							Course Outcome (CO) 2	To understand the importance	60	Global	Weak	Moderate	Weak	Weak	Weak	Weak	Weak	Weak
							Course Outcome (CO) 3	To understand the usage of	60	Global	Weak	Moderate	Weak	Weak	Weak	Weak	Weak	Weak
							Course Outcome (CO) 4	To explain various	60	Global	Strong	Weak						
							Course Outcome (CO) 5	To understand the need of	60	Global	Weak	Moderate	Weak	Weak	Weak	Weak	Weak	Weak
							Course Outcome (CO) 6	To discuss Fuzzy with various	60	Global	Weak	Moderate	Weak	Weak	Weak	Weak	Weak	Weak
Sem IV	T3916	30142401 - PP	Industry Internship	Generic Core	16	Dr.Sachin Naik	Course Outcome (CO) 1	To provide industrial exposure	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 2	To provide platform for the	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 3	To solve complex industrial	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 4	To implement there	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 5	To learn hands on during	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H