



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Mathematics

Area of Specialization: Mathematics (General)

Name of the Faculty Member: Dr. S. Maruthamanikandan

Title of the Value Added Course: Mathematica Programming

Course Duration: [30 hours]

Course Code: MATV003

Introduction to the Course:

Mathematica is a powerful tool for solving a wide range of engineering applications with its expanded capabilities in differential equations, controls, signal processing, optimization, and statistics. The visionary concept of Mathematica was to create once and for all a single system that could handle all the various aspects of technical computing in a coherent and unified way. It has played a crucial role in many important discoveries, and has been the basis for thousands of technical papers. It is also heavily used in education. Mathematica is fundamentally different from computer languages usually employed by engineers. The level of teaching assumes that the student has some fluency in engineering mathematics and can employ the engineering approach to problem solving. The coverage includes symbolic manipulations, numerical calculations and its diverse interactive graphics, optimization, eigenvalue determination and statistics.

Course Outcomes:

On successful completion of the course the students shall be able to

- 01: create Mathematica programs that obtain symbolic solutions to a wide range of engineering topics
- 02: obtain numerical solutions in a wide range of engineering specialties
- 03: display the numerical results with annotated graphics

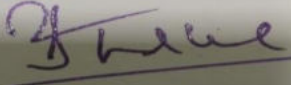
Course Content:

Mathematica environment and basic syntax, List creation and manipulation: vectors and matrices, functions, conditionals and repetitive operations, symbolic operations, numerical evaluations of equations, ordinary and partial differential equations, eigenvalue determination, optimization, statistics and graphics.

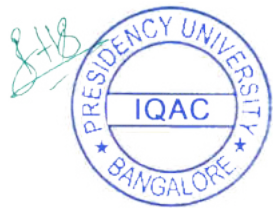
S. Mat  

Signature of the Faculty Member



Approval by the HOD

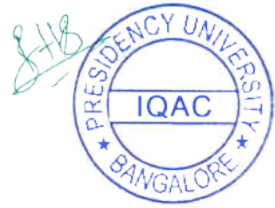


Presidency University, Bengaluru
 Department of Mathematics
 School of Engineering

NOTE:1 If 1 or more classes are engaged on same day. Then change timings by repeating date
2. Enter date and timings according to the VAC class engaged

VAC DETAILS
 Total number of hours:30
 Value added Course(VAC) Name and Code: Mathematica Programming and MATV003
 Name of the Instructor: Dr. Maruthanikandan S

S.No	STUDENT ID NO	STUDENT NAME	12.9.20	12.9.20	13.9.20	13.9.20	20.9.20	20.9.20	26.9.20	26.9.20	27.9.20	27.9.20	03.10.20	03.10.20	04.10.20	04.10.20	10.10.20	10.10.20	11.10.20	11.10.20	17.10.20	17.10.20	18.10.20	18.10.20	24.10.20	24.10.20	25.10.20	25.10.20	31.10.20	31.10.20	07.11.20	07.11.20	Total classes	Total classes	Percentage	
			11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	conducted	attended	attended	
1	20181CSE0026	ADNAN PASHA N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
2	20181CSE0218	GARIKAPATI SAI LAKSHMAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	30	100
3	20201CE0094	Y NISHA REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90
4	20201CE0113	KALISETTY NAGA VENKATA VIJAY KRISHNA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	30	26	87
5	20201CE0146	YEDDULA PREETHI REDDY	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	30	25	83
6	20201SE0014	ADNAAN AHMED SIDDIQUI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	30	28	93
7	20201CA0025	LINGUTLA CHAITANYA LAKSHMI	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	30	28	93
8	20201CA0183	K CHATHANYA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
9	20201CC0016	MADDI SHANNI MUKHA MAHESH BABU	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
10	20201CC0052	PAVULURI HARIBABA CHAKRAVARTHY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	30	28	93
11	20181CSE0026	ADNAN PASHA N	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	26	87
12	20201CEI0039	KATIPALLY YASHWANTH REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	30	28	93
13	20201CEI0068	SHAIK WASEEM AKRAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	30	28	93
14	20201CEI0115	SAKE NITISH KUMAR	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90



Presidency University, Bengaluru
Value Added Course Marksheet
School of Engineering

Course Code :	MATV003		Academic Year :			2020-2021	
Course Name :	Mathematica Programming		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Dr. Maruthamanikandan S	
			Instructor-in-Charge Employee ID			PUNIV00035	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20181CSE0026	ADNAN PASHA N	SOE	93	90	Y	
2	20181CSE0218	GARIKAPATI SAI LAKSHMAN	SOE	100	95	Y	
3	20201ECE0094	Y NISHA REDDY	SOE	90	79	Y	
4	20201ECE0113	KALISSETTY NAGA VENKATA VIJAY KRISHN	SOE	87	79	Y	
5	20201ECE0146	YEDDULA PREETHI REDDY	SOE	83	88	Y	
6	20201ISE0014	ADNAAN AHMED SIDDIQUI	SOE	93	84	Y	
7	20201CAI0025	LINGUTLA. CHAITANYA LAKSHMI	SOE	93	82	Y	
8	20201CAI0183	K CHAITHANYA	SOE	93	86	Y	
9	20201CCS0016	MADDI SHANMUKHA MAHESH BABU	SOE	93	84	Y	
10	20201CCS0052	PAVULURI HARIHARA CHAKRAVARTHY	SOE	93	91	Y	
11	20181CSE0026	ADNAN PASHA N	SOE	95	90	Y	
12	20201CEI0039	KATIPALLY YASHWANATH REDDY	SOE	93	79	Y	
13	20201CEI0068	SHAIK WASEEM AKRAM	SOE	93	96	Y	
14	20201CEI0115	SAKE NITISH KUMAR	SOE	90	91	Y	

Name of Course Instructor : Dr. Maruthamanikandan S

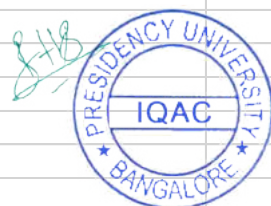
Employee ID of Course Instructor : PUNIV00035

S. Mat

Signature of Instructor-in-Charge

S. Mat

Signature of HOD





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Name of the School: School of Engineering

Name of the Department: Mathematics

Area of Specialization: Mathematics (General)

Name of the Faculty Member: Dr. Bhavya K

Title of the Value Added Course: MS EXCEL FOR MATHEMATICS

Course Duration: [30 hours] [From September 2020 to December 2020]

Course Code: MATV005

Introduction to the Course:

Microsoft Excel is a powerful utility tool from MS Office Suite, which act as data organizing platform made to minimize the clutter and maximize the value of data. As an outcome of globalization and e-commerce, business organizations are generating huge volumes of data than ever before. Companies focus to hire individuals skilled in MS Excel (Advanced). Excel training not only opens multiple doors of lucrative jobs but also allows the students of various fields to affordably learn new skills from experts.

Course Outcomes:

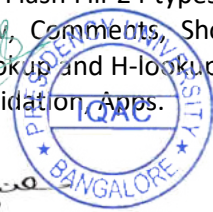
On successful completion of the course the students shall be able to

- 01: Examine spreadsheet concepts and explore the Microsoft Office Excel.
- 02: Store and Organize the Data for Tabulation.
- 03: Compare and Analyze the Tabulated data.
- 04: Create the visualization of the Data Outcomes.
- 05: Automate the Reports and Dashboards.

Course Content:

Working with Excel Files-Excel interface, worksheet, Quick Access Toolbar, Ribbon Customization, Backstage View. Arithmetic operators, Comparison operators, Text Concatenation, Mathematical functions. Statistical Operations, COUNT, COUNTA, COUNTBLANK, Average IF, Median & Conditional Formatting –Rule-1. Conditional Formatting –Rule-2, 3, 4, 5, Format Painting, Multiple Value, Transformation. Fill Series, Linear, Growth, Date, Auto fill, Trend, Fill Justify, Flash Fill-24 types, Fill Across, Filter, Custom Filter, advance filter. Advance Filter, Data Swapping, Watch Window, Comments, Show Ink, Text Functions & Date and Time Functions. Relative and Absolute referencing, V-lookup and H-lookup, Charts. Data Outline, Sub Total, Data Validation, Dynamic List, Pivot Table & Chart, Data Consolidation, Apps.

Signature of the Faculty Member



REGISTRAR



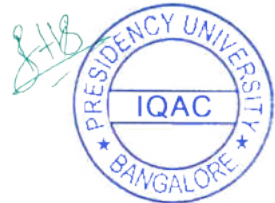
Approval by the HOD

Presidency University, Bengaluru
Department of Mathematics
School of Engineering

WAC DETAILS
 Total number of hours:30
 Value added Course(WAC) Name and Code: MS Excel for Mathematics and MATW05
 Name of the Instructor: Dr. Bhavya K

NOTE:1. If 1 or more classes are engaged on same day. Then change timings by repeating date
 2. Enter date and timings according to the WAC class engaged

S.No	STUDENT ID NO	STUDENT NAME	07.02.21	07.02.21	13.02.21	13.02.21	14.02.21	14.02.21	20.02.21	20.02.21	21.02.21	21.02.21	27.02.21	27.02.21	28.02.21	28.02.21	06.03.21	06.03.21	13.03.21	13.03.21	14.03.21	14.03.21	20.03.21	20.03.21	21.03.21	21.03.21	27.03.21	27.03.21	28.03.21	28.03.21	03.04.21	03.04.21	Total classes conducted	Total classes attended	Percentage attended	
			10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12				
1	20181CSE0218	GARIKAPATI SAI LAKSHMAN	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90
2	20181COM0022	BESTHA SAI HANEESHA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90
3	20171ECE0095	GURUPRASAD B J	A	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90
4	20181CSE0337	KOMAL N	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	A	P	P	30	25	83
5	20191PET0049	SANAMPUDI VENKATA RAMI REDDY	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
6	20181COM0046	DINDUKURTHI SRI SAI NAGAPRASAD	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	30	27	90
7	20181COM0015	ANOO P V V	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	29	97
8	20181COM0053	GONDI SANKARA SAI SKANDA	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	30	27	90
9	20201COM0052	MAZAHIR K NAJMI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90
10	20201CS0031	A HEMANTH	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
11	20201CS0090	PERMI PREDIKTHA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	30	27	90
12	20201CS00108	BENGULLURI PAVAN KALYAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	30	100
13	20201CSE0072	ABHISHEKOWDA T J	P	P	A	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90
14	20201CSE0120	MANGAMURI RAMU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	A	P	P	30	27	90
15	20201CSE0181	K MONIKA	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
16	20201CSE0185	KEERTHANA MANOJ	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	A	P	P	30	25	83	
17	20201CSE0301	KISHORE R B	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	29	97
18	20201CSE0389	RAKESH G	P	P	P	P	P	P	P	P	A	P	P	A	P	A	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	30	25	83
19	20201CSE0541	KISHAN GOWDA	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	30	27	90
20	20201CSE0559	SRUSHTI MALIPATIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	30	28	93
21	20201CSE0593	VARSHINI R	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
22	20201CSE0645	B YOGEETHA	P	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	26	87
23	20201CSE0655	HEMANTH KUMAR SHETTY M	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	30	27	90
24	20201CSE0698	MOHAN THILAK	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	30	28	93



Presidency University, Bengaluru
Value Added Course Marksheet
School of Engineering

Course Code :	MATV005		Academic Year :			2020-2021	
Course Name :	MS Excel for Mathematics		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Dr. Bhavya K	
			Instructor-in-Charge Employee ID			PUNIV00176	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20181CSE0218	GARIKAPATI SAI LAKSHMAN	SOE	90	95	Y	
2	20181COM0022	BESTHA SAI HANEE SHA	SOE	90	90	Y	
3	20171ECE0095	GURUPRASAD B J	SOE	90	95	Y	
4	20181CSE0337	KOMAL N	SOE	83	90	Y	
5	20191PET0049	SANAMPUDI VENKATA RAMI REDDY	SOE	93	90	Y	
6	20181COM0046	DINDUKURTHI SRI SAI NAGAPRASAD	SOE	90	95	Y	
7	20181COM0015	ANOOP V V	SOE	97	95	Y	
8	20181COM0053	GONDI SANKARA SAI SKANDA	SOE	90	100	Y	
9	20201COM0052	MAZAHIR K NAJMI	SOE	90	85	Y	
10	20201CSD0031	A HEMANTH	SOE	93	82	Y	
11	20201CSD0090	PERMI PREDIKTHA	SOE	90	80	Y	
12	20201CSD0108	BENGULURI PAVAN KALYAN	SOE	100	79	Y	
13	20201CSE0072	ABHISHEKGOWDA T J	SOE	90	100	Y	
14	20201CSE0120	MANGAMURI RAMU	SOE	90	100	Y	
15	20201CSE0181	K MONIKA	SOE	93	79	Y	
16	20201CSE0185	KEERTHANA MANOJ	SOE	83	80	Y	
17	20201CSE0301	KISHORE R B	SOE	97	80	Y	
18	20201CSE0389	RAKESH G	SOE	83	79	Y	
19	20201CSE0541	KISHAN GOWDA	SOE	90	94	Y	
20	20201CSE0559	SRUSHTI MALIPATIL	SOE	93	94	Y	
21	20201CSE0593	VARSHINI R	SOE	93	95	Y	
22	20201CSE0645	B YOGEEETHA	SOE	87	86	Y	
23	20201CSE0655	HEMANTH KUMAR SHETTY M	SOE	90	79	Y	
24	20201CSE0698	M CHAN THILAK	SOE	93	81	Y	

Name of Course Instructor : Dr. Bhavya K
Employee ID of Course Instructor : PUNIV00176



Signature of Instructor-in-Charge


 REGISTRAR




Signature of HOD



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Mathematics

Area of Specialization: Mathematics (General)

Name of the Faculty Member: Dr V Ramalatha

Title of the Value Added Course: Microsoft Office and Its Application

Course Duration: [30 hours]

Course Code: MATV009

Introduction to the Course:

- The most common Office applications are Word, Excel, PowerPoint, and Outlook. Other apps include Publisher, Access and OneNote. Microsoft Word is a word processor that lets users make and edit text documents, such as reports, letters, and résumés and run spell-checks on writing. Microsoft Excel is an electronic spreadsheet program that helps you store, organize and manipulate data by creating simple to complex spreadsheets. Microsoft PowerPoint allows you to visually display information, using anything from basic slideshows to professional multimedia presentations. Microsoft Access is a database management system that allows you to link and use data from other sources, manipulate the data you've gathered in different ways, as well as create simple business applications

Course Outcomes:

On successful completion of the course the students shall be able to

- 01 Write a document
- 02 Calculations in excel
- 03 Preparing Reports Using Access

Course Content:

1. Microsoft word
2. Microsoft Power point
3. Microsoft Excel
4. Microsoft Access

V. Ramalatha

Signature of the Faculty Member



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Approval by the HOD



Presidency University, Bengaluru
 Department of Mathematics
 School of Engineering

NOTE:1 If 1 or more classes are engaged on same day. Then change timings by repeating date
2. Enter date and timings according to the VAC class engaged

VAC DETAILS

Total number of hours:30
 Value added Course(VAC) Name and Code: Microsoft Office and Its Applications and MATV009
 Name of the Instructor: Dr. V.Rama Latha

S.No	STUDENT ID NO	STUDENT NAME	12.9.20	12.9.20	13.9.20	13.9.20	19.9.20	19.9.20	20.9.20	20.9.20	26.9.20	26.9.20	27.9.20	27.9.20	03.10.20	03.10.20	04.10.20	04.10.20	10.10.20	10.10.20	11.10.20	11.10.20	17.10.20	17.10.20	18.10.20	18.10.20	24.10.20	24.10.20	25.10.20	25.10.20	31.10.20	31.10.20	Total classes conducted	Total classes attended	Percentage attended
			11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1			
1	20191CSE0147	FAISAL KHAN	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
2	20191CSE0167	GHANATH VOOTUKURU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90
3	20191ECE0172	LANKA VENKATA SAI CHARAN KUMAR	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	30	28	93
4	20201CA0215	V VASANTH	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	30	26	87
5	20201CA0217	MONICA C	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	30	27	90
6	20201CE0108	SHREYAS BIJU NAIR	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	30	27	90
7	20201CE0110	GOKUL S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	30	28	93
8	20201CE0133	ROHITH R	P	P	P	P	P	P	A	P	A	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	30	26	87
9	20201CE0144	NEHA THOMAS	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	30	26	87
10	20201CD00036	BALU ASHOK KUMAR REDDY.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	30	100
11	20201CEI0004	DEVATHI VENKATA SAI SUBHASH	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	29	97
12	20201CEI0019	SHAIK MAHAMMAD FAROOQ	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	30	26	87



Presidency University, Bengaluru
Value Added Course Marksheet
School of Engineering

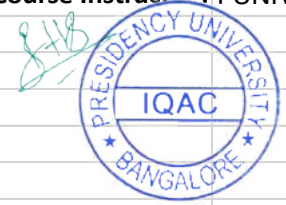
Course Code :	MATV009		Academic Year :		2020-2021		
Course Name :	Microsoft Office and Its Applications		Semester :		ODD Semester		
			Instructor-in-Charge Name :		Dr. V. Rama Latha		
			Instructor-in-Charge Employee ID		PUNIV00559		
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20191CSE0147	FAISAL KHAN	SOE	93	88	Y	
2	20191CSE0167	GHANATH VOOTUKURU	SOE	93	99	Y	
3	20191ECE0172	LANKA VENKATA SAI CHARAN KUMAR	SOE	90	84	Y	
4	20201CAI0215	V VASANTH	SOE	87	79	Y	
5	20201CAI0217	MONICA C	SOE	90	81	Y	
6	20201CCS0108	SHREYAS BIJU NAIR	SOE	90	97	Y	
7	20201CCS0110	GOKUL S	SOE	93	90	Y	
8	20201CCS0133	ROHITH R	SOE	87	82	Y	
9	20201CCS0144	NEHA THOMAS	SOE	87	86	Y	
10	20201CDV0036	BALU ASHOK KUMAR REDDY.	SOE	100	89	Y	
11	20201CEI0004	DEVATHI VENKATA SAI SUBHASH	SOE	97	94	Y	
12	20201CEI0019	SHAIK MAHAMMAD FAROOQ	SOE	87	81	Y	

Name of Course Instructor : Dr. V. Rama Latha

Employee ID of Course Instructor : PUNIV00559

V. Ramalatha

Signature of Instructor-in-Charge



[Handwritten Signature]

Signature of HOD



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Mathematics

Area of Specialization: Mathematics (General)

Name of the Faculty Member: Dr Husna V.

Title of the Value Added Course: Introduction to Scilab

Course Duration: [30 hours]

Course Code: MATV014

Introduction to the Course:

It is an open source, cross platform numerical computational package and a high level, numerically oriented programming language. It can be used for signal processing, statistical analysis, image enhancement, fluid dynamics simulations, numerical optimization and modelling, simulation of explicit and implicit dynamical systems and (if the corresponding tool box is installed) symbolic manipulations.

MATLAB code, which is similar in syntax can be converted to Scilab. Scilab is one of several open source alternatives to MATLAB.

Overview:

Scilab is a high-level numerically oriented programming language. The language provides an interpreted programming environment, with matrices as the main data type. By utilizing matrix based computation, dynamic typing, and automatic memory management, many numerical problems may be expressed in a reduced number of code as composed to similar solutions using traditional languages, such as FORTRAN, C or C++. This allows users to rapidly constant models for a range of mathematical problems. While the language provides a models library of high level operations such as correlation and complex multiplication, arithmetic, the software can be used for signal processing, statistical analysis, image enhancement, fluid dynamics simulations and numerical optimization. Scilab also includes a free package called xcos (based on scicos) for modelling and simulation of circuit and implicit dynamical systems, including both continuous and discrete sub-systems.

Course content:

Introduction of Scilab, Programs for Fixed Point Iterative Method, Newton-Raphson's Method, Newton-Raphson method for multiple roots, Ramanujan's Method, Mullers method, Gauss-elimination method with pivoting, Lagrange's Interpolation and Gauss Chebyshev Method.



Signature of the Faculty Member



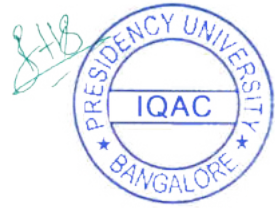
Approval by the HOD

Presidency University, Bengaluru
 Department of Mathematics
 School of Engineering

NOTE:1. If 1 or more classes are engaged on same day. Then change timings by repeating date
2. Enter date and timings according to the VAC class engaged

VAC DETAILS
 Total number of hours:30
 Value added Course(VAC) Name and Code: Introduction to SciLab and MATW14
 Name of the Instructor: Dr. Husna V

S.No	STUDENT ID NO	STUDENT NAME	12.9.20	12.9.20	13.9.20	13.9.20	19.9.20	19.9.20	20.9.20	20.9.20	26.9.20	26.9.20	27.9.20	27.9.20	03.10.20	03.10.20	04.10.20	04.10.20	10.10.20	10.10.20	11.10.20	11.10.20	17.10.20	17.10.20	18.10.20	18.10.20	24.10.20	24.10.20	25.10.20	25.10.20	31.10.20	31.10.20	Total classes conducted	Total classes attended	Percentage attended	
			11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1				
1	20201CAI0171	VINUTHA K	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P	A	P	P	A	A	P	P	P	P	P	P	P	P	P	P	30	28	93
2	20201CBC0015	SINGAMREDDY SURESH REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	A	P	P	P	P	P	P	P	P	P	P	30	27	90
3	20201CBC0033	SURAJ KUMAR	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
4	20201CCS0047	DEEKSHA U	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
5	20201CCS0068	GOGINENI CHAITANYA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
6	20201CCS0087	BLESSO SAMUEL Y	P	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	30	25	83
7	20201CCS0124	ARYANT KUMAR	A	P	A	A	P	P	P	P	P	A	P	P	P	A	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	23	77
8	20201CS10009	BHARATH N	A	P	P	P	P	A	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	30	24	80
9	20201CEI0112	PERANI MAHENDRA REDDY	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	30	28	93
10	20201CEI0169	NELLI SRAVAN KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	30	28	93
11	20201CS00029	KURUPATI HARSHAVARDHAN REDDY	P	P	A	P	A	A	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	30	24	80
12	20201CS00039	PARICHENNAIPALLI VINITHA	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90



Presidency University, Bengaluru
Value Added Course Marksheet
School of Engineering

Course Code :	MATV014		Academic Year :		2020-2021		
Course Name :	Introduction to SciLab		Semester :		ODD Semester		
			Instructor-in-Charge Name :		Dr. Husna V		
			Instructor-in-Charge Employee ID		PUNIV00805		
S.No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20201CAI0171	VINUTHA.K	SOE	93	88	Y	
2	20201CBC0015	SINGAMREDDY SURESH REDDY	SOE	90	91	Y	
3	20201CBC0033	SURAJ KUMAR	SOE	93	88	Y	
4	20201CCS0047	DEEKSHA U	SOE	93	87	Y	
5	20201CCS0068	GOGINENI CHAITANYA	SOE	93	97	Y	
6	20201CCS0087	BLESSO SAMUEL Y	SOE	83	93	Y	
7	20201CCS0124	ARYANT KUMAR	SOE	77	89	Y	
8	20201CEI0009	BHARATH N	SOE	80	88	Y	
9	20201CEI0112	PERAM MAHENDRA REDDY	SOE	93	81	Y	
10	20201CEI0169	NELLI SRAVAN KUMAR	SOE	93	94	Y	
11	20201CSD0029	KURUPATI HARSHAVARDHAN REDDY	SOE	80	95	Y	
12	20201CSD0039	PARICHENNAYAPALLI VINITHA	SOE	90	85	Y	
13	20201CSD0120	DUTTALA N SUGHANDITHA REDDY	SOE	87	88	Y	

Name of Course Instructor : Dr. Husna V

Employee ID of Course Instructor : PUNIV00805



Husna V

Signature of Instructor-in-Charge

[Handwritten Signature]

Signature of HOD



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Mathematics

Area of Specialization: Graph theory

Name of the Faculty Member: Dr Kavita Permi

Title of the Value Added Course: Graph Matrices

Course Duration: [30 hours]

Course Code: MATV025

Introduction to the Course:

Graphs are fundamental objects in combinatorics. The results in graph theory, in addition to their theoretical value, are increasingly being applied to understand and analyze systems across a broad domain of enquiry, including natural sciences, social sciences and engineering. The emphasis will be on formal definitions, together with various types of matrices associated with a graph.

Course Outcomes: On successful completion of the course the students shall be able to :

01. Express the graph in matrix form
02. Characterize the matrices of a graph.

Course Content:

Graphs, Matrices, Incidence Matrix, Cycle matrix, Cut-Set matrix, Path Matrix, Adjacency Matrix, Laplacian Matix.

Signature of the Faculty Member



Approval by the HOD

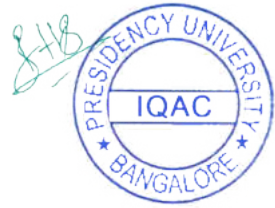
REGISTRAR

Presidency University, Bengaluru
 Department of Mathematics
 School of Engineering

NOTE:1. If 1 or more classes are engaged on same day, Then change timings by repeating date
2. Enter date and timings according to the VAC class engaged

VAC DETAILS
 Total number of hours:30
 Value added Course(VAC) Name and Code: Graph Matrices and MATW25
 Name of the Instructor: Dr. Kavita S Permi

S.No.	STUDENT ID NO	STUDENT NAME	13.9.20	13.9.20	19.9.20	19.9.20	20.9.20	20.9.20	26.9.20	26.9.20	27.9.20	27.9.20	03.10.20	03.10.20	04.10.20	04.10.20	10.10.20	10.10.20	11.10.20	11.10.20	17.10.20	17.10.20	18.10.20	18.10.20	24.10.20	24.10.20	25.10.20	25.10.20	31.10.20	31.10.20	07.11.20	07.11.20	Total classes conducted	Total classes attended	Percentage attended		
1	20201ECE0192	PRASHANTH N	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90	
2	20201EE0003	SHRAVANI N	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90	
3	20201ST0054	RESHMA BAL S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	29	97	
4	20201CAI0034	M MOHAMMAD YASIN	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93	
5	20201CAI0145	TALARI DILEEP KUMAR	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	26	87	
6	20201CAI0210	CHEREDDY JAYA SREEKAR REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	30	100	
7	20201CAI0214	ARYA BRIJITH	P	A	A	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	25	83	
8	20201CBC0018	SALONI YADAV	P	A	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	30	25	83	
9	20201CBD0004	MOHAMMAD AMAN	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	29	97	
10	20201CB00012	TUSHAR J MALVIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	30	28	93	
11	20201CB00028	SUPRIYA D V	P	P	P	A	P	P	P	A	P	P	P	P	P	P	A	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	A	30	24	80
12	20201CCS0131	UMRAZ KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	29	97	
13	20201CEI0100	V PUNEETH KUMAR REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	30	27	90	
14	20201CEI0143	V VASIGARAN	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	30	27	90	

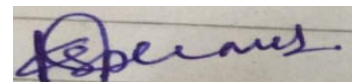


Presidency University, Bengaluru
Value Added Course Marksheet
School of Engineering

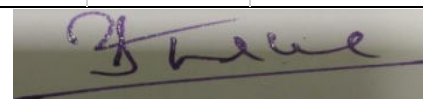
Course Code :	MATV025		Academic Year :			2020-2021	
Course Name :	Graph Matrices		Semester :			ODD Semester	
			Instructor-in-Charge Name :			Dr. Kavita S Permi	
			Instructor-in-Charge Employee ID			PUNIV00469	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20201ECE0192	PRASHANTH N	SOE	90	87	Y	
2	20201EEE0003	SHRAVANI N	SOE	90	99	Y	
3	20201IST0054	RESHMA BAI S	SOE	97	99	Y	
4	20201CAI0034	M MOHAMMAD YASIN	SOE	93	96	Y	
5	20201CAI0145	TALARI DILEEP KUMAR	SOE	87	86	Y	
6	20201CAI0210	CHEREDDY JAYA SREEKAR REDDY	SOE	100	88	Y	
7	20201CAI0214	ARYA BRIJITH	SOE	83	93	Y	
8	20201CBC0018	SALONI YADAV	SOE	83	87	Y	
9	20201CBD0004	MOHAMMAD AMAN	SOE	97	94	Y	
10	20201CBD0012	TUSHAR J MALVIYA	SOE	93	87	Y	
11	20201CBD0028	SUPRIYA D V	SOE	80	98	Y	
12	20201CCS0131	UMRAZ KHAN	SOE	97	93	Y	
13	20201CEI0100	V PUNEETH KUMAR REDDY	SOE	90	88	Y	
14	20201CEI0143	V VASIGARAN	SOE	90	82	Y	

Name of Course Instructor : Dr. Kavita S Permi

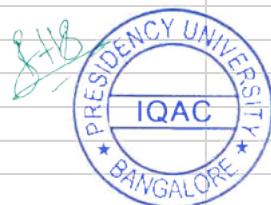
Employee ID of Course Instructor : PUNIV00469



Signature of Instructor-in-Charge



Signature of HOD





PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Engineering

Name of the Department: Mathematics

Area of Specialization: Computer Applications

Name of the Faculty Member: Dr. M.V.Chakradhar

Title of the Value-Added Course: Lattice Theory and Applications

Course Duration: 30 hours

Course Code: MATV006

Introduction to the Course:

Lattices are regular arrangements of points in Euclidean space. They naturally occur in many settings, like crystallography, sphere packings (stacking oranges), etc. They have many applications in computer science and mathematics, including the solution of integer programming problems, diophantine approximation, cryptanalysis, the design of error correcting codes for multi antenna systems, and many more. Recently, lattices have also attracted much attention as a source of computational hardness for the design of secure cryptographic functions. This course covers an introduction to lattices. We will study the best currently known algorithms to solve the most important lattice problems, and how lattices are used in several representative applications. We begin with the definition of lattices and their most important mathematical properties.

Course Outcomes:

On successful completion of the course the students shall be able to

- Learning ordered sets; their diagrams; maps between ordered sets; the duality principle; down-sets and up-sets; maximal and minimal elements; top and bottom; and building new ordered sets.
- Learning lattices as ordered sets; complete lattices; chain conditions and completeness; and how to construct completions.
- Learning how to form directed joins; how to construct algebraic closure operators; and how to complete partially ordered sets.
- Learning the existence of maximal elements and the celebrated Zorn's Lemma.
- deal with lattices as algebraic structures; to form sublattices; products; homomorphisms and congruences.
- Determine whether a given lattice is modular or distributive; and how to apply the M3 – N5 Theorem.
- Learning Boolean algebras and Stone's representation theorem for Boolean algebras.

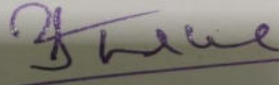
Course Content:

We shall cover in this course as many of the following topics as time allows: Partially ordered sets (posets), lattices and complete lattices, lattices as algebraic structures, modular and distributive lattices, Boolean Algebras, ideals and filters, Stone's representation theorem for Boolean algebras and few related algorithms.





Signature of the Faculty Member



Approval by the HOD

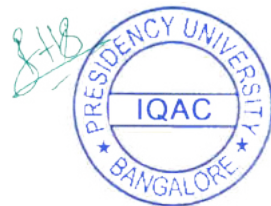



Presidency University, Bengaluru
 Department of Mathematics
 School of Engineering

VAC DETAILS
 Total number of hours:30
 Value added Course(VAC) Name and Code: Lattice Theory and Applications and MATV06
 Name of the Instructor: Dr. M. V. Chakrathara Rao

NOTE-1: If 1 or more classes are engaged on same day. Then change timings by repeating date
2. Enter date and timings according to the VAC class engaged

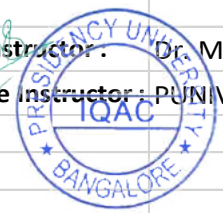
S.No.	STUDENT ID NO	STUDENT NAME	06.02.21	06.02.21	07.02.21	07.02.21	13.02.21	13.02.21	14.02.21	14.02.21	20.02.21	20.02.21	21.02.21	21.02.21	27.02.21	27.02.21	28.02.21	28.02.21	06.03.21	06.03.21	07.03.21	07.03.21	13.03.21	13.03.21	14.03.21	14.03.21	20.03.21	20.03.21	21.03.21	21.03.21	27.03.21	27.03.21	Total classes conducted	Total classes attended	Percentage attended	
1	20201CSE00215	PRIYANSHU RAI	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	30	26	87	
2	20201CSE00041	GUDA MAHITHA	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	30	28	93	
3	20201CSE0060	R RUPESH	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	A	P	P	P	A	P	P	P	P	P	P	30	25	83	
4	20201CSE0163	ROBINSON THAKURI	P	P	P	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	30	25	83	
5	20201CSE0195	SPOORTHI IYER S	A	A	A	P	P	P	P	A	P	A	P	P	P	A	A	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	30	20	67	
6	20201CSE0411	ASHISH SHARMA	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	A	A	P	P	P	P	P	30	25	83	
7	20201CSE0532	ABHISHEK P R	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	30	27	90	
8	20201CSE0539	DEEPASHRI S	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	30	26	87	
9	20201CSE0546	TEJASWINI P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	A	P	P	P	P	P	P	30	26	87	
10	20201CSE0569	ALOK SHIVAPPA HALLEMMANAVAR	P	A	P	P	P	A	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	26	87	
11	20201CSE0597	SUPRITHA R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	30	29	97
12	20201CSE0604	VINAY M	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	30	27	90	
13	20201CSE0610	GIDDA REDDY YESWANTH	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93
14	20201CSE0613	NIKHIL KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	30	28	93	



Presidency University, Bengaluru
Value Added Course Marksheet
School of Engineering

Course Code :	MATV006		Academic Year :			2020-2021	
Course Name :	Lattice Theory and Applications		Semester :			EVEN Semester	
			Instructor-in-Charge Name :			Dr. M. V. Chakradhara Rao	
			Instructor-in-Charge Employee ID			PUNIV00170	
S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20201CSD0215	PRIYANSHU RAJ	SOE	87	88	Y	
2	20201CSE0041	GUDA MAHITHA	SOE	93	92	Y	
3	20201CSE0060	R RUPESH	SOE	83	83	Y	
4	20201CSE0163	ROBINSON THAKURI	SOE	83	79	Y	
5	20201CSE0195	SPOORTHI IYER S	SOE	67	96	Y	
6	20201CSE0411	ASHISH SHARMA	SOE	83	89	Y	
7	20201CSE0532	ABHISHEK P R	SOE	90	83	Y	
8	20201CSE0539	DEEPASHRI S	SOE	87	91	Y	
9	20201CSE0546	TEJASWINI P	SOE	87	91	Y	
10	20201CSE0569	ALOK SHIVAPPA HALLEMMANAVAR	SOE	87	97	Y	
11	20201CSE0597	SUPRITHA R	SOE	97	87	Y	
12	20201CSE0604	VINAY M	SOE	90	91	Y	
13	20201CSE0610	GIDDA REDDY YESWANTH	SOE	93	90	Y	
14	20201CSE0613	NIKHIL KUMAR	SOE	93	83	Y	

Name of Course Instructor : Dr. M. V. Chakradhara Rao
Employee ID of Course Instructor : PUNIV00170



Same
 REGISTRAR

Same

Signature of Instructor-in-Charge

Same

Signature of HOD



PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

Name of the School: School of Basic Science

Name of the Department: Mathematics

Area of Specialization: Fluid Mechanics

Name of the Faculty Member: Dr. Jagan K

Title of the Value Added Course: Numerical method solution using Mathematica

Course Duration: [30 hours] [From to]

Course Code: MATV019

Introduction to the Course: [Write about a para, indicating the purpose of this course, nature of the course and prerequisites of the course] [It is same as our course description in the course hand out]

Numerical method is a powerful tool used for solving many scientific and engineering problems. There are several popular computing numerical applications such as Mathematica, MATLAB, etc. Mathematica applies intelligent automation in every part of the system and from algorithm selection to plot layout. Mathematica gives reliable and good results for the numerical problems.

Course Outcomes: On successful completion of the course the students shall be able to:

- 01 Use Mathematica to solve their problems
- 02 Write Mathematica coding for numerical methods
- 03 Get results faster even for complicated problems.


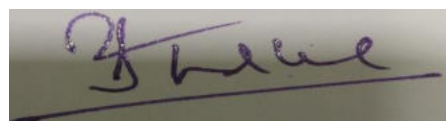
Course Content: [Briefly mention all the important topics to be covered in this course]

Basics of Mathematica: Installation and Running, Basics of Numerical calculations, Basic functions, Algebraic Manipulation, Conditional statements - If, Which, Switch and Piecewise, Loops and control structures - For and Break.

Numerical solution and Mathematica Coding: Runge-Kutta method, Gauss elimination method and Gauss Jordan method.




Signature of the Faculty Member

Approval by the HOD

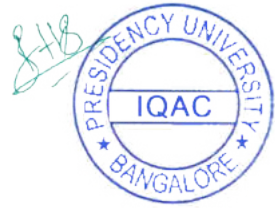



REGISTRAR

Presidency University, Bengaluru
 Department of Mathematics
 School of Engineering

NOTE:1. If 1 or more classes are engaged on same day. Then change timings by repeating date
 2. Enter date and timings according to the VAC class engaged


S.No	STUDENT ID NO	STUDENT NAME	06.02.21	06.02.21	07.02.21	07.02.21	13.02.21	13.02.21	14.02.21	14.02.21	20.02.21	20.02.21	21.02.21	21.02.21	27.02.21	27.02.21	28.02.21	28.02.21	06.03.21	06.03.21	07.03.21	07.03.21	13.03.21	13.03.21	14.03.21	14.03.21	20.03.21	20.03.21	21.03.21	21.03.21	27.03.21	27.03.21	Total classes conducted	Total classes attended	Percentage attended	
			10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12	10-11	11-12				
1	20201CT0080	RAHUL GOWDA H R	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	29	97	
2	20201CT0131	KONDEPOGU PRAVEEN KUMAR	P	P	P	P	P	A	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	30	26	87	
3	20201COM0033	B ABHIRAM	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	30	27	90	
4	20201CSE0028	YOGITH P D	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	A	P	A	P	P	P	P	P	P	A	P	P	30	24	80	
5	20201CSE0082	CHOVATIYA PARTH MAHESHBHAI	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	30	26	87	
6	20201CSE00121	YASHVITHA REDDY R	P	P	P	A	P	A	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	30	25	83	
7	20201CSE0034	G PRASANNA KUMAR	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	30	26	87	
8	20201CSE0057	ARYAN KAUSHIK	P	P	A	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	30	26	87	
9	20201CSE0112	HARSHITHA C E	P	P	P	A	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	30	26	87	
10	20201CSE0186	TEJAS GANGADHAR GOWDA	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	30	27	90	
11	20201CSE0217	LODARIYA YASH KANTILAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	A	P	P	P	P	A	P	P	30	25	83	
12	20201CSE0249	K SUDHEER KUMAR	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	28	93	
13	20201CSE0387	MADHUSMITA SAHOO	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	29	97	
14	20201CSE0516	SPOORATHI B KUDAGI	A	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	27	90	
15	20201CSE0534	PRAJWAL C	A	P	P	P	A	A	A	A	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	30	24	80	
16	20201CSE0576	FARHEEN	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	30	29	97	
17	20201CSE0596	VIPUL JOSEPH PINTO	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	30	27	90
18	20201CSE0602	VARUN CHANDRAPPA BHUMANNANAVAR	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P	30	26	87	
19	20201CSE0606	SINDHU M	P	P	P	P	A	P	P	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	30	26	87	
20	20201CSE0673	DEEPAK V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	30	29	97	
21	20201CSE0681	AKSHAY M	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P	30	26	87	
22	20201CSE0685	PALLAVI	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	A	P	P	P	P	30	27	90	
23	20201CSE0701	AISHWARYA OJI	P	A	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	A	P	A	P	P	A	P	30	24	80
24	20201CSE0711	D SHIVASHANKAR	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	30	28	93	
25	20201CSE0897	NEHA	A	P	P	P	P	A	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	30	26	87	



Presidency University, Bengaluru
Value Added Course Marksheet
School of Engineering

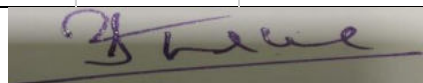
Course Code :	MATV019		Academic Year :			2020-2021	
Course Name :	Numerical Method Solution using Mathematica		Semester :			EVEN Semester	
			Instructor-in-Charge Name :			Dr. Jagan K	
			Instructor-in-Charge Employee ID			PUNIV01472	
S. No	Roll No	Name	School (e.g. SoE/Sol etc)	Attendance (in %)	Marks	Eligible for Certificate (Y/N)	Remark
1	20201CIT0080	RAHUL GOWDA H R	SOE	97	81	Y	
2	20201CIT0131	KONDEPOGU PRAVEEN KUMAR	SOE	87	98	Y	
3	20201COM0033	B ABHIRAM	SOE	90	95	Y	
4	20201CSD0028	YOGITH P D	SOE	80	84	Y	
5	20201CSD0082	CHOVATIYA PARTH MAHESHBHAI	SOE	87	86	Y	
6	20201CSD0121	YASHVITHA REDDY R	SOE	83	99	Y	
7	20201CSE0034	G PRASANNA KUMAR	SOE	87	94	Y	
8	20201CSE0057	ARYAN KAUSHIK	SOE	87	98	Y	
9	20201CSE0112	HARSHITHA C E	SOE	87	81	Y	
10	20201CSE0186	TEJAS GANGADHAR GOWDA	SOE	90	86	Y	
11	20201CSE0217	LODARIYA YASH KANTILAL	SOE	83	84	Y	
12	20201CSE0249	K SUDHEER KUMAR	SOE	93	82	Y	
13	20201CSE0387	MADHUSMITA SAHOO	SOE	97	83	Y	
14	20201CSE0516	SPOORTHI B KUDAGI	SOE	90	79	Y	
15	20201CSE0534	PRAJWAL C	SOE	80	79	Y	
16	20201CSE0576	FARHEEN	SOE	97	93	Y	
17	20201CSE0596	VIPUL JOSEPH PINTO	SOE	90	80	Y	
18	20201CSE0602	VARUN CHANDRAPPA BHUMANNAVAR	SOE	87	98	Y	
19	20201CSE0606	SINDHU M	SOE	87	98	Y	
20	20201CSE0673	DEEPAK V	SOE	97	96	Y	
21	20201CSE0681	AKSHAY M	SOE	87	92	Y	
22	20201CSE0685	PALLAVI	SOE	90	97	Y	
23	20201CSE0701	AISHWARYA OJI	SOE	80	83	Y	
24	20201CSE0711	D SHIVASHANKAR	SOE	93	82	Y	
25	20201CSE0897	NEHA	SOE	87	90	Y	

Name of Course Instructor : Dr. Jagan K
Employee ID of Course Instructor : PUNIV01472



Signature of Instructor-in-Charge


 REGISTRAR

Signature of HOD