



L. N. MISHRA COLLEGE OF BUSINESS MANAGEMENT

(Affiliated and Approved by UGC & All India Council for Technical Education)

An Autonomous College Under B. R. Ambedkar Bihar University
Muzaffarpur

Ref. No. :

Date.....

PROGRAM NAME – MASTER OF COMPUTER APPLICATION

(M.C.A.)

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(101)		
Course Name	Computer and its Application		
Lecture / Tutorial (perweek):	3/0/0	Course Credits	4
Course Coordinator Name	Mr. Suket Jha		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	20	40%	2
PO2	CO1, CO2,CO3	35	70%	3
PO3	CO2,CO3	25	50%	3
PO4	-	-	-	-
PO5	CO3	15	30%	2
PO6	CO4	15	30%	2
PO7	CO4	15	30%	2
PO8	-	-	-	-
PO9	CO4	15	30%	2
PO10	-	-	-	-

Course – PO/PSO mapping

CS-(101)	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	2	3	3	-	2	2	2	-	2	-



Bhagwanpur Chowk, Muzaffarpur - 842 001

Tel. Fax No. : (0621) 2255905, 2250204

E-mail : info@lnmcbm.org; Website : www.lnmcbm.org

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	3	-	-	-	-	-	-	-	-
CO2	2	3	3	-	-	-	-	-	-	-
CO3	-	3	3		2	-	-	-	-	-
CO4	-	-	-	-	-	2	2	-	2	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(102)		
Course Name	Mathematical Foundation		
Lecture/Tutorial(per week):	3/0/2	Course Credits	4
Course Coordinator Name	Dr. Shiv Kant Kumar		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO3,CO4	25	50%	3
PO2	CO1,CO2, CO3,CO4	25	50%	3
PO3	CO2, CO3.CO4	25	50%	3
PO4	CO2	20	40%	2
PO5	CO1,CO3,CO4	20	40%	2
PO6	-	-	-	-
PO7	-	-	-	-
PO8	CO3,CO4	15	30%	2
PO9	CO4	10	20%	1
PO10	-	-	-	-

Course – PO/PSO mapping

CS-102	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	2	2	-	-	2	1	-



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	-	-	2	-	-	-	-	-
CO2	3	3	3	2	-	-	-	-	-	-
CO3	3	3	3	-	2	-	-	2	-	-
CO4	3	3	3	-	2	-	-	2	1	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(103)		
Course Name	Programming in C Language		
Lecture/Tutorial(per week):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Vijay Kumar Singh		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	25	50%	3
PO2	CO1, CO3	25	50%	3
PO3	CO1, CO2	25	50%	3
PO4	CO1, CO2	25	50%	3
PO5	CO3	10	20%	1
PO6	CO4	15	30%	2
PO7	CO3	10	20%	1
PO8	CO3	10	20%	1
PO9	CO4	15	30%	2
PO10	CO3, CO4	25	50%	3

Course – PO/PSO mapping

CS-103	PO										
	1	2	3	4	5	6	7	8	9	10	1
Mapping Strength	3	3	3	3	1	2	1	1	2	3	3



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	-	-	-	-	-	-
CO2	3	-	3	3	-	-	-	-	-	-
CO3	-	3	-	-	1	-	1	1	-	3
CO4	-	-	-	-	-	2	-	-	2	3

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

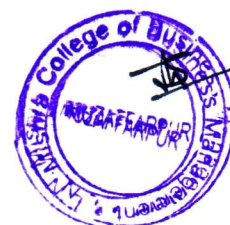
Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(104)		
Course Name	Statistical Techniques		
Lecture / Tutorial (perweek):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Fahim Iqbal		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,,CO4	35	70%	3
PO2	CO1, CO2,CO3,CO4	50	100%	3
PO3	CO1, CO2,CO3	35	70%	3
PO4	CO4	15	30%	3
PO5	-	-	-	-
PO6	-	-	-	-
PO7	-	-	-	-
PO8	-	-	-	-
PO9	-	-	-	-
PO10	-	-	-	-

Course – PO/PSO mapping

CS-(104)	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	3	-	-	-	-	-	-



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	-	-	-	-	-	-	-
CO2	3	3	3	-	-	-	-	-	-	-
CO3	-	3	3		-	-	-	-	-	-
CO4	3	3	-	3	-		-	-	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(105)		
Course Name	Business Data Processing and File Systems		
Lecture/Tutorial(per week):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. I B Lal		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	Mapping Strength
PO1	CO1, CO2	25	50%	3
PO2	CO1, CO3	25	50%	3
PO3	CO1, CO2	25	50%	3
PO4	CO1, CO2	25	50%	3
PO5	CO3	10	20%	1
PO6	CO4	15	30%	2
PO7	CO3	10	20%	1
PO8	CO3	10	20%	1
PO9	CO4	15	30%	2
PO10	CO3, CO4	25	50%	3

Course – PO/PSO mapping

CS-105	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	3	1	2	1	1	2	3



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	-	-	-	-	-	-
CO2	3	-	3	3	-	-	-	-	-	-
CO3	-	3	-	-	1	-	1	1	-	3
CO4	-	-	-	-	-	2	-	-	2	3

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(201)		
Course Name	Computer Architecture		
Lecture/Tutorial(per week):	3/0/0	Course Credits	4
Course Coordinator Name	Shah Salamat Ali Rizvi		

PO's/PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	%Of session	Mapping Strength
PO1	CO1, CO2	25	50%	3
PO2	CO1,CO3	25	50%	3
PO3	CO3	15	30%	2
PO4	CO4	10	20%	1
PO5	CO1	10	20%	1
PO6	CO4	10	20%	1
PO7	-	-	-	-
PO8	CO2,CO3	30	60%	3
PO9	CO4	10	20%	1
PO10	-	-	-	-

Course-PO/PSO mapping

CS-201	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	2	1	1	1	-	3	1	-



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	-	-	1	-	-	-	-	-
CO2	3	-	-	-	-	-	-	3	-	-
CO3	-	3	2	-	-	-	-	3	-	-
CO4	-	-	-	1	-	1	-	-	1	-

Correlation Level: 3-High, 2- Moderate, 1-Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(202)		
Course Name	Data Structure		
Lecture/Tutorial(per week):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Vijay Kumar Singh		

PO's/PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	%Of session	Mapping Strength
PO1	CO1, CO2	25	50%	3
PO2	CO1, CO3	30	60%	3
PO3	CO2	10	20%	1
PO4	CO2, CO4	20	40%	2
PO5	CO3	12	25%	1
PO6	CO4	10	20%	1
PO7	CO3	13	25%	1
PO8	-	-	-	-
PO9	CO4	10	20%	1
PO10	-	-	-	-

Course-PO/PSO mapping

CS-202	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	1	2	1	1	1	-	1	-



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	-	-	-	-	-	-	-	-
CO2	3	-	1	2	-	-	-	-	-	-
CO3	-	3	-	-	1	-	1	-	-	-
CO4	-	-	-	2	-	1	-	-	1	-

Correlation Level: 3-High, 2- Moderate, 1-Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-203		
Course Name	Object Oriented Programming		
Lecture / Tutorial (perweek):	3/1	Course Credits	4
Course Coordinator Name	Dr. Radhe Shyam Soni		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1	15	30%	2
PO2	CO1, CO2	30	60%	3
PO3	CO1,CO2	30	60%	3
PO4	CO2, CO3	25	50%	3
PO5	CO3	10	20%	1
PO6	-	-	-	-
PO7	CO3	10	20%	1
PO8	CO4	10	20%	1
PO9	CO4	10	20%	1
PO10	CO4	10	20%	1

Course – PO/PSO mapping

CS-203	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	2	3	3	3	1	-	1	1	1	1



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	3	3	-	-	-	-	-	-	-
CO2	3	3	3	3	-	-	-	-	-	-
CO3	-	3	-	3	1	-	1	-	-	-
CO4	-	-	-	-	-	-	-	1	1	1

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(204)		
Course Name	DBMS		
Lecture/Tutorial(per week):	3/0/2	Course Credits	4
Course Coordinator Name	Dr. I B Lal		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO3	40	80%	3
PO2	CO1, CO3,CO4	35	70%	3
PO3	CO1, CO2,CO4	35	70%	3
PO4	CO1, CO2	25	50%	3
PO5	CO3	15	30%	2
PO6	CO4	10	20%	1
PO7	CO3	15	35%	2
PO8	CO3	10	30%	2
PO9	CO4	10	25%	1
PO10	CO3, CO4	25	50%	3

Course – PO/PSO mapping

CS-204	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	3	2	1	2	2	1	2



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	-	-	-	-	-	-
CO2	3	-	3	3	-	-	-	-	-	-
CO3	3	3	-	-	1	-	2	2	-	3
CO4	-	3	3	-	-	1	-	-	1	3

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-205		
Course Name	Object Oriented Analysis and Design		
Lecture / Tutorial (perweek):	3/1	Course Credits	4
Course Coordinator Name	Dr. Radhe Shyam Soni		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1,CO2	30	60%	3
PO2	CO1, CO2	30	60%	3
PO3	CO2	20	40%	2
PO4	CO3	10	20%	1
PO5	CO3	10	20%	1
PO6	CO3	10	20%	1
PO7	CO4	10	20%	1
PO8	CO1	10	20%	1
PO9	CO4	10	20%	1
PO10	CO4	10	20%	1

Course – PO/PSO mapping

CS-205	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	2	1	1	1	1	1	1	1



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	-	-	-	-	1	-	-
CO2	3	3	2	-	-	-	-	-	-	-
CO3	-	-	-	1	1	1	-	-	-	-
CO4	-	-	-	-	-	-	1	-	1	1

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-301		
Course Name	Operating System		
Lecture / Tutorial (perweek):	3/1	Course Credits	4
Course Coordinator Name	Dr. Radhe Shyam Soni		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1	10	20%	1
PO2	CO1, CO2	20	40%	2
PO3	CO2	10	20%	1
PO4	CO1	10	20%	1
PO5	CO2,CO3	30	60%	3
PO6	CO3	20	40%	2
PO7	CO4	10	20%	1
PO8	CO4	10	20%	1
PO9	CO3	20	40%	2
PO10	CO4	10	20%	1

Course – PO/PSO mapping

CS-301	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	1	2	1	1	3	2	1	1	2	1



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	1	2	-	1	-	-	-	-	-	-
CO2	-	2	1	-	3	-	-	-	-	-
CO3	-	-	-	-	3	2	-	-	2	-
CO4	-	-	-	-	-	-	1	1	-	1

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(302)		
Course Name	Computer Networks		
Lecture / Tutorial (perweek):	4/1/0	Course Credits	5
Course Coordinator Name	Dr. Fahim Iqbal		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,,CO4	35	70%	3
PO2	CO3	15	30%	2
PO3	CO1, CO2,CO3	35	70%	3
PO4				
PO5	-			
PO6	-			
PO7	-			
PO8	CO4	15	30%	2
PO9	-	-	-	
PO10	-	-	-	-

Course – PO/PSO mapping

CS-302	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	2	3		-	-	-	2	-	-



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	-	-	-	-	-	-	-	-	-
CO2	3			-	-	-	-	-	-	-
CO3	-	2	2		-	-	-	-	-	-
CO4	3		-		-		-	2	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(303)		
Course Name	Design and Analysis of Algorithm		
Lecture/Tutorial(per week):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Vijay Kumar Singh		

PO's/PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	25	50%	3
PO2	CO1, CO2	30	60%	3
PO3	CO3	10	20%	1
PO4	CO3	20	40%	2
PO5	CO3,CO4	12	25%	1
PO6	-	-	-	-
PO7	CO3	13	25%	1
PO8	CO4	10	25%	1
PO9	CO4	10	20%	1
PO10	CO4	10	20%	1

Course – PO/PSO mapping

CS-303	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	1	2	1	-	1	1	1	1



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	-	-	-	-	-	-	-	-
CO2	3	3	-	-	-	-	-	-	-	-
CO3	-	-	1	2	1	-	1	-	-	-
CO4	-	-	-	-	1	-	-	1	1	1

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(304)		
Course Name	Software Engineering		
Lecture/Tutorial(per week):	3/0/2	Course Credits	4
Course Coordinator Name	Dr. I B Lal		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	25	50%	3
PO2	CO1, CO3	25	50%	3
PO3	CO1, CO2	25	50%	3
PO4	CO1, CO2	25	50%	3
PO5	CO3	15	30%	2
PO6	CO4	10	20%	1
PO7	CO3	15	35%	2
PO8	CO3	10	30%	2
PO9	CO4	10	25%	1
PO10	CO3, CO4	25	50%	3

Course – PO/PSO mapping

CS-304	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	3	2	1	2	2	1	2



CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	-	-	-	-	-	-
CO2	3	-	3	3	-	-	-	-	-	-
CO3	-	3	-	-	1	-	2	2	-	3
CO4	-	-	-	-	-	1	-	-	1	3

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(305)		
Course Name	Compiler Design		
Lecture/Tutorial(per week):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Savya Sachi		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	20	40%	2
PO2	CO1, CO2,CO3	30	60%	3
PO3	CO1, CO2,CO5	30	60%	3
PO4	CO2	10	20%	1
PO5	CO3,CO5	20	40%	2
PO6	CO3,CO4	20	40%	2
PO7	CO3	10	20%	1
PO8	CO4	10	20%	1
PO9	CO4	10	20%	1
PO10	CO4	10	20%	1



Course – PO/PSO mapping

CS-305	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	2	3	3	1	2	2	1	1	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	3	3	-	-	-	-	-	-	-
CO2	2	3	3	1	-	-	-	-	-	-
CO3	-	3	-	-	2	2	1	-	-	-
CO4	-	-	-	-	-	2	-	1	1	1
CO5	-	-	3	-	2	-	-	-	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(401)		
Course Name	Web Technology		
Lecture/Tutorial(per week):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Vijay Kumar Singh		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	Mapping Strength
PO1	CO1, CO2	20	50%	3
PO2	CO1, CO3	20	50%	3
PO3	CO1, CO2	20	50%	3
PO4	CO1, CO2	20	50%	3
PO5	CO3	10	25%	1
PO6	CO4	10	25%	1
PO7	CO3	10	25%	1
PO8	CO3	10	25%	1
PO9	CO4	10	25%	1
PO10	CO3, CO4	20	50%	2



Course – PO/PSO mapping

CS-401	PO										
	1	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	3	1	1	1	1	1	1	2

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	-	-	-	-	-	-
CO2	3	-	3	3	-	-	-	-	-	-
CO3	-	3	-	-	1	-	1	1	-	2
CO4	-	-	-	-	-	1	-	-	1	1

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(402)		
Course Name	Cryptography & Network Security		
Lecture / Tutorial (perweek):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Savya Sachi		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	20	50%	3
PO2	CO1, CO3	20	50%	3
PO3	CO1, CO2	20	50%	3
PO4	CO1, CO2	20	50%	3
PO5	CO3	10	25%	1
PO6	CO4	10	25%	1
PO7	CO3	10	25%	1
PO8	CO3	10	25%	1
PO9	CO4	10	25%	1
PO10	CO3, CO4	20	50%	2



Course – PO/PSO mapping

CS-402	PO										
	1	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	3	1	1	1	1	1	1	2

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	-	-	-	-	-	-
CO2	3	-	3	3	-	-	-	-	-	-
CO3	-	3	-	-	1	-	1	1	-	2
CO4	-	-	-	-	-	1	-	-	1	1

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(403)		
Course Name	Soft Computing		
Lecture / Tutorial (perweek):	4/1/0	Course Credits	5
Course Coordinator Name	Dr. Fahim Iqbal		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,,CO4	35	70%	3
PO2	CO3	15	30%	2
PO3	CO1, CO2,CO3	35	70%	3
PO4	-	-	-	-
PO5	-	-	-	-
PO6	-	-	-	-
PO7	-	-	-	-
PO8	CO4	15	30%	2
PO9	-	-	-	-
PO10	-	-	-	-



Course – PO/PSO mapping

CS-403	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	2	3		-	-	-	2	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	-	-	-	-	-	-	-	-	-
CO2	3			-	-	-	-	-	-	-
CO3	-	2	2		-	-	-	-	-	-
CO4	3		-		-		-	2	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(404)		
Course Name	Computer Graphics and Applications		
Lecture / Tutorial (perweek):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Savya Sachi		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO3	40	80%	3
PO2	CO2	10	20%	1
PO3	CO1, CO2	25	50%	3
PO4	CO3	15	30%	2
PO5	CO1, CO3	30	60%	3
PO6	-	-	-	-
PO7	CO3	15	30%	2
PO8	CO4	10	20%	1
PO9	CO4	10	20%	1
PO10	CO1, CO4	25	50%	3



Course – PO/PSO mapping

CS-404	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	1	3	2	3	-	2	1	1	3

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3		3	-	3	-	-	-	-	3
CO2	3	1	3	-	-	-	-	-	-	-
CO3	3		-	2	3	-	2	-	-	-
CO4	-	-	-	-	-	-	-	1	1	3

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(405)		
Course Name	Management & Information System		
Lecture / Tutorial (perweek):	4/1/0	Course Credits	5
Course Coordinator Name	Dr. Fahim Iqbal		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,,CO4	35	70%	3
PO2	CO3	15	30%	2
PO3	CO1, CO2,CO3	35	70%	3
PO4	-	-	-	-
PO5	-	-	-	-
PO6	-	-	-	-
PO7	-	-	-	-
PO8	CO4	15	30%	2
PO9	-	-	-	-
PO10	-	-	-	-



Course – PO/PSO mapping

CS-405	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	2	3		-	-	-	2	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	-	-	-	-	-	-	-	-	-
CO2	3			-	-	-	-	-	-	-
CO3	-	2	2		-	-	-	-	-	-
CO4	3		-		-		-	2	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-501		
Course Name	Wireless Networking		
Lecture / Tutorial (perweek):	3/0/0	Course Credits	4
Course Coordinator Name	Mr. Suket Jha		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	30	60%	3
PO2	CO1, CO3	30	60%	3
PO3	CO2	10	20%	1
PO4	CO2, CO4	20	40%	2
PO5	CO3	10	20%	1
PO6	CO4	10	20%	1
PO7	CO3	10	20%	1
PO8	-	-	-	-
PO9	CO4	10	20%	1
PO10	-	-	-	-



Course – PO/PSO mapping

CS-501	PO										
	1	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	1	2	1	1	1	1	-	1	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	-	-	-	-	-	-	-	-
CO2	3	-	1	2	-	-	-	-	-	-
CO3	-	3	-	-	1	-	1	-	-	-
CO4	-	-	-	2	-	1	-	-	1	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS 502		
Course Name	Distributed System		
Lecture / Tutorial (perweek):	4/1/0	Course Credits	5
Course Coordinator Name	Dr. Fahim Iqbal		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,,CO4	35	70%	3
PO2	CO3	15	30%	2
PO3	CO1, CO2,CO3	35	70%	3
PO4	-	-	-	-
PO5	-	-	-	-
PO6	-	-	-	-
PO7	-	-	-	-
PO8	CO4	15	30%	2
PO9	-	-	-	-
PO10	-	-	-	-



Course – PO/PSO mapping

CS-502	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	2	3		-	-	-	2	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	-	-	-	-	-	-	-	-	-
CO2	3			-	-	-	-	-	-	-
CO3	-	2	2		-	-	-	-	-	-
CO4	3		-		-		-	2	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(503)		
Course Name	Data & Web Mining		
Lecture / Tutorial (perweek):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Savya Sachi		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	25	50%	3
PO2	CO1, CO3	25	50%	3
PO3	CO2	10	20%	1
PO4	CO2, CO4	25	50%	3
PO5	CO3	10	20%	1
PO6	CO4	15	30%	2
PO7	CO3	10	20%	1
PO8	-	-	-	-
PO9	CO4	15	30%	2
PO10	-	-	-	-



Course – PO/PSO mapping

CS-503	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	1	3	1	1	1	-	1	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	-	-	-	-	-	-	-	-
CO2	3	-	1	2	-	-	-	-	-	-
CO3	-	3	-	-	1	-	1	-	-	-
CO4	-	-	-	2	-	1	-	-	1	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute / College Name :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(504)		
Course Name	PARALLEL COMPUTING		
Lecture / Tutorial (perweek):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Savya Sachi		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	30	60%	3
PO2	CO1, CO3	30	60%	3
PO3	CO2	10	20%	1
PO4	CO2, CO4	20	40%	2
PO5	CO3	10	20%	1
PO6	CO4	10	20%	1
PO7	CO3	10	20%	1
PO8	-	-	-	-
PO9	CO4	10	20%	1
PO10	-	-	-	-



Course – PO/PSO mapping

CS-504	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	1	2	1	1	1	-	1	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	-	-	-	-	-	-	-	-
CO2	3	-	1	2	-	-	-	-	-	-
CO3	-	3	-	-	1	-	1	-	-	-
CO4	-	-	-	2	-	1	-	-	1	-

Correlation Level: 3- High, 2- Moderate, 1- Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(505)		
Course Name	. NET		
Lecture/Tutorial(per week):	3/0/0	Course Credits	4
Course Coordinator Name	Shah Salamat Ali Rizvi		

PO's/PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	%Of session	Mapping Strength
PO1	CO2, CO3	30	60%	3
PO2	CO2	15	30%	2
PO3	CO2	15	30%	2
PO4	-	-	-	-
PO5	CO1,CO3	25	50%	3
PO6	CO4	10	20%	1
PO7	-	-	-	-
PO8	CO3	15	30%	2
PO9	CO4	10	20%	1
PO10	-	-	-	-



Course-PO/PSO mapping

CS-505	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	2	2	-	3	1	-	2	1	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	-	-	-	-	3	-	-	-	-	-
CO2	3	2	2	-	-	-	-	3	-	-
CO3	3	-	-	-	3	-	-	2	-	-
CO4	-	-	-	-	-	1	-	-	1	-

Correlation Level: 3-High, 2- Moderate, 1-Low

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(506)		
Course Name	Colloquial		
Lecture/Tutorial(per week):	3/0/0	Course Credits	4
Course Coordinator Name	Dr. Bhanu Pratap		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2	20	40%	2
PO2	CO1, CO2,CO3	35	70%	3
PO3	CO2,CO3	25	50%	3
PO4	-	-	-	-
PO5	CO3	15	30%	2
PO6	CO4	15	30%	2
PO7	CO4	15	30%	2
PO8	-	-	-	-
PO9	CO4	15	30%	2
PO10	-	-	-	-



Course – PO/PSO mapping

CS-506	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	2	3	3	-	2	2	2	-	2	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	3	-	-	-	-	-	-	-	-
CO2	2	3	3	-	-	-	-	-	-	-
CO3	-	3	3		2	-	-	-	-	-
CO4	-	-	-	-	-	2	2	-	2	-

Correlation Level: 3- High, 2- Moderate, 1- Low



(M.C.A. - LAB)

COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(106)		
Course Name	Lab on Programming in C & Linux		
Lecture/Tutorial(per week):	3/1	Course Credits	4
Course Coordinator Name	Dr. Fahim Iqbal		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO4	30	60%	3
PO2	CO1, CO2,CO4	30	60%	3
PO3	CO1, CO3,CO4	30	60%	3
PO4	CO2,CO4	20	40%	2
PO5	-	-	-	-
PO6	CO3	10	20%	1
PO7	CO3	10	20%	1
PO8	CO2	10	20%	1
PO9	-	-	-	-
PO10	-	-	-	-

Course – PO/PSO mapping

CS-106	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	2	-	1	1	1	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	-	-	-	-	-	-	-
CO2	3	3	-	3	-	-	-	1	-	-
CO3	-	-	3	-	-	1	1	-	-	-
CO4	3	3	3	3	-	-	-	-	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low



COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(107)		
Course Name	STAT & BDPFS LAB		
Lecture/Tutorial(per week):	3/1	Course Credits	4
Course Coordinator Name	Mr. Suket Jha		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO4	30	60%	3
PO2	CO1, CO2,CO4	30	60%	3
PO3	CO1, CO3,CO4	30	60%	3
PO4	CO2,CO4	20	40%	2
PO5	-	-	-	-
PO6	CO3	10	20%	1
PO7	CO3	10	20%	1
PO8	CO2	10	20%	1
PO9	-	-	-	-
PO10	-	-	-	-

Course – PO/PSO mapping

CS-107	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	2	-	1	1	1	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	-	-	-	-	-	-	-
CO2	3	3	-	3	-	-	-	1	-	-
CO3	-	-	3		-	1	1	-	-	-
CO4	3	3	3	3	-	-	-	-	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low



COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(206)		
Course Name	LAB on OOP & CORE JAVA		
Lecture/Tutorial(per week):	3/0	Course Credits	4
Course Coordinator Name	Dr. Vijay Kumar Singh		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO4	30	60%	3
PO2	CO1, CO2,CO4	30	60%	3
PO3	CO1, CO3,CO4	30	60%	3
PO4	CO2,CO4	20	40%	2
PO5	-	-	-	-
PO6	CO3	10	20%	1
PO7	CO3	10	20%	1
PO8	CO2	10	20%	1
PO9	CO3	10	20%	1
PO10	-	-	-	-

Course – PO/PSO mapping

CS-206	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	2	-	1	1	1	1	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	-	-	-	-	-	-	-
CO2	3	3	-	3	-	-	-	1	-	-
CO3	-	-	3	-	-	1	1	-	1	-
CO4	3	3	3	3	-	-	-	-	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low



COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(207)		
Course Name	LAB on DBMS & OOAD		
Lecture/Tutorial(per week):	3/1	Course Credits	4
Course Coordinator Name	Dr. I. B. Lal & Dr. Savyasachi		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO4	30	60%	3
PO2	CO1, CO2,CO4	30	60%	3
PO3	CO1, CO3,CO4	30	60%	3
PO4	CO2,CO4	20	40%	2
PO5	-	-	-	-
PO6	CO3	10	20%	1
PO7	CO3	10	20%	1
PO8	CO2	10	20%	1
PO9	-	-	-	-
PO10	-	-	-	-

Course – PO/PSO mapping

CS-207	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	2	-	1	1	1	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	-	-	-	-	-	-	-
CO2	3	3	-	3	-	-	-	1	-	-
CO3	-	-	3		-	1	1	-	-	-
CO4	3	3	3	3	-	-	-	-	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low



COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(306)		
Course Name	CN & OS Lab		
Lecture/Tutorial(per week):	0/0/3	Course Credits	4
Course Coordinator Name	Mr. Suket Jha		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO4	30	60%	3
PO2	CO1, CO2,CO4	30	60%	3
PO3	CO1, CO3,CO4	30	60%	3
PO4	CO2,CO4	20	40%	2
PO5	-	-	-	-
PO6	CO3	10	20%	1
PO7	CO3	10	20%	1
PO8	CO2	10	20%	1
PO9	-	-	-	-
PO10	-	-	-	-

Course – PO/PSO mapping

CS-306	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	2	-	1	1	1	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	-	-	-	-	-	-	-
CO2	3	3	-	3	-	-	-	1	-	-
CO3	-	-	3		-	1	1	-	-	-
CO4	3	3	3	3	-	-	-	-	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low



COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(307)		
Course Name	Lab on DAA & Software Engineering		
Lecture/Tutorial(per week):	3/1	Course Credits	4
Course Coordinator Name	Dr. I. B. Lal & Dr. Vijay Kumar		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO4	30	60%	3
PO2	CO1, CO2,CO4	30	60%	3
PO3	CO1, CO2,CO3,CO4	30	100%	3
PO4	CO1, CO2,CO4	20	75%	3
PO5	-	-	-	-
PO6	CO3	10	20%	1
PO7	CO3	10	20%	1
PO8	CO2	10	20%	1
PO9	-	-	-	-
PO10	-	-	-	-

Course – PO/PSO mapping

CS-307	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	3	-	1	1	1	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	-	-	-	-	-	-
CO2	3	3	3	3	-	-	-	1	-	-
CO3	-	-	3		-	1	1	-	-	-
CO4	3	3	3	3	-	-	-	-	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low



COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(407)		
Course Name	Lab on Java Script		
Lecture/Tutorial(per week):	3/0	Course Credits	4
Course Coordinator Name	Dr. Vijay Kumar		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO4	30	60%	3
PO2	CO1, CO2,CO4	30	60%	3
PO3	CO1,CO3,CO4	30	60%	3
PO4	CO2,CO4	20	40%	2
PO5	-	-	-	-
PO6	CO3	10	20%	1
PO7	CO3	10	20%	1
PO8	CO2	10	20%	1
PO9	CO3	10	20%	1
PO10	-	-	-	-

Course – PO/PSO mapping

CS-407	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	3	3	2	-	1	1	1	1	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	-	-	-	-	-	-	-
CO2	3	3	-	3	-	-	-	1	-	-
CO3	-	-	3	-	-	1	1	-	1	-
CO4	3	3	3	3	-	-	-	-	-	-

Correlation Level: 3- High, 2- Moderate, 1- Low



COURSE DESCRIPTION

Institute/ College Name:	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	MCA		
Course Code	CS-(507)		
Course Name	Lab on .NET		
Lecture/Tutorial(per week):	3/1	Course Credits	4
Course Coordinator Name	Dr. Shah Salamat Ali Rizvi		

PO's / PSO's addressed by Cos & mapping strength with Course

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO2,CO3	30	60%	3
PO2	CO2	15	30%	2
PO3	CO2	15	30%	2
PO4	-	-	-	-
PO5	CO1,CO3	25	50%	3
PO6	CO4	10	20%	1
PO7	-	-	-	-
PO8	CO3	15	30%	2
PO9	CO4	10	20%	1
PO10	-	-	-	-

Course – PO/PSO mapping

CS-507	PO									
	1	2	3	4	5	6	7	8	9	10
Mapping Strength	3	2	2	-	3	1	-	2	1	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	-	-	-	-	3	-	-	-	-	-
CO2	3	2	2	-	-	-	-	3	-	-
CO3	3	-	-	-	3	-	-	2	-	-
CO4	-	-	-	-	-	1	-	-	1	-

Correlation Level: 3- High, 2- Moderate, 1- Low

