

Shri G.S. Institute of Technology and science,Indore											
Department of Applied Mathematics and Computational Science											
Msc III Semester July-Dec 2021			S		Subject Code-MA 94371						
Subject Nomenclature Mathematical and statistical modelling											
CO Attainment-Final Exam											

Enrollment No.											Total
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		
0801MA20MS01	11	1	11	1	10	1	10	1	10	1	52
0801MA20MS02	10	1	8	0	8	0	11	1	10	1	47
0801MA20MS03	10	1	11	1	12	1	8	1	8	1	49
0801MA20MS05	8	0	8	0	7	0	5	0	5	0	33
Average	9.75	0.75	9.5	0.5	9.25	0.5	8.5	0.75	8.25	0.75	

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94371	CO 1	3	1	2	1		2		3		3
	CO 2	3	1	2	1		2		3		3
	CO 3	3	1	2	1		2		3		3
	CO 4	3	1	2	1		2		3		3
	CO 5	3	1	2	1		2		3		3

End Sem Table											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94371	CO 1	2.1	0.75	1.5	0.75		1.5		2.25		2.25
	CO 2	1.5	0.5	1	0.5		1		1.5		1.5
	CO 3	1.5	0.5	1	0.5		1		1.5		1.5
	CO 4	2.1	0.75	1.5	0.75		1.5		2.25		2.25
	CO 5	2.1	0.75	1.5	0.75		1.5		2.25		2.25

CO Attainment MST 1

Enrollment No.										Total
	CO1(08)		CO2(07)		CO3		CO4		CO5	
0801MA20MS01	5	1	5	1						10
0801MA20MS02	4	1	4	1						8
0801MA20MS03	4	1	3	1						7
0801MA20MS05	0	0	0	0						0
Average	3.25	0.75	3	0.75						

MST 1

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94371	CO 1	2.1	0.75	1.5	0.75		1.5		2.25		2.25
	CO 2	2.1	0.75	1.5	0.75		1.5		2.25		2.25
	CO 3										
	CO 4										
	CO 5										

CO Attainment MST 2

Enrollment No.										Total	
	CO1		CO2		CO3(05)		CO4(05)		CO5(05)		
0801MA20MS01					3	1	2	1	4	1	9
0801MA20MS02					2	1	2	1	2	1	6
0801MA20MS03					3	1	3	1	4	1	10
0801MA20MS05					0	0	0	0	0	0	0
Average					2	0.75	1.75	0.75	2.5	0.75	

MST II

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	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94371	CO 1										
	CO 2										
	CO 3	2.1	0.75	1.5	0.75		1.5		2.25		2.25
	CO 4	2.1	0.75	1.5	0.75		1.5		2.25		2.25
	CO 5	2.1	0.75	1.5	0.75		1.5		2.25		2.25

Final Attainment											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94371	CO 1	2.1	0.75	1.5	0.75	0	1.5	0	2.25	0	2.25
	CO 2	1.68	0.575	1.15	0.575	0	1.15	0	1.725	0	1.725
	CO 3	1.68	0.575	1.15	0.575	0	1.15	0	1.725	0	1.725
	CO 4	2.1	0.75	1.5	0.75	0	1.5	0	2.25	0	2.25
	CO 5	2.1	0.75	1.5	0.75	0	1.5	0	2.25	0	2.25
Average		1.932	0.68	1.36	0.68	0	1.36	0	2.04	0	2.04

Target 2.14

Overall Attainment 1.44

Shri G.S. Institute of Technology and science,Indore											
Department of Applied Mathematics and Computational Science											
Msc III Semester July-Dec 2021		S		Subject Code-MA 94303							
Subject Nomenclature		Functional analysis									
CO Attainment-Final Exam											

Enrollment No.											Total
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		
0801MA20MS01	12	1	11	1	5	0	5	0	7	1	40
0801MA20MS02	8	1	7	1	9	1	9	1	6	1	39
0801MA20MS03	8	1	9	1	12	1	12	1	5	1	46

0801MA20MS05	5	0	4	0	5	0	5	0	4	0	23
Average	8.25	0.75	7.75	0.75	7.75	0.5	7.75	0.5	5.5	0.75	

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94303	CO 1	2	2	2	1		2		3		3
	CO 2	2	2	2	1		2		3		3
	CO 3	2	2	2	1		2		3		3
	CO 4	2	2	2	1		2		3		3
	CO 5	2	2	2	1		2		3		3

End Sem Table											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94303	CO 1	1.5	1.5	1.5	0.75		1.5		2.25		2.25
	CO 2	1.5	1.5	1.5	0.75		1.5		2.25		2.25
	CO 3	1	1	1	0.5		1		1.5		1.5
	CO 4	1	1	1	0.5		1		1.5		1.5
	CO 5	1.5	1.5	1.5	0.75		1.5		2.25		2.25

CO Attainment MST 1

Enrollment No.											Total
	CO1(08)		CO2(07)		CO3		CO4		CO5		
0801MA20MS01	3	1	4	1						7	
0801MA20MS02	4	1	3	1						7	
0801MA20MS03	5	1	5	1						10	
0801MA20MS05	0	0	0	0						0	
Average	3	0.75	3	0.75							

MST 1

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94303	CO 1	1.5	1.5	1.5	0.75		1.5		2.25		2.25
	CO 2	1.5	1.5	1.5	0.75		1.5		2.25		2.25
	CO 3										
	CO 4										
	CO 5										

CO Attainment MST 2

Enrollment No.										Total
	CO1	CO2	CO3(05)	CO4(05)	CO5(05)					
0801MA20MS01			4	1	2	1	2	1	8	
0801MA20MS02			1	0	1	0	3	1	5	
0801MA20MS03			4	1	4	1	4	1	12	
0801MA20MS05			0	0	0	0	0	0	0	
Average			2.25	0.5	1.75	0.5	2.25	0.75		

MST II

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94303	CO 1										
	CO 2										
	CO 3	1	1	1	0.5		1		1.5		1.5
	CO 4	1	1	1	0.5		1		1.5		1.5
	CO 5	1.5	1.5	1.5	0.75		1.5		2.1		2.1

Final Attainment

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94303	CO 1	1.5	1.5	1.5	0.75		1.5		2.25		2.25
	CO 2	1.5	1.5	1.5	0.75		1.5		2.25		2.25

	CO 3	1	1	1	0.5		1		1.5		1.5
	CO 4	1	1	1	0.5		1		1.5		1.5
	CO 5	1.5	1.5	1.5	0.75		1.5		2.205		2.205
Average		1.3	1.3	1.3	0.65		1.3		1.941		1.941

Target **2.14**

Overall Attainment **1.39**

Shri G.S. Institute of Technology and science, Indore
 Department of Applied Mathematics and Computational Science
 Msc III Semester July-Dec 2021 S **Subject Code-MA 94304**
 Subject Nomenclature Object oriented programming
 CO Attainment-Final Exam

Enrollment No.											
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		Total
0801MA20MS01	12	1	12	1	10	1	14	1	12	1	60
0801MA20MS02	9	0	10	1	11	1	10	0	13	1	53
0801MA20MS03	10	1	11	1	11	1	13	1	13	1	58
0801MA20MS05	9	0	9	0	6	0	7	0	4	0	35
Average	10	0.5	10.5	0.75	9.5	0.75	11	0.5	10.5	0.75	51.5

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94304	CO 1	3	2	1	2		2		3		3
	CO 2	3	2	1	2		2		3		3
	CO 3	3	2	1	2		2		3		3
	CO 4	3	2	1	2		2		3		3
	CO 5	3	2	1	2		2		3		3

0801MA20MS01					4	1	4	1	5	1	13
0801MA20MS02					4	1	5	1	5	1	14
0801MA20MS03					3	1	3	1	5	1	11
0801MA20MS05					0	0	0	0	0	0	0
Average					2.75	0.75	3	0.75	3.75	0.75	

MST II											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94304	CO 1										
	CO 2										
	CO 3	2.1	1.5	0.75	1.5		1.5		2.25		2.25
	CO 4	2.1	1.5	0.75	1.5		1.5		2.25		2.25
	CO 5	2.1	1.5	0.75	1.5		1.5		2.25		2.25

Final Attainment											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94304	CO 1	1.68	1.15	0.575	1.15		1.15	0	1.725		1.725
	CO 2	2.1	1.5	0.75	1.5		1.5	0	2.25		2.25
	CO 3	2.1	1.5	0.75	1.5		1.5	0	2.25		2.25
	CO 4	1.68	1.15	0.575	1.15		1.15	0	1.725		1.725
	CO 5	2.1	1.5	0.75	1.5		1.5	0	2.25		2.25
Average		1.932	1.36	0.68	1.36		1.36	0	2.04		2.04

Target 2.29

Overall Attainment 1.54

Shri G.S. Institute of Technology and science,Indore	
Department of Applied Mathematics and Computational Science	
Msc III Semester July-Dec 2021	S Subject Code-MA 94352
Subject Nomenclature	Statistical quality control

CO Attainment-Final Exam

Enrollment No.											
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		Total
0801MA20MS01	12	1	12	1	9	0	13	1	14	1	60
0801MA20MS02	11	1	10	1	14	1	11	1	11	1	57
0801MA20MS03	10	1	12	1	14	1	10	1	11	1	57
0801MA20MS05	5	0	4	0	5	0	6	0	6	0	26
Average	9.5	0.75	9.5	0.75	10.5	0.5	10	0.75	10.5	0.75	

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94304	CO 1	3	3	3	2		2		3		3
	CO 2	3	3	3	2		2		3		3
	CO 3	3	3	3	2		2		3		3
	CO 4	3	3	3	2		2		3		3
	CO 5	3	3	3	2		2		3		3

End Sem Table

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94304	CO 1	2.25	2.25	2.25	1.5		1.5		2.25		2.25
	CO 2	2.25	2.25	2.25	1.5		1.5		2.25		2.25
	CO 3	1.5	1.5	1.5	1		1		1.5		1.5
	CO 4	2.25	2.25	2.25	1.5		1.5		2.25		2.25
	CO 5	2.25	2.25	2.25	1.5		1.5		2.25		2.25

CO Attainment MST 1

Enrollment No.										

	CO1(8)		CO2(07)		CO3		CO4		CO5		Total
0801MA20MS01	8	1	7	1							15
0801MA20MS02	5	1	4	1							9
0801MA20MS03	5	1	5	1							10
0801MA20MS05	0	0	0	0							0
Average	4.5	0.75	4	0.75							

MST 1											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94304	CO 1	2.25	2.25	2.25	1.5		1.5		2.25		2.25
	CO 2	2.25	2.25	2.25	1.5		1.5		2.25		2.25
	CO 3										
	CO 4										
	CO 5										

CO Attainment MST 2

Enrollment No.										Total	
	CO1		CO2		CO3(05)		CO4(05)		CO5(05)		
0801MA20MS01					5	1	5	1	3	1	13
0801MA20MS02					4	1	5	1	5	1	14
0801MA20MS03					4	1	5	1	5	1	14
0801MA20MS05					0	0	0	0	0	0	0
Average					3.25	0.75	3.75	0.75	3.25	0.75	

MST II											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94304	CO 1										
	CO 2										
	CO 3	2.25	2.25	2.25	1.5		1.5		2.25		2.25
	CO 4	2.25	2.25	2.25	1.5		1.5		2.25		2.25

	CO 5	2.25	2.25	2.25	1.5		1.5		2.25		2.25

Final Attainment											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94304	CO 1	2.25	2.25	2.25	1.5	0	1.5	0	2.25	0	2.25
	CO 2	2.25	2.25	2.25	1.5	0	1.5	0	2.25	0	2.25
	CO 3	1.725	1.725	1.725	1.15	0	1.15	0	1.725	0	1.725
	CO 4	2.25	2.25	2.25	1.5	0	1.5	0	2.25	0	2.25
	CO 5	2.25	2.25	2.25	1.5	0	1.5	0	2.25	0	2.25
Average		2.145	2.145	2.145	1.43	0	1.43	0	2.145	0	2.145

Target 2.71

Overall Attainment 1.94

Shri G.S. Institute of Technology and science,Indore											
Department of Applied Mathematics and Computational Science											
Msc I Semester July-Dec 2021		Su		Subject Code-MA 94105							
Subject Nomenclature		Computer Aided Numerical Analysis									
CO Attainment-Final Exam											

Enrollment No.											Total
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		
0801MA21MS01	10	1	10	1	11	1	10	0	9	0	50
0801MA21MS02	10	1	12	1	14	1	14	1	14	1	64
0801MA21MS03	11	1	10	1	11	1	10	0	10	0	52
0801MA21MS04	10	1	11	1	12	1	11	1	13	1	57
0801MA21MS05	10	1	11	1	10	0	11	1	12	1	54
0801MA21MS06	10	1	10	1	12	1	12	1	12	1	56
	10.16667	1	10.66667	1	11.66667	0.833333	11.33333	0.6667	11.6667	0.66667	

	CO 5									

CO Attainment MST 2

Enrollment No.										Total
	CO1	CO2	CO3(05)	CO4(05)	CO5(05)					
0801MA21MS01			4	1	4	1	4	1	12	
0801MA21MS02			5	1	4	1	5	1	14	
0801MA21MS03			4	1	4	1	5	1	13	
0801MA21MS04			4	1	4	1	4	1	12	
0801MA21MS05			4	1	4	1	5	1	13	
0801MA21MS06			4	1	4	1	4	1	12	
Average			4.166667	1	4	1	4.5	1		

MST II

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94105	CO 1										
	CO 2										
	CO 3	3	3	3	2		2		3	1	3
	CO 4	3	3	3	2		2		3	1	3
	CO 5	3	3	3	2		2		3	1	3

Final Attainment

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94105	CO 1	3	3	3	2		2		3	1	3
	CO 2	3	3	3	2		2		3	1	3
	CO 3	2.65	2.65	2.65	1.766667		1.766667		2.65	0.883333	2.65
	CO 4	2.3	2.3	2.3	1.533333		1.533333		2.3	0.766667	2.3
	CO 5	2.3	2.3	2.3	1.533333		1.533333		2.3	0.766667	2.3
Average		2.65	2.65	2.65	1.766667		1.766667		2.65	0.883333	2.65

Target 2.5

Overall Attainment 2.21

Shri G.S. Institute of Technology and science,Indore											
Department of Applied Mathematics and Computational Science											
Msc I Semester July-Dec 2021			Su			Subject Code-MA 94106					
Subject Nomenclature Computer Architecture											
CO Attainment-Final Exam											

Enrollment No.											Total
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		
0801MA21MS01	10	1	10	1	11	1	8	0	8	0	47
0801MA21MS02	10	1	11	1	13	1	12	1	10	1	56
0801MA21MS03	10	1	11	1	11	1	12	1	10	1	54
0801MA21MS04	11	1	11	1	11	1	11	1	11	1	55
0801MA21MS05	11	1	10	1	10	1	11	1	11	1	53
0801MA21MS06	10	1	10	1	10	1	10	1	10	1	50
Average	10.33333	1	10.5	1	11	1	10.66667	0.83333	10	0.83333	

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94106	CO 1	3	2	3	1		2		3	1	3
	CO 2	3	2	3	1		2		3	1	3
	CO 3	3	2	3	1		2		3	1	3
	CO 4	3	2	3	1		2		3	1	3
	CO 5	3	2	3	1		2		3	1	3

End Sem Table											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94106	CO 1	3	2	3	1		2		3	1	3
	CO 2	3	2	3	1		2		3	1	3

	CO 3	3	2	3	1		2		3	1	3
	CO 4	2.5	1.666667	2.5	0.833333		1.666667		2.5	0.833333	2.5
	CO 5	2.5	1.666667	2.5	0.833333		1.666667		2.5	0.833333	2.5

CO Attainment MST 1

Enrollment No.										
	CO1(8)		CO2(07)		CO3		CO4		CO5	Total
0801MA21MS01	2	0	2	0						4
0801MA21MS02	5	1	5	1						10
0801MA21MS03	3	0	4	1						7
0801MA21MS04	5	1	4	1						9
0801MA21MS05	4	1	2	0						6
0801MA21MS06	6	1	6	1						12
Average	4.166667	0.666667	3.833333	0.666667						

MST 1

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94106	CO 1	2	1.333333	2	0.666667		1.333333		2	0.666667	2
	CO 2	2	1.333333	2	0.666667		1.333333		2	0.666667	2
	CO 3										
	CO 4										
	CO 5										

CO Attainment MST 2

Enrollment No.											
	CO1		CO2		CO3(05)		CO4(05)		CO5(05)	Total	
0801MA21MS01					4	1	4	1	4	1	12
0801MA21MS02					4	1	4	1	4	1	12
0801MA21MS03					4	1	4	1	3	1	11
0801MA21MS04					3	1	4	1	4	1	11

0801MA21MS05					3	1	3	1	3	1	9
0801MA21MS06					4	1	3	1	3	1	10
Average	3.666667 1 3.666667 1 3.5 1										
MST II											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94106	CO 1										
	CO 2										
	CO 3	3	2	3	1		2		3	1	3
	CO 4	3	2	3	1		2		3	1	3
	CO 5	3	2	3	1		2		3	1	3

Final Attainment											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94106	CO 1	2.7	1.8	2.7	0.9		1.8		2.7	0.9	2.7
	CO 2	2.7	1.8	2.7	0.9		1.8		2.7	0.9	2.7
	CO 3	3	2	3	1		2		3	1	3
	CO 4	2.65	1.766667	2.65	0.883333		1.766667		2.65	0.883333	2.65
	CO 5	2.65	1.766667	2.65	0.883333		1.766667		2.65	0.883333	2.65
Average		2.74	1.826667	2.74	0.913333		1.826667		2.74	0.913333	2.74

Target 2.25

Overall Attainment 2.06

Shri G.S. Institute of Technology and science, Indore
 Department of Applied Mathematics and Computational Science
 Msc I Semester July-Dec 2021 Su **Subject Code-MA 94108**
 Subject Nomenclature **Advance Discrete Mathematics**
 CO Attainment-Final Exam

Enrollment No.

	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		Total
0801MA21MS01	9	1	9	0	12	1	10	1	8	0	48
0801MA21MS02	11	1	12	1	11	1	14	1	12	1	60
0801MA21MS03	10	1	10	1	9	1	9	0	7	0	45
0801MA21MS04	11	1	11	1	9	1	11	1	12	1	54
0801MA21MS05	8	0	10	1	8	0	8	0	7	0	41
0801MA21MS06	10	1	10	1	9	1	11	1	11	1	51
Average	9.833333	0.8333333	10.33333	0.8333333	9.666667	0.8333333	10.5	0.6667	9.5	0.5	49.83333

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94108	CO 1	3	3	3	2		3		3		3
	CO 2	3	3	3	2		3		3		3
	CO 3	3	3	3	2		1		3		3
	CO 4	3	3	3	1		1		3		3
	CO 5	3	3	3	1		1		3		3

End Sem Table											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94108	CO 1	2.5	2.5	2.5	1.666667		2.5		2.5		2.5
	CO 2	2.5	2.5	2.5	1.666667		2.5		2.5		2.5
	CO 3	2.5	2.5	2.5	1.666667		0.8333333		2.5		2.5
	CO 4	2	2	2	0.666667		0.666667		2		2
	CO 5	1.5	1.5	1.5	0.5		0.5		1.5		1.5

CO Attainment MST 1

Enrollment No.											Total
	CO1(8)		CO2(07)		CO3		CO4		CO5		
0801MA21MS01	3	1	4	1							7
0801MA21MS02	6	1	6	1							12
0801MA21MS03	1	0	2	0							3
0801MA21MS04	5	1	5	1							10

0801MA21MS05	3	1	3	1							6
0801MA21MS06	3	1	3	1							6

3.5 0.8333333 3.833333 0.833333

MST 1											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94108	CO 1	2.5	2.5	2.5	1.666667		2.5		2.5		2.5
	CO 2	2.5	2.5	2.5	1.666667		2.5		2.5		2.5
	CO 3										
	CO 4										
	CO 5										

CO Attainment MST 2

Enrollment No.										
	CO1	CO2	CO3(05)	CO4(05)	CO5(05)	Total				
0801MA21MS01			5	1	5	1	4	1	14	
0801MA21MS02			4	1	4	1	3	1	11	
0801MA21MS03			4	1	5	1	5	1	14	
0801MA21MS04			3	0	3	0	4	1	10	
0801MA21MS05			5	1	4	1	4	1	13	
0801MA21MS06			3	0	3	0	2	0	8	
Average			4	0.666667	4	0.6667	3.66667	0.83333		

MST II

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94108	CO 1										
	CO 2										
	CO 3	2	2	2	1.333333		0.666667		2		2
	CO 4	2	2	2	0.666667		0.666667		2		2
	CO 5	2.5	2.5	2.5	0.833333		0.833333		2.5		2.5

Final Attainment											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94108	CO 1	2.5	2.5	2.5	1.666667		2.5		2.5		2.5
	CO 2	2.5	2.5	2.5	1.666667		2.5		2.5		2.5
	CO 3	2.35	2.35	2.35	1.566667		0.783333		2.35		2.35
	CO 4	2	2	2	0.666667		0.666667		2		2
	CO 5	1.8	1.8	1.8	0.6		0.6		1.8		1.8
Average		2.23	2.23	2.23	1.233333		1.41		2.23		2.23

Target 2.63

Overall Attainment 1.97

Shri G.S. Institute of Technology and science,Indore											
Department of Applied Mathematics and Computational Science											
Msc I Semester July-Dec 2021 Su Subject Code-MA 94109											
Subject Nomenclature Ordinary and Partial differential equation											
CO Attainment-Final Exam											

Enrollment No.											Total
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		
0801MA21MS01	10	1	10	1	8	1	8	0	8	1	44
0801MA21MS02	10	1	10	1	11	1	11	1	11	1	53
0801MA21MS03	8	0	7	0	8	1	7	0	5	0	35
0801MA21MS04	10	1	9	1	8	1	10	1	10	1	47
0801MA21MS05	9	1	8	0	8	1	7	0	7	0	39
0801MA21MS06	10	1	11	1	10	1	11	1	8	1	50
Average	9.5	0.8333333	9.166667	0.666667	8.833333	1	9	0.5	8.16667	0.66667	44.66667

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94109	CO 1	3	2	3	1		2		3	1	3
	CO 2	3	2	3	1		2		3	1	3

CO Attainment MST 2

Enrollment No.											
	CO1		CO2		CO3(05)		CO4(05)		CO5(05)	Total	
0801MA21MS01					5	1	5	1	4	1	14
0801MA21MS02					3	1	4	1	2	0	9
0801MA21MS03					4	1	4	1	4	1	12
0801MA21MS04					3	1	3	0	3	1	9
0801MA21MS05					4	1	5	1	4	1	13
0801MA21MS06					3	1	4	1	4	1	11
Average	3.666667 1 4.166667 0.8333 3.5 0.83333										
MST II											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94109	CO 1										
	CO 2										
	CO 3	3	2	3	1		2		3	1	3
	CO 4	2.5	1.666667	2.5	0.833333		1.666667		2.5	0.833333	2.5
	CO 5	2.5	1.666667	2.5	0.833333		1.666667		2.5	0.833333	2.5

Final Attainment											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA 94109	CO 1	2.2	1.466667	2.2	0.733333	0	1.466667	0	2.2	0.733333	2.2
	CO 2	2.5	1.666667	2.5	0.833333	0	1.666667	0	2.5	0.833333	2.5
	CO 3	3	2	3	1	0	2	0	3	1	3
	CO 4	1.8	1.2	1.8	0.6	0	1.2	0	1.8	0.6	1.8
	CO 5	2.15	1.433333	2.15	0.716667	0	1.433333	0	2.15	0.716667	2.15
Average		2.33	1.553333	2.33	0.776667	0	1.553333	0	2.33	0.776667	2.33

Target 2.25

Overall Attainment 1.76

Shri G.S. Institute of Technology and science,Indore											
Department of Applied Mathematics and Computational Science											
Msc II Semester Jan-june 2022 Subject Code: MA -94205											
Subject Nomenclature-Mathematical theory of Computation											
CO Attainment-Final Exam											

Enrollment No.											Total
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		
0801MA21MS01	12	1	9	0	11	1	9	1	9	1	50
0801MA21MS02	11	1	11	1	13	1	9	1	9	1	53
0801MA21MS03	8	0	12	1	13	1	11	1	11	1	55
0801MA21MS04	11	1	12	1	9	0	11	1	10	1	53
0801MA21MS05	12	1	13	1	13	1	3	0	9	1	50
0801MA21MS06	14	1	9	0	11	1	10	1	8	0	52
Average	11.3333	0.83	11	0.67	11.67	0.83333	8.83	0.83	9.3333	0.83	

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94205	CO 1	2	2	2					2		3
	CO 2	2	2	2					2		3
	CO 3	2	2	2					2		3
	CO 4	2	2	2					2		3
	CO 5	2	2	2					2		3

End Sem Table											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94205	CO 1	1.66	1.66	1.66					1.66		2.5
	CO 2	1.34	1.34	1.34					1.34		2
	CO 3	1.66	1.66	1.66					1.66		2.5
	CO 4	1.66	1.66	1.66					1.66		2.5
	CO 5	1.66	1.66	1.66					1.66		2.5

CO Attainment MST 1

Enrollment No.										Total
	CO1(10)		CO2(10)		CO3		CO4		CO5	
0801MA21MS01	8	0	8	1						16
0801MA21MS02	10	1	9	1						19
0801MA21MS03	9	1	9	1						18
0801MA21MS04	10	1	8	1						18
0801MA21MS05	8	0	6	0						14
0801MA21MS06	9	1	9	1						18
Average	9	0.67	8.17	0.83						

MST 1

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94205	CO 1	1.34	1.34	1.34					1.34		2
	CO 2	1.66	1.66	1.66					1.66		2.5
	CO 3										
	CO 4										
	CO 5										

CO Attainment MST 2

Enrollment No.										Total	
	CO1		CO2		CO3(7)		CO4(7)		CO5(6)		
0801MA21MS01					6	1	6	1	6	1	18
0801MA21MS02					7	1	7	1	4	1	18
0801MA21MS03					5	1	6	1	6	1	17

0801MA21MS04					5	1	5	1	5	1	15
0801MA21MS05					6	1	5	1	4	1	15
0801MA21MS06					5	1	4	0	4	1	13
Average					5.66	1	5.5	0.83	4.83	1	

MST II											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94205	CO 1										
	CO 2										
	CO 3	2	2	2					2		3
	CO 4	1.66	1.66	1.66					1.66		2.5
	CO 5	2	2	2					2		3

Final Attainment											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94205	CO 1	1.564	1.564	1.564					1.564		2.35
	CO 2	1.436	1.436	1.436					1.436		2.15
	CO 3	1.762	1.762	1.762					1.762		2.65
	CO 4	1.66	1.66	1.66					1.66		2.5
	CO 5	1.762	1.762	1.762					1.762		2.65
Average		1.6368	1.6368	1.6368					1.6368		2.46

Target 2.2

Overall Attainment 1.8

Shri G.S. Institute of Technology and science, Indore
 Department of Applied Mathematics and Computational Science
 Msc II Semester Jan-june 20 Subject Code -MA 94206
 Subject Nomenclature: Data Processing and Computation
 CO Attainment-Final Exam

Enrollment No.											
	CO1(14)	CO2(14)	CO3(14)	CO4(14)	CO5(14)						Total
0801MA21MS01	13	1	10.5	0	11.5	1	11	1	12	1	58

0801MA21MS02	12	1	12	1	8	1	12	1	8	1	52
0801MA21MS03	13	1	11	1	6	0	11	1	7	0	48
0801MA21MS04	13	1	12.5	1	13.5	1	14	1	13	1	66
0801MA21MS05	8	0	7	0	5	0	6	0	2	0	28
0801MA21MS06	12	1	13	1	7	0	7	0	6	0	45
Average	11.83	0.83	11	0.67	8.5	0.5	10.17	0.67	8	0.5	

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94206	CO 1	3	2	3	2		2		3	1	3
	CO 2	3	2	3	2		2		3	1	3
	CO 3	3	2	3	2		2		3	1	3
	CO 4	3	2	3	2		2		3	1	3
	CO 5	3	2	3	2		2		3	1	3

End Sem Table											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94206	CO 1	2.5	1.66	2.5	1.66		1.66		2.5	0.83	2.5
	CO 2	2	1.34	2	1.34		1.34		2	0.67	2
	CO 3	1.5	1	1.5	1		1		1.5	0.5	1.5
	CO 4	2.5	1.66	2.5	1.66		1.66		2.5	0.83	2.5
	CO 5	1.5	1	1.5	1		1		1.5	0.5	1.5

CO Attainment MST 1

Enrollment No.											Total
	CO1(10)		CO2(10)		CO3		CO4		CO5		
0801MA21MS01	8	1	9	1							17
0801MA21MS02	8	1	9	1							17

0801MA21MS03	10	1	9	1							19
0801MA21MS04	9	1	8	1							17
0801MA21MS05	7	0	8	1							15
0801MA21MS06	8	1	7	0							15
Average	8.33	0.83	8.33	0.83							

MST 1											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94206	CO 1	2.5	1.66	2.5	1.66		1.66		2.5	0.83	2.5
	CO 2	2.5	1.66	2.5	1.66		1.66		2.5	0.83	2.5
	CO 3										
	CO 4										
	CO 5										

CO Attainment MST 2

Enrollment No.										Total
	CO1	CO2	CO3(7)	CO4(7)	CO5(6)					
0801MA21MS01			6	1	6	1	7	1	19	
0801MA21MS02			7	1	5	1	7	1	19	
0801MA21MS03			5	1	5	1	5	1	15	
0801MA21MS04			5	1	5	1	5	1	15	
0801MA21MS05			5	1	4	1	6	1	15	
0801MA21MS06			6	1	4	1	4	1	14	
Average			5.67	1	4.83	1	5.67	1		

MST II											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94206	CO 1										
	CO 2										
	CO 3	3	2	3	2		2		3	1	3

	CO 4	3	2	3	2		2		3	1	3
	CO 5	3	2	3	2		2		3	1	3

Final Attainment											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94206	CO 1	2.5	1.66	2.5	1.66		1.66		2.5	0.83	2.5
	CO 2	2.15	1.436	2.15	1.436		1.436		2.15	0.718	2.15
	CO 3	1.95	1.3	1.95	1.3		1.3		1.95	0.65	1.95
	CO 4	2.65	1.762	2.65	1.762		1.762		2.65	0.881	2.65
	CO 5	1.95	1.3	1.95	1.3		1.3		1.95	0.65	1.95
Average		2.24	1.4916	2.24	1.4916		1.4916		2.24	0.7458	2.24

Target 2.38

Overall Attainment 1.77

Shri G.S. Institute of Technology and science, Indore
 Department of Applied Mathematics and Computational Science
Msc II Semester Jan-june 2022 Subject Code: Code-MA 94207
Subject Nomenclature: Operation Research
 CO Attainment-Final Exam

Enrollment No.											Total
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		
0801MA21MS01	8	0	8	0	8	0	6	0	5	0	35
0801MA21MS02	12	1	12	1	11	1	12	1	11	1	58
0801MA21MS03	13	1	10	1	9	1	8	1	8	1	48
0801MA21MS04	7	0	12	1	9	1	9	1	9	1	46
0801MA21MS05	10	1	11	1	10	1	8	1	5	0	44
0801MA21MS06	9	1	9	0	7	0	4	0	11	1	40
Average	9.83	0.67	10.33	0.67	9	0.67	7.83	0.67	8.17	0.67	

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94207	CO 1	3	2	3	2		2		3	2	3
	CO 2	3	2	3	2		2		3	2	3
	CO 3	3	2	3	2		2		3	2	3
	CO 4	3	2	3	2		2		3	2	3
	CO 5	3	2	3	2		2		3	2	3

End Sem Table											
	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94207	CO 1	2	1.34	2	1.34		1.34		2	1.34	2
	CO 2	2	1.34	2	1.34		1.34		2	1.34	2
	CO 3	2	1.34	2	1.34		1.34		2	1.34	2
	CO 4	2	1.34	2	1.34		1.34		2	1.34	2
	CO 5	2	1.34	2	1.34		1.34		2	1.34	2

CO Attainment MST 1

Enrollment No.											Total
	CO1(10)		CO2(10)		CO3		CO4		CO5		
0801MA21MS01	7	1	7	1							14
0801MA21MS02	7	1	8	1							15
0801MA21MS03	9	1	8	1							17
0801MA21MS04	6	0	6	1							12
0801MA21MS05	9	1	7	1							16
0801MA21MS06	5	0	4	0							9
Average	7.17	0.67	6.67	0.83							

MA-94207	CO 1	2	1.34	2	1.34		1.34		2	1.34	2
	CO 2	2.15	1.436	2.15	1.436		1.436		2.15	1.436	2.15
	CO 3	2.15	1.436	2.15	1.436		1.436		2.15	1.436	2.15
	CO 4	2.3	1.538	2.3	1.538		1.538		2.3	1.538	2.3
	CO 5	2.15	1.436	2.15	1.436		1.436		2.15	1.436	2.15
Average		2.15	1.4372	2.15	1.4372		1.4372		2.15	1.4372	2.15

Target 2.5

Overall Attainment 1.79

Shri G.S. Institute of Technology and science,Indore											
Department of Applied Mathematics and Computational Science											
Msc II Semester Jan-june 2022		SI		Subject Code-MA 94208							
Subject Nomenclature		Real and Complex Analysis									
CO Attainment-Final Exam											

Enrollment No.											Total
	CO1(14)		CO2(14)		CO3(14)		CO4(14)		CO5(14)		
0801MA21MS01	5.5	1	4.5	0	6	0	5	1	3.5	0	24.5
0801MA21MS02	6	1	10.5	1	10	1	10	1	8	1	44.5
0801MA21MS03	13	1	4.5	0	8.5	1	10.5	1	12	1	48.5
0801MA21MS04	2	0	3.5	0	9.5	1	3	0	1.5	0	19.5
0801MA21MS05	3	0	7	1	9	1	1	0	4	0	24
0801MA21MS06	2.5	0	2.5	0	7.5	0	2.5	0	6	1	21
Average	5.33	0.5	5.41	0.33	8.42	0.67	5.33	0.5	5.83	0.5	

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94208	CO 1	2	2	3	1		2		3		3
	CO 2	2	2	3	1		2		3		3
	CO 3	2	2	3	1		2		3		3

CO Attainment MST 2

Enrollment No.										Total	
	CO1		CO2(7)		CO3		CO4(7)		CO5(6)		
0801MA21MS01			1	0			1	0	1	0	3
0801MA21MS02			3	1			3	1	4	1	10
0801MA21MS03			6	1			5	1	5	1	16
0801MA21MS04			3	1			3	1	4	1	10
0801MA21MS05			4	1			3	1	3	1	10
0801MA21MS06			2	0			2	1	2	1	6
Average			3.17	0.67			2.83	0.83	3.17	0.83	

MST II

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94208	CO 1										
	CO 2	1.34	1.34	2	0.67		1.34		2		2
	CO 3										
	CO 4	1.66	1.66	2.5	0.83		1.66		2.5		2.5
	CO 5	1.66	1.66	2.5	0.83		1.66		2.5		2.5

Final Attainment

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MA-94208	CO 1	1.198	1.198	1.8	0.599		1.198		1.8		1.8
	CO 2	0.864	0.864	1.293	0.432		0.864		1.293		1.293
	CO 3	1.436	1.436	2.15	0.718		1.436		2.15		2.15
	CO 4	1.198	1.198	1.8	0.599		1.198		1.8		1.8
	CO 5	1.198	1.198	1.8	0.599		1.198		1.8		1.8
Average		1.1788	1.1788	1.7686	0.5894		1.1788		1.7686		1.7686

Target 2.29

Overall Attainment 1.35