St. Joseph's Degree College
Sunkesula Road
Kurnool

<u>Department of Statistics</u>

Add on course on the basis of "**MATLAB**"

Academic Year – (2019-2020)

B. Mallika M.Sc , B.Ed
Head of Department
Department of Statistics

Add-on Course – MATLAB

Department of Statistics conducted Add-on Course (MATLAB) for III year students. It's having been done from 05/Feb/2020 to 19/Mar/2020. This course was conducted Weekly twice (Wednesday and Thursday) between 3 to 5pm using computer systems. One of our department faculty

Mr. K. Raghavendra has taken the MATLAB classes.

Lecturers attended:

1) B. Mallika
2) I. Kalyani
3) K. Keerthi Madhuri
4) K. Raveendra

Total no. of students Participated: 26

Course objective

- To learn fundamental computer programming concepts such as variables, control structures, functions and many others.
- To learn about various data types and how to handle them in MATLAB.
- To gain the powerful support MATLAB provides for working with matrices, vectors, 3D-plots, Differential equations, Statistical concepts etc.
- Students will learn about file input/output

Request letter

30-12-2019

Kurnool

To

The Chairman,

Internal Quality Assurance Cell,

St. Joseph's Degree College,

Kurnool.

Respected Sir/Madam,

Sub: Request to give permission for conducting MATLAB course-Reg.

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We the department of Statistics wants to conduct Add on course for our students under **MATLAB** starting from 5th February 2020 i.e. weekly two days. One of our statistics faculty member Mr.K.Raghavendra is going to deal the course. The main objective of this Programme is to motivate students, and to enhance academic knowledge regarding the subject. Hence we request you to kindly give us permission.

Thanking You,

Yours faithfully,

(B.Mallika)

Head of the Department

Department of Statistics.

Copy to:

1. Copy to Principal

Circular to the students

St. Joseph's Degree College

Sunkesula Road

Kurnool

DEPARTMENT OF STATISTICS

Circular

        All the students of statistics are here by informed that there will be an Add on course based on MATLAB on every Wednesday and Thursday at 3'O clock. Hence the students are requested to enroll their names and assemble themselves at Block II, IInd floor computer lab without fail.

(B.Mallika)
Head of the Department
Department of statistics

ST. JOSEPH'S DEGREE COLLEGE, KURNOOL

DEPT. OF STATISTICS

MATLAB - SYLLABUS FOR Add-on COURSE

1. Introduction of MATLAB SOFTWARE & its interactive Computations, Uses in various fields. Input, Saving & loading data, getting an outputs in different windows.

2. Applications of MATLAB: Simple arithmetic operations, arrays, Vectors, and Matrix operations with programs.

3. Operations of SUM, MUL, DIVISION, TRANSPOSE, EXPONENT of any two matrices.

4. Finding Gaussian elimination, also Eigen values & Eigen vectors using Matrices.(Linear Algebra)

5. Estimating Area & circumference of a circle. Also finding area of Circle, triangle, Rectangle using MENU option.

6. Evaluating Differentiations (First & Second order differential equations) and Numerical Integrations (Single & double integrals with their limits).

7. Arithmetic operations of two given numbers using SWITCH statement.

8. Creating Bar, pie & Area charts. Generating Overlay plot.

9. Curve fitting (Linear, Quadratic, Polynomial curves).

10. Data analysis & Interpolation (Using Spline & Pchip functions)

ATTENDENCE

St. Joseph's Degree College, Sunkesula Road, Kurnool-4

Programme: MATLAB (ADD-ON COURSE)

Dept. of Statistics   III Year Statistics Students

Date:

List of students attending

S.No	Name of the Student	Class	Mobile No	Email ID	Signature
01	B.C. Rakesh	III rd MSc's D	9492883410	rakeshchamakura222@gmail.com	B.C. Rakesh
02	U. Madhusudhan	MSC's-D	9110707240	upparimadhu04@gmail.com	U. Madhu Sudhan
03	J. Ramesh	MSC'-D	9182106743	ramesh52394@gmail.com	J. Ramesh
04	A. Md. Rizwan	III-Mscs-C	9398992956	cshaikmohammedrizwan49@gmail.com	S. Md. Rizi
05	G. Abdul Khader Jeelani	III MSCS-C	9701845242	gak jeelani918@gmail.com	G.A.K. Jeelani
06	Shaik Romaan Ahmed	III MSC-c	7842948480	romaanah514@gmail.com	S. Romaan Ahmed
07	N.S. Shanawaz	III MSCS-c	8985778619	shanawaz.s.abcdefg@gmail.com	Abu
08	K. Charan Raj	III-MSCS-C	8142227942	karanamcharanraj@gmail.com	CHARAN
09	K. Jagadish	III- MSCS-C	9848766533	jagadishrock4444@gmail.com	Kamle
10	L. mahendra	III -mscs-c	9908787540	lmahendra088@gmail.com	L. mahendra
11.	K. Varalakshmi	III-MSCS-A	7997930612	kanike varalakshmi1234@gmail.com	K. Varalakhmi
12.	G. Divya	II MSC-A	8179494682	ganjidivya1999@gmail.com	Divya Reddy
13.	B. Supriya	III MSC-A	9121965806	bonthala supriya4@gmail.com	B. Supriya
14.	M. Suneetha	III MSS-A	7702367928	Sai Sunitha 113@gmail.com	M. Sunitha
15	Y.C. Shanthy	III mscs-A	9182117545	shanthi222000@gmail.com	Y.C. Shanthy
16	Y. Yuva Madhuri	III MSCS-B	7569086765	Yadava'yuvamadhuri@gmail.com	Y. madhuri
17.	K. Sati Pallavi	III Mscs-B	6281923989	Sati Pallavi1124@gmail.com	K. Pallavi
18.	N. keerthana	III MSCS-B	8465951375	narlakeerthana 519@gmail.com	N. keerthana

S.No	Name of the Student	Class	Mobile No	Email ID	Signature
19.	Shaik Rehana	III MSCS-B	8247211210	rehanarehe34@gmail.com	Rehanashaikl
20	K. Mounika	III MSCS-B	8096148845	mounika.koranki849@gmail.com	K. Mounika
21	K. Maheswari	III MSCS-B	9390943781	komisimahi123@gmail.com	K. Maheswari
22	M. Dineswari	III-MSCS-B	6305673305	deeparanarayana227@gmail.com	M. Dineswari
23	M. Bhavani	III-MSCS-B	9951423919	bhavani2nd@gmail.com	M. Bhavani
24	Dave Nitesh Kumar	III MSCS-C	9182069745	ndave908@gmail.com	N. Dave Nitesh
25	G. Praveena	III MSCS-A	9030435684	gpraveena2106@gmail.com	G. Praveena
26	V. Neelima Bai	III MSCS-A	9154880258	neelimabai1999@gmail.com	V. Neelima Bai

Program photos

St. Joseph's Degree college, Kurnool

Department of Statistics

Test: Add-on Course (MATLAB)   Time: 1 hr

Answer all of the questions   **Marks: 10X 5=50 M**

1 What is MATLAB and what are its uses?

2. Explain about MATLAB API and what are the main parts of MATLAB?

3. Explain some of the MATLAB commands?

4. What are the operators supported by MATLAB?

5. Explain the process to pre-allocate a non-double Matrix?

6. What are the types of Loops does MATLAB provides with syntax?
in MATLAB?

7. What are the function to solve Ordinary Differential Equations?

8. About Set and Get in MATLAB?

9. Explain the X-math MATLAB and its features?

10. Explain graphs & plots in MATLAB?

Link : **https://forms.gle/4Eq6UmUTBQh5xTzh7**

MATLAB (Add-on Course) - Feedback

Organized by
Department of Statistics,
St.Joseph's Degree College,
Sunkesula Road, KURNOOL - 4

sjdc.statistics@gmail.com Switch account

* Required

Email *

Your email

Name of the Student *

Your answer

13 responses

Accepting responses

Summary   Question   Individual

Who has responded?

Email

rehanarehe33@gmail.com

yadavayuvamadhuri@gmail.com

narlakeerthana519@gmail.com

jagadishrock4444@gmail.com

mounikakonanki879@gmail.com

divyareddy0041@gmail.com

saisunitha113@gmail.com

kanikevaralakshmi1234@gmail.com

bonthalasupriya4@gmail.com

MATLAB (Add-on Course) - Feedback (Responses)

File Edit View Insert Format Data Tools Extensions Help
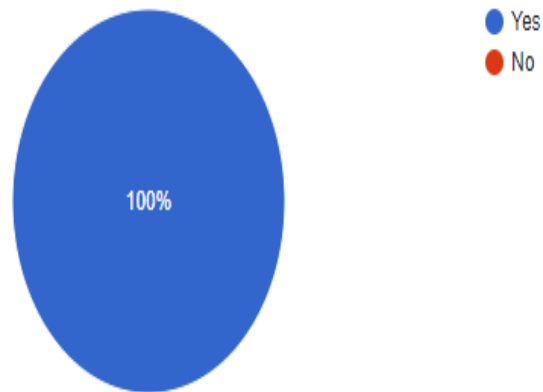
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Timestamp

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1	Timestamp	Email Address	Name of the Student	Mobile No (Whats App N	Do you feel that your kno	How would you rate your	Was the training cou
2	11/2/2022 11:43:34	rehanarehe33@gmail.co	Shaik Rehana	8247211210	Yes	5	Strongly Agree
3	11/2/2022 11:49:18	yadavayuvamadhuri@gm	Yadava Yuva madhuri	07569086765	Yes	5	Agree
4	11/2/2022 12:01:45	narlakeerthana519@gma	Narla Keerthana	8688639781	Yes	5	Agree
5	11/2/2022 12:02:00	jagadishrock4444@gmai	Jagadish	9848766533	Yes	5	Strongly Agree
6	11/2/2022 12:08:37	mounikakonanki879@gm	Konanki Mounika	8096148845	Yes	5	Strongly Agree
7	11/2/2022 13:01:19	divyareddy0041@gmail.c	Divya Reddy	8179494682	Yes	5	Agree
8	11/2/2022 13:24:26	saisunitha113@gmail.cor	Madugundu suneetha	7702367928	Yes	5	Agree
9	11/2/2022 14:02:38	kanikevaralakshmi1234@	Kanike.varalakshmi	7997930612	Yes	4	Agree
10	11/2/2022 14:37:51	bonthalasupriya4@gmail	Supriya Bonthala	9121465806	Yes	4	Agree
11	11/2/2022 14:53:06	neelimabai1999@gmail.c	Vadithy Neelima Bai	9154880258	Yes	5	Agree
12	11/2/2022 18:08:14	karanamcharanraj@gma	K Charan Raj	8142227942	Yes	5	Agree
13	11/2/2022 20:09:39	lmahendra088@gmail.co	L mahendra	9959521861	Yes	5	Strongly Agree
14	11/2/2022 23:17:32	gakjeelani918@gmail.co	G ABDUL KHADER JEE	7032352856	Yes	4	Agree

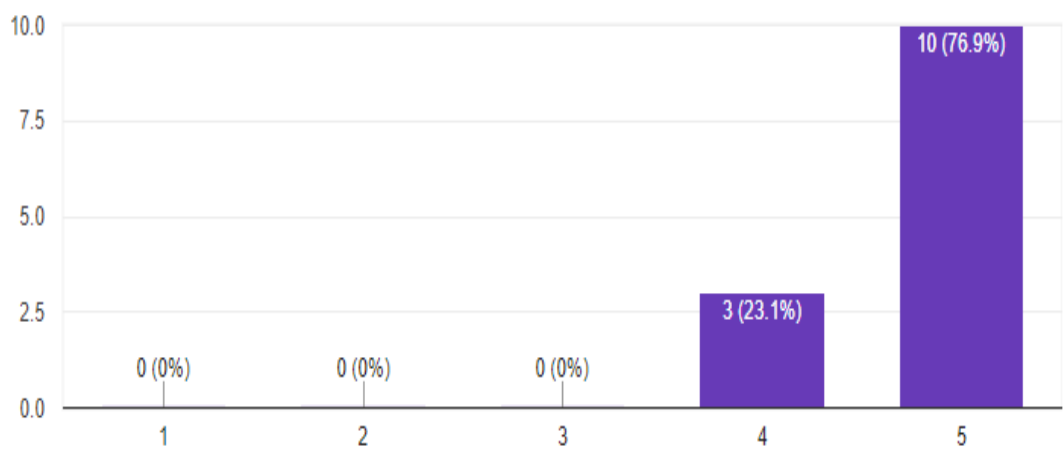## Do you feel that your knowledge or skills have improved by taking the course
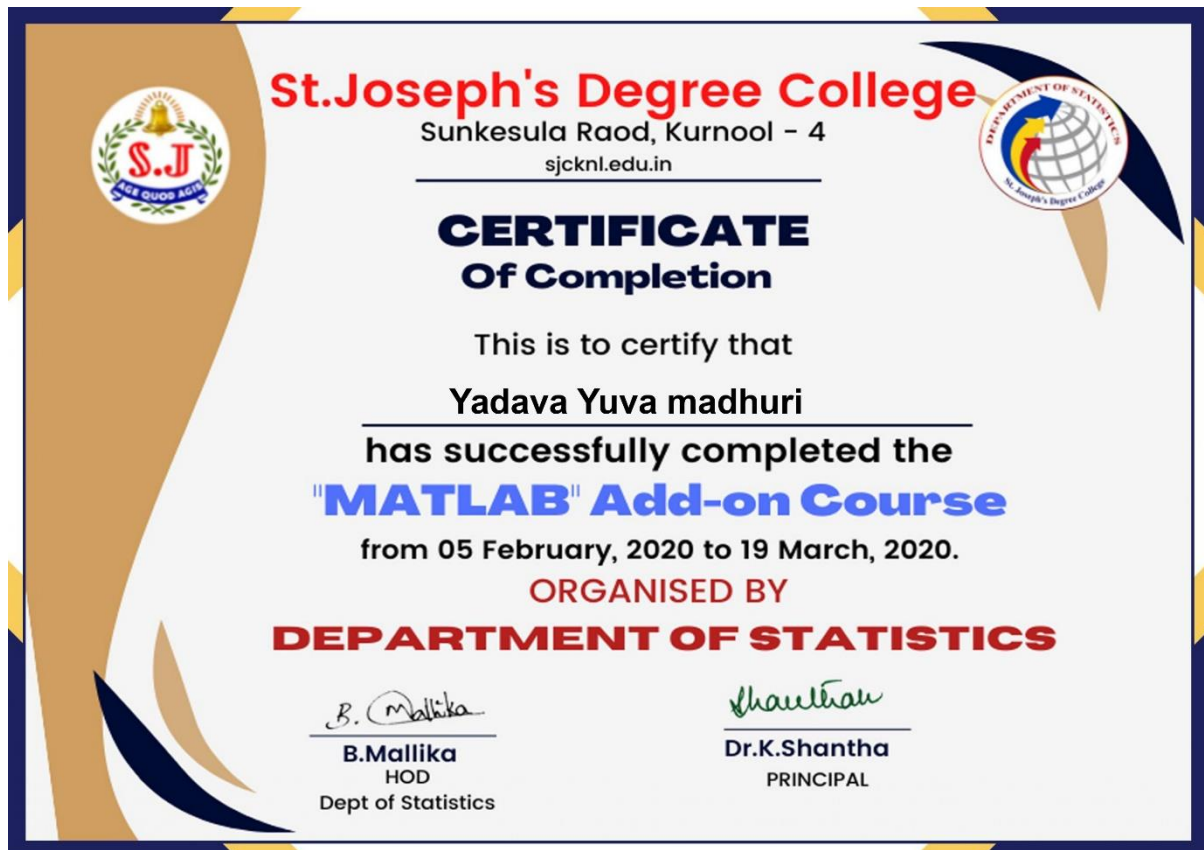
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13 responses

- Yes
- No

100%

How would you rate your overall learning experience?

Copy

13 responses

10.0	10 (76.9%)
7.5	
5.0	
2.5	3 (23.1%)
0.0	0 (0%) 0 (0%) 0 (0%)
	1 2 3 4 5

OUTCOMES:-

Upon successful completion of this course, a student will be able to

- Create and customize various 2D/3D plots and animations based on given input data
- Identify the need and use control structures, different data types, strings, various data structures and various inputs/outputs in a computer program.
- Be able to solve basic symbolic, numeric and linear algebra problems.