



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 – BACHELOR OF COMPUTER APPLICATION

(B.C.A.)

COURSE DESCRIPTION

INSTITUTE / COLLEGE NAME :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	BCA		
Course Code	BCA-101		
Course Name	MATHEMATICAL FOUNDATION		
Lecture / Tutorial (perweek):	3/1	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	Mapping Strength
PO1	CO1	20	60%	3
PO2	CO2,CO3,CO4	20	40%	2
PO3	CO1CO2,CO4	30	60%	3
PO4	CO2,CO3,CO4	18	36%	2
PO5	-	-	-	-
PO6	CO1,CO3,CO4	12	24%	1
PO7	CO4	12	24%	1

Course-PO/PSO mapping

BCA-101	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	2	3	2	-	1	1

CO & PO Mapping

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

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



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COURSE DESCRIPTION

INSTITUTE / COLLEGE NAME :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	BCA		
Course Code	BCA -102		
Course Name	COMPUTER FUNDAMENTALS		
Lecture / Tutorial (perweek):	3/0	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	Mapping Strength
PO1	CO1, CO2,CO3	30	75%	3
PO2	CO2,CO4	20	50%	3
PO3	CO1, CO2	20	50%	3
PO4	CO1,CO3	20	50%	3
PO5	CO3, CO4	20	50%	3
PO6	CO4	10	25%	1
PO7	CO3	10	25%	1

Course-PO/PSO mapping

BCA-102	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	3	3	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	-	3	3	-	-	-
CO2	3	3	3	-	-	-	-
CO3	3	-	-	3	3	-	1
CO4	-	3	-	-	3	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	BCA		
Course Code	BCA -103		
Course Name	BUSINESS COMMUNICATION AND INFORMATION SYSTEM		
Lecture / Tutorial (perweek):	4/0	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	Mapping Strength
PO1	CO1, CO4	20	40%	2
PO2	CO3	10	20%	1
PO3	CO2,CO3	20	40%	2
PO4	-	-	-	-
PO5	-	-	-	-
PO6	-	-	-	-
PO7	CO4	10	20%	1

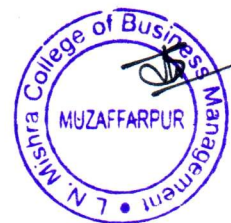
Course-PO/PSO mapping

BCA-103	PO						
	1	2	3	4	5	6	7
Mapping Strength	2	1	2	-	-	-	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	-	-	-	-	-	-
CO2	-	-	2	-	-	-	-
CO3	-	1	2	-	-	-	-
CO4	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	BCA		
Course Code	BCA -104		
Course Name	C 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	Mapping Strength
PO1	CO1,CO2	20	40%	2
PO2	CO1,CO2	20	40%	2
PO3	CO2,CO3	30	60%	3
PO4	CO3	18	36%	2
PO5	CO3,CO4	30	60%	3
PO6	CO4	12	24%	1
PO7	CO4	12	24%	1

Course – PO/PSO mapping

BCA-104	PO						
	1	2	3	4	5	6	7
Mapping Strength	2	2	3	2	3	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	-	-	-	-	-
CO2	2	2	3	-	-	-	-
CO3	-	-	3	2	3	-	-
CO4	-	-	-	-	3	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	BCA		
Course Code	BCA -105		
Course Name	LAB ON DOS AND WINDOWS		
Lecture / Tutorial (perweek):	0/4	Course Credits	4
Course Coordinator Name	Atmaprabha		

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

PO/PSO	CO	No. of Sessions	% Of session	Mapping Strength
PO1	CO1, CO2,CO3,CO4	60	100%	3
PO2	CO1, CO2	33	55%	3
PO3	CO1, CO2	33	55%	3
PO4	CO1, CO2	33	55%	3
PO5	-	-	-	-
PO6	CO1, CO2,CO3,CO4	60	100%	3
PO7	CO1, CO2,CO3,CO4	60	100%	3

Course – PO/PSO mapping

BCA-105	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	3	-	3	3

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	3	3	-	3	3
CO2	3	3	3	3	-	3	3
CO3	3	-	-	-	-	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	BCA		
Course Code	BCA -106		
Course Name	LAB ON C		
Lecture / Tutorial (perweek):	0/0/4	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	Mapping Strength
PO1	CO1,CO2	30	60%	3
PO2	CO1,CO2	30	60%	3
PO3	CO2,CO3	30	60%	3
PO4	CO3	18	36%	2
PO5	CO3,CO4	30	60%	3
PO6	CO4	12	24%	1
PO7	CO4	12	24%	1

Course – PO/PSO mapping

BCA-106	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	2	3	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	-	-	-	-	-
CO2	3	3	3	-	-	-	-
CO3	-	-	3	2	3	-	-
CO4	-	-	-	-	3	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	BCA		
Course Code	BCA -106		
Course Name	LAB ON C		
Lecture / Tutorial (perweek):	0/0/4	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	Mapping Strength
PO1	CO1,CO2	30	60%	3
PO2	CO1,CO2	30	60%	3
PO3	CO2,CO3	30	60%	3
PO4	CO3	18	36%	2
PO5	CO3,CO4	30	60%	3
PO6	CO4	12	24%	1
PO7	CO4	12	24%	1

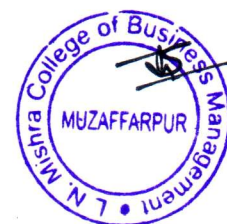
Course – PO/PSO mapping

BCA-106	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	2	3	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	-	-	-	-	-
CO2	3	3	3	-	-	-	-
CO3	-	-	3	2	3	-	-
CO4	-	-	-	-	3	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	BCA		
Course Code	BCA -201		
Course Name	DISCRETE MATHEMATICS		
Lecture / Tutorial (perweek):	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	30	75%	3
PO2	CO2,CO4	20	50%	3
PO3	CO1, CO2	20	50%	3
PO4	CO1,CO3	20	50%	3
PO5	CO3, CO4	20	50%	3
PO6	CO4	10	25%	1
PO7	CO3	10	25%	1

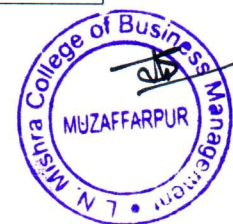
Course – PO/PSO mapping

BCA-201	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	3	3	1	1

CO & PO Mapping

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

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



COURSE DESCRIPTION

INSTITUTE / COLLEGE NAME :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	BCA		
Course Code	BCA -202		
Course Name	COMPUTER ARCHITECTURE		
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,CO3	30	75%	3
PO2	CO2,CO4	20	50%	3
PO3	CO1, CO2	20	50%	3
PO4	CO1,CO3	20	50%	3
PO5	CO3, CO4	20	50%	3
PO6	CO4	10	25%	1
PO7	CO3	10	25%	1

Course – PO/PSO mapping

BCA-202	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	3	3	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	-	3	3	-	-	-
CO2	3	3	3	-	-	-	-
CO3	3	-	-	3	3	-	1
CO4	-	3	-	-	3	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	BCA		
Course Code	BCA -203		
Course Name	DATA STRUCTURE THROUGH C		
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	25	50%	3
PO3	CO1,CO2,CO3	40	80%	3
PO4	CO2,CO3	30	60%	3
PO5	CO3,CO4	25	50%	3
PO6	CO4	10	20%	1
PO7	CO3,CO4	25	50%	3

Course – PO/PSO mapping

BCA-203	PO						
	1	2	3	4	5	6	7
Mapping Strength	1	3	3	3	3	1	3

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	3	-	-	-	-
CO2	2	3	3	3	-	-	-
CO3	-	-	3	2	3	-	3
CO4	-	-	-	-	3	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	BCA		
Course Code	BCA -204		
Course Name	SYSTEM ANALYSIS AND DESIGN		
Lecture / Tutorial (perweek):	3/0/0	Course Credits	4
Course Coordinator Name	Atmaprabha		

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

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1, CO2,CO3	30	75%	3
PO2	CO2,CO4	20	50%	3
PO3	CO1, CO2	20	50%	3
PO4	CO1,CO3	20	50%	3
PO5	CO3, CO4	20	50%	3
PO6	CO4	10	25%	1
PO7	CO3	10	25%	1

Course – PO/PSO mapping

BCA-204	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	3	3	1	1

CO & PO Mapping

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

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



COURSE DESCRIPTION

INSTITUTE / COLLEGE NAME :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	BCA		
Course Code	BCA -205		
Course Name	LAB ON MS OFFICE		
Lecture / Tutorial (perweek):	3/1/0	Course Credits	4
Course Coordinator Name	Atmaprabha		

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

Course – PO/PSO mapping

BCA-205	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	2	-	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	3	-	-	-	-
CO2	3	3	-	3	-	-	-
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	BCA		
Course Code	BCA-206		
Course Name	LAB ON DATA STRUCTURE THROUGH C		
Lecture / Tutorial (perweek):	0/0/4	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,CO3	45	90%	3
PO4	CO2,CO3	30	60%	3
PO5	CO3,CO4	30	60%	3
PO6	CO4	15	30%	2
PO7	CO3,CO4	30	60%	3

Course – PO/PSO mapping

BCA-206	PO						
	1	2	3	4	5	6	7
Mapping Strength	2	3	3	3	3	2	3

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	3	-	-	-	-
CO2	2	3	3	3	-	-	-
CO3	-	-	3	2	3	-	3
CO4	-	-	-	-	3	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	BCA		
Course Code	BCA-301		
Course Name	FUNDAMENTALS OF MANAGEMENT AND BUSINESS ACCOUNTING		
Lecture / Tutorial (perweek):	4/1/0	Course Credits	4
Course Coordinator Name	Dr. Aditya Kumar Jha		

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

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO4	10	25%	1
PO2	-	-	-	
PO3	CO2	10	25%	1
PO4	-	-	-	
PO5	CO3, CO4	22	55%	3
PO6	-	-	-	
PO7	CO4	8	20%	1

Course – PO/PSO mapping

BCA-301	PO						
	1	2	3	4	5	6	7
Mapping Strength	1		1		3		1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	-	-	-	-	-	-
CO2	-	-	1	-	-	-	-
CO3	-	-	-	-	3	-	-
CO4	1	-	-	-	3	-	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	BCA		
Course Code	BCA-302		
Course Name	DBMS		
Lecture / Tutorial (perweek):	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

Course – PO/PSO mapping

BCA-302	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	3	2	1	2

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	3	3	-	-	-
CO2	3	-	3	3	-	-	-
CO3	3	3	-	-	1	-	2
CO4	-	3	3	-	-	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	BCA		
Course Code	BCA-303		
Course Name	OOP USING C++		
Lecture / Tutorial (perweek):	4/0	Course Credits	4
Course Coordinator Name	Dr. Sah Salamat Ali Rizvi		

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	20	40%	2
PO3	CO2,CO3	30	60%	3
PO4	CO3	18	36%	2
PO5	CO3,CO4	30	60%	3
PO6	CO4	12	24%	1
PO7	CO4	12	24%	1

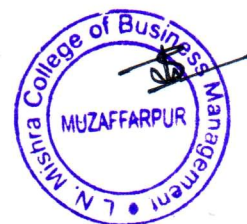
Course – PO/PSO mapping

BCA-303	PO						
	1	2	3	4	5	6	7
Mapping Strength	2	2	3	2	3	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	-	-	-	-	-
CO2	2	2	3	-	-	-	-
CO3	-	-	3	2	3	-	-
CO4	-	-	-	-	3	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	BCA		
Course Code	BCA-304		
Course Name	NUMERICAL METHODOLOGY		
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,CO3,CO4	40	100%	3
PO2	CO1, CO2,O3,CO4	40	100%	3
PO3	-	-	-	-
PO4	CO2	10	25%	1
PO5	-	-	-	-
PO6	-	-	-	-
PO7	-	-	-	-

Course – PO/PSO mapping

BCA-304	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	-	1	-	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	-	-	-	-	-
CO2	3	3	-	1	-	-	-
CO3	3	3	-	-	-	-	-
CO4	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	BCA		
Course Code	BCA-305		
Course Name	LAB ON SQL		
Lecture / Tutorial (perweek):	0/4	Course Credits	4
Course Coordinator Name	Dr. Sandeep Kaushik		

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	60	100%	3
PO2	CO1, CO2	30	50%	3
PO3	CO1, CO2	30	50%	3
PO4	CO1, CO2	30	50%	3
PO5	CO4	15	25%	1
PO6	CO3,CO4	30	50%	3
PO7	CO3,CO4	30	50%	3

Course – PO/PSO mapping

BCA-305	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	3	1	3	3

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	3	3	-	-	-
CO2	3	3	3	3	-	-	-
CO3	3	-	-	-	-	3	3
CO4	3	-	-	-	1	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	BCA		
Course Code	BCA-306		
Course Name	LAB ON C++		
Lecture / Tutorial (perweek):	0/4	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	CO1,CO2	20	40%	2
PO2	CO1,CO2	20	40%	2
PO3	CO2,CO3	30	60%	3
PO4	CO3	18	36%	2
PO5	CO3,CO4	30	60%	3
PO6	CO4	12	24%	1
PO7	CO4	12	24%	1

Course – PO/PSO mapping

BCA-306	PO						
	1	2	3	4	5	6	7
Mapping Strength	2	2	3	2	3	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	-	-	-	-	-
CO2	2	2	3	-	-	-	-
CO3	-	-	3	2	3	-	-
CO4	-	-	-	-	3	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	BCA		
Course Code	BCA-401		
Course Name	JAVA PROGRAMMING		
Lecture / Tutorial (perweek):	4/1	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	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

Course – PO/PSO mapping

BCA-401	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	1	2	1	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	-	-	-	-	-
CO2	3	-	1	2	-	-	-
CO3	-	3	-	-	1	1	1
CO4	-	-	-	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	BCA		
Course Code	BCA-402		
Course Name	COMPUTER GRAPHICS AND MULTIMEDIA		
Lecture / Tutorial (perweek):	3/0/2	Course Credits	4
Course Coordinator Name	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, CO3	30	75%	3
PO2	CO2, CO4	20	50%	3
PO3	CO1, CO2	20	50%	3
PO4	CO1, CO3	20	50%	3
PO5	CO3, CO4	20	50%	3
PO6	CO4	10	25%	1
PO7	CO3	10	25%	1

Course – PO/PSO mapping

BCA-402	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	3	3	3	1	1

CO & PO Mapping

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

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



COURSE DESCRIPTION

INSTITUTE / COLLEGE NAME :	Lalit Narayan Mishra College of Business Management, Muzaffarpur, Bihar.		
Program Name	BCA		
Course Code	BCA-403		
Course Name	OPERATING SYSTEM AND LINUX		
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	-	-		-
PO2	-	-		-
PO3	CO3,CO4	20	50%	3
PO4	CO3	10	25%	1
PO5	CO4	10	25%	1
PO6	-	-	-	-
PO7	-	-	-	-

Course – PO/PSO mapping

BCA-403	PO						
	1	2	3	4	5	6	7
Mapping Strength	-	-	3	1	1	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	-	3	-	-	-	-
CO2	-	-	-	1	-	-	-
CO3	-	-	3	-	-	-	-
CO4	-	-	3	-	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	BCA		
Course Code	BCA-404		
Course Name	SOFTWARE ENGINEERING PRINCIPLES		
Lecture / Tutorial (perweek):	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	20	50%	3
PO2	CO1, CO2,CO3	30	75%	3
PO3	CO2	10	25%	1
PO4	CO1, CO2,CO4	30	75%	3
PO5	CO3	10	25%	1
PO6	CO4	10	25%	1
PO7	CO3	10	25%	1

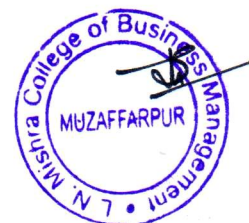
Course – PO/PSO mapping

BCA-404	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	1	3	1	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	-	3	-	-	-
CO2	3	3	1	3	-	-	-
CO3	-	3	-	-	1	-	1
CO4	-	-	-	3	-	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	BCA		
Course Code	BCA-405		
Course Name	LAB ON JAVA PROGRAMMING		
Lecture / Tutorial (perweek):	4/0	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	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

Course – PO/PSO mapping

BCA-405	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	1	2	1	1	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	-	-	-	-	-
CO2	3	-	1	2	-	-	-
CO3	-	3	-	-	1	-	1
CO4	-	-	-	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	BCA		
Course Code	BCA-406		
Course Name	LAB ON COMPUTER GRAPHICS AND LINUX		
Lecture / Tutorial (perweek):	0/4	Course Credits	4
Course Coordinator Name	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	20	50%	3
PO2	CO1, CO2	20	50%	3
PO3	CO3	10	25%	1
PO4	CO4	10	25%	1
PO5	-	-	-	-
PO6	-	-	-	-
PO7	-	-	-	-

Course – PO/PSO mapping

BCA-406	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	3	1	1	-	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	-	-	-	-	-
CO2	3	3	-	-	-	-	-
CO3	-	-	1	-	-	-	-
CO4	-	-	-	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	BCA		
Course Code	BCA-501		
Course Name	RDBMS		
Lecture / Tutorial (perweek):	4/0	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	10	20%	1
PO2	CO1,CO2	25	50%	3
PO3	CO1,CO2,CO3	40	80%	3
PO4	CO2,CO3	30	60%	3
PO5	CO3,CO4	25	50%	3
PO6	CO4	10	20%	1
PO7	CO3,CO4	25	50%	3

Course – PO/PSO mapping

BCA-501	PO						
	1	2	3	4	5	6	7
Mapping Strength	1	3	3	3	3	1	3

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	3	-	-	-	-
CO2	2	3	3	3	-	-	-
CO3	-	-	3	2	3	-	3
CO4	-	-	-	-	3	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	BCA		
Course Code	BCA-502		
Course Name	AI THROUGH PYTHON PROGRAMMING		
Lecture / Tutorial (perweek):	4/1	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	16	40%	2
PO2	CO1, CO3	20	50%	3
PO3	CO2	8	20%	1
PO4	CO2, CO4	20	50%	3
PO5	CO3	12	30%	2
PO6	CO4	12	30%	2
PO7	CO3	12	30%	2

Course – PO/PSO mapping

BCA-502	PO						
	1	2	3	4	5	6	7
Mapping Strength	2	3	1	3	2	2	2

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	-	-	-	-	-
CO2	2	-	1	3	-	-	-
CO3	-	3	-	-	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	BCA		
Course Code	BCA-503		
Course Name	WEB TECHNOLOGY		
Lecture / Tutorial (perweek):	3/1/0	Course Credits	4
Course Coordinator Name	Dr. Savyasachi		

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

PO/PSO	CO	No. of Sessions	% Of session	MappingStrength
PO1	CO1	8	20%	1
PO2	CO1, CO2	18	45%	2
PO3	CO2	10	25%	1
PO4	CO3, CO4	22	55%	3
PO5	CO3	10	25%	1
PO6	CO4	12	30%	2
PO7	-	-	-	-

Course – PO/PSO mapping

BCA-503	PO						
	1	2	3	4	5	6	7
Mapping Strength	1	2	1	3	1	2	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	2	-	-	-	-	-
CO2	-	2	1	-	-	-	-
CO3	-	-	-	3	1	-	-
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	BCA		
Course Code	BCA-504		
Course Name	CNS & CYBER LAW		
Lecture / Tutorial (perweek):	4/1	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	18	45%	2
PO2	CO1, CO3	18	45%	2
PO3	CO2	10	25%	1
PO4	CO2, CO4	22	55%	3
PO5	CO3	10	25%	1
PO6	CO4	12	30%	2
PO7	CO3	10	25%	1

Course – PO/PSO mapping

BCA-504	PO						
	1	2	3	4	5	6	7
Mapping Strength	2	2	1	3	1	2	1

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	-	-	-	-	-
CO2	2	-	1	3	-	-	-
CO3	-	2	-	-	1	-	1
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	BCA		
Course Code	BCA-505		
Course Name	LAB ON ORACLE		
Lecture / Tutorial (perweek):	4/1	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	20	40%	2
PO2	CO2	15	30%	2
PO3	CO4	20	40%	2
PO4	CO4	15	30%	2
PO5	CO3,CO4	25	50%	3
PO6	-	-	-	-
PO7	-	-	-	-

Course – PO/PSO mapping

BCA-505	PO						
	1	2	3	4	5	6	7
Mapping Strength	2	2	2	2	3	-	-

CO & PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	-	-	-	-	-	-
CO2	-	2	-	-	-	-	-
CO3	-	-	-	-	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	BCA		
Course Code	BCA-506		
Course Name	LAB ON PYTHON PROGRAMMING AND WEB TECHNOLOGY		
Lecture / Tutorial (perweek):	4/1	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,CO3	28	70%	3
PO2	-	-	-	-
PO3	-	-	-	-
PO4	-	-	-	-
PO5	CO1,CO3,CO4	32	75%	3
PO6	-	-	-	-
PO7	CO2,CO3,CO4	30	30%	3

Course – PO/PSO mapping

BCA-506	PO						
	1	2	3	4	5	6	7
Mapping Strength	3	-	-	-	3	-	3

CO & PO Mapping

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

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

