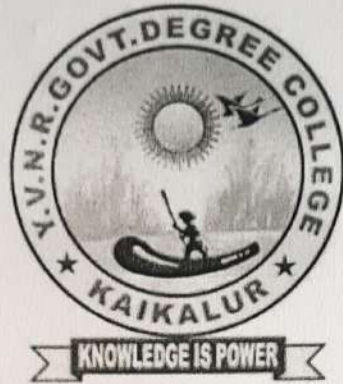


Y.V.N.R GOVERNMENT DEGREE COLLEGE



Kaikaluru – Eluru Dist. (AP)

Department of Mathematics

**Certificate course
on
Fundamentals of MATHLAB**

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU

Affiliated to Krishna University

NAAC A [CGPA 3.13 in 3rd Cycle]

ISO Certification 9001: 2015



08677 - 222517



gdcjkc.kaikaluru@gmail.com



www.yvnrgdc.ac.in



Kaikaluru, Eluru District,
Andhra Pradesh - 521333

01-08-2023

Certificate Courses offered by Various Departments – Circulars issued

Ref: 1) Minutes of the Meetings of IQAC point 4 held on 16-06-2023.

Circular

The IQAC vide reference (i) above, resolved to approve the course and syllabus of the following certificate course of the duration of 30 hours to be finished within the Year 2023. Y.V.N.R Government Degree College as recommended by the respective departments and as endorsed by the faculties concerned. Brochure to be circulated, course end exam to be conducted by the department, and attendance and mark statements to be maintained. Certificate of completion to be provided by the end of the course.

S. No	Name of the Certificate Course	Course Code	Department offering the Course
1	Fundamentals of Mathlab	MAT-CC-AQR	Mathematics

Gann Sultan

Praddy
Principal

PRINCIPAL
YVNR Govt. Degree College,
KAIKALURU - 521 333, Eluru Dist

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU

Affiliated to Krishna University

NAAC Grade "B+" [CGPA 2.61]

ISO Certification 9001: 2015



+ 91 9948422020



yvnrgdc.kailaluru@gmail.com



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Kailaluru, Eluru District.,
Andhra Pradesh - 521333

Kailaluru

01-08-2023

To
The Principal
YVNR Govt Degree College,
Kailaluru
Eluru (Dt.) - 521333

Sir,

Sub: Permission for organizing a Certificate Course **FUNDAMENTALS OF MATHLAB** by
the Department of MATHEMATICS req - Reg.

The Department of Mathematics is willing to conduct a Certificate Course MATHLAB
FUNDAMENTALS from 21-08-2023 to 30-09-2023 with a duration of 30 hours. Need to do
programming task on Matlab works. Kindly give permission to conduct the Certificate Course.

Thanking You.

Yours Faithfully

C. Gousia Sultan
01/08/23

Smt. C GOUSIA SULTANA

Department of Mathematics

Y.V.N.R. Government Degree College

Kailaluru.

*Duration of the Course : 30 hours
21 Aug 2023 To 30 Sep 2023*

Faculty information

C. GOUSIA SULTHANA CHOUDRI

M.Sc., B.Ed., APSET., (Ph.D).

Dr. B. JAGAN MOHAN RAO

M.Sc., Ph. D

Instructions to the Students

- > **75 % Course attendance compulsory to get the Certificate.**
- > **Students who will get 40% marks in the examination and they will eligible to get Certificate**

Further information contact

**C. Gousia Sulthana Choudri
Department of Mathematics**

Course coordinator



Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU, ELURU DIST., A.P - 521333.

AFFILIATED TO KRISHNA UNIVERSITY

NAAC Grade "A" [GCPA 3.13]

ISO CERTIFICATION 9001: 2015

Certificate course on

**Fundamentals of
MATHLAB**

Organized by:

DEPARTMENT OF MATHEMATICS

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU

Affiliated to Krishna University
 NAAC Grade "A" [CGPA 2.61]
 ISO Certification 9001: 2015



+ 91 8948422020
 yvnrgdc.kaikaluru@gmail.com
 www.yvnrgdc.ac.in
 Kalkaluru, Eluru District,
 Andhra Pradesh - 521333

Title of the Certificate Course: Fundamentals of matlab
 Name of the Department Organized: Mathematics
 Course Code: *MATLAB12 (or) MAT-CC-AGR
 Dates organized: 21/8/23 to 30/9/23

S. No	Name of the student	Class	Registered Number	Signature
1	B. Naga Durga	II nd B.Sc	2129240050002	B. Naga Durga
2	Ch. Aruna Jayathi	II nd B.Sc	2129240050004	Ch. Aruna Jayathi
3	T. Varsha	II nd D.Sc	2129240489024	T. Varsha
4	G. Sruvadeepthi	II nd D.Sc	2129240489014	G. Sruvadeepthi
5	U. Yacub	III rd B.Sc	2129240050025	U. Yacub
6	Gummada Liny Jamin	II nd M.P.C	2129240050007	Gummada Liny Jamin
7	B. Naga durga	II nd M.P.C	2129240050002	B. Naga durga
8	O. Prathima	II nd M.P.C	2129240050015	O. Prathima
9	G. LOHITH KUMAR.	II nd M.P.C	2129240050006	G. LOHITH KUMAR.
10	L. Eeswar Babu	II nd M.P.C	2129240050011	L. E. Babu
11	MD Sabreela Tabassum	II nd M.P.C	2129240050012	MD Sabreela
12	P. Lalitha	II nd M.P.C	2129240050019	P. Lalitha
13	P. Chandra Teja	II nd M.P.C	2129240050017	P. Chandra Teja
14	N. Krishna Krithika	II nd M.P.C	2129240050013	N. Krishna Krithika
15	K. Puthamma	II nd M.P.C	2129240050006	K. Puthamma
16	V. Veeravenkat	II nd M.P.C	2129240050016	V. Veeravenkat
17	G. Bale Sai	II nd M.P.C	2129240050003	G. Bale Sai
18	G. Jaya Sri	II nd M.P.C	2129240050005	G. Jaya Sri
19	Y. Ramu	II nd M.P.C	2129240050017	Y. Ramu
20	K. Bhargavi	II nd D.Sc	2129240489015	K. Bhargavi

Z. Gann Sultan

sign of the principal:
 PRINCIPAL
 YVNR Govt. Degree College,
 KAIKALURU - 521 333, Eluru Dist

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU

Affiliated to Krishna University

NAAC Grade "B+" [CGPA 2.61]

ISO Certification 9001: 2015



+ 91 9948422020



yvnrgdc.kaikalru@gmail.com



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Kailaluru, Eluru District,
Andhra Pradesh - 521333

DEPARTMENT OF MATHEMATICS

MATLAB FUNDAMENTAL SYLLABUS

Certificate course:

30 Hours.

Description

Introduction to MATLAB introduces students to basic MATLAB programming concepts.

Course Contents

Topic 1: Desktop, Variables, and Data Types

Introduction to MATLAB

Creating Variables

Some Useful MATLAB Functions

Data Types

Topic 2: Script Files

Lectures: Script Files

Topic 3: Plotting

Video Lectures

Introduction to Arrays

Graphing

Exercises: Graphing Functions Using MATLAB

Topic 4: Good Programming Practices

Good Programming Practices: Planning Your Code

Good Programming Practices: Creating Your Code

Topic 5: Input and Output Statements

Input Statements

Output Statements

Exercises: Input/Output Statements

Topic 6: Conditional Statements

Video Lectures

Conditional Statements: Logical Operators

Conditional Statements: if, else, and elseif

Conditional Structures: Switch

Exercises:

Conditional Statements 1

Conditional Statements 2

Topic 7: Loops

Repetition Structure: Introduction to Loops

Repetition Structure: For Loops

Repetition Structure: While Loops

Exercises: Loops

Topic 8: Nested Loops

Lecture: Nested Loops Breaks

Video Lecture: Repetition Structures: Nested Loops and the Break Statement

Topic 9: Arrays

Exercises: Arrays

Topic 10: Array Functions

Video Lecture: Some Useful Functions for Arrays

Exercises: Array Functions

Textbooks

MATLAB: A Practical Introduction to Programming and Problem Solving, 3rd edition,
Stormy Attaway,

Resources: Copy: A program developed by MathWorks that allows students to progressively develop MATLAB.

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU, ELURU (D)

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE ON FUNDAMENTALS OF MATHLAB

ATTENDANCE SHEET:

ACADEMIC YEAR: 2022-23

S. No.	NAME OF THE STUDENT	21/8/23	22/8/23	23/8	25/8	26/8	28/8	29/8	31/8	1/9	2/9
1	B. Naga Anuga	Naga	Naga	Naga	Anuga	Anuga	Anuga	Naga	Anuga	Anuga	Anuga
2	Ch. Anna Tyothi	Anna	Anna	Anna	Anna	Anna	Anna	Anna	Anna	Anna	Anna
3	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha
4	G. Sravani Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi
5	U. Yacub	U. Yacub	U. Yacub	U. Yacub	U. Yacub	U. Yacub	U. Yacub	U. Yacub	U. Yacub	U. Yacub	U. Yacub
6	J. Jagan	Jagan	Jagan	Jagan	Jagan	Jagan	Jagan	Jagan	Jagan	Jagan	Jagan
7	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga
8	O. Prathyusha	O. Prathyusha	O. Prathyusha	O. Prathyusha	O. Prathyusha	O. Prathyusha	O. Prathyusha	O. Prathyusha	O. Prathyusha	O. Prathyusha	O. Prathyusha
9	G. Lohith Kumar	G. Lohith Kumar	G. Lohith Kumar	G. Lohith Kumar	G. Lohith Kumar	G. Lohith Kumar	G. Lohith Kumar	G. Lohith Kumar	G. Lohith Kumar	G. Lohith Kumar	G. Lohith Kumar
10	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu
11	MD Sabeela Tabassum	MD Sabeela	MD Sabeela	MD Sabeela	MD Sabeela	MD Sabeela	MD Sabeela	MD Sabeela	MD Sabeela	MD Sabeela	MD Sabeela
12	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha
13	A Chandrateja	A. Chandrateja	A. Chandrateja	A. Chandrateja	A. Chandrateja	A. Chandrateja	A. Chandrateja	A. Chandrateja	A. Chandrateja	A. Chandrateja	A. Chandrateja

Z. Govin Sankar
Signature of the Lecturer

[Signature]
Signature of the Principal.

PRINCIPAL
YVNR Govt. Degree College,
KAIKALURU - 521 333, Eluru Dist

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU, KRISHNA (D)

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE ON FUNDAMENTALS OF MATHLAB

ATTENDANCE SHEET:

ACADEMIC YEAR : 2022-23

S. No.	NAME OF THE STUDENT	4/9/23	5/9	6/9	7/9	11/9	12/9	13/9	14/9	15/9	16/9
1	B. Naga Durga	Naga	Naga	Naga	Naga	Naga	Naga	Naga	Naga	Naga	Naga
2	Ch. Anna Tyothi	Anna	Anna	Anna	Anna	Anna	Anna	Anna	Anna	Anna	Anna
3	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha
4	G. Sruvati Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi
5	U. YACUB	U. YACUB	U. YACUB	U. YACUB	U. YACUB	U. YACUB	U. YACUB	U. YACUB	U. YACUB	U. YACUB	U. YACUB
6	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain	Jain
7	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga
8	P. Latha	P. Latha	P. Latha	P. Latha	P. Latha	P. Latha	P. Latha	P. Latha	P. Latha	P. Latha	P. Latha
9	G. LOHITH KUMAR	G. LOHITH KUMAR	G. LOHITH KUMAR	G. LOHITH KUMAR	G. LOHITH KUMAR	G. LOHITH KUMAR	G. LOHITH KUMAR	G. LOHITH KUMAR	G. LOHITH KUMAR	G. LOHITH KUMAR	G. LOHITH KUMAR
10	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu	L. Eshwar Babu
11	MD Sabreela Tabassum	MD Sabreela Tabassum	MD Sabreela Tabassum	MD Sabreela Tabassum	MD Sabreela Tabassum	MD Sabreela Tabassum	MD Sabreela Tabassum	MD Sabreela Tabassum	MD Sabreela Tabassum	MD Sabreela Tabassum	MD Sabreela Tabassum
12	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha
13	P. Chaudhateja	P. Chaudhateja	P. Chaudhateja	P. Chaudhateja	P. Chaudhateja	P. Chaudhateja	P. Chaudhateja	P. Chaudhateja	P. Chaudhateja	P. Chaudhateja	P. Chaudhateja

[Signature]
Signature of the Lecturer

[Signature]
Signature of the Principal.

PRINCIPAL
YVNR Govt. Degree College,
KAIKALURU - 521 333, Eluru Dist

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU, KRISHNA (D)

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE ON FUNDAMENTALS OF MATHLAB

ATTENDANCE SHEET:

ACADEMIC YEAR : 2022-23

S. No.	NAME OF THE STUDENT	19/9	20/9	21/9	22/9	23/9	26/9	27/9	28/9	29/9	30/9
1	B. Naga Durga	Naga	Durga	Naga	Durga	Naga	Durga	Naga	Durga	Naga	Durga
2	Ch. Anura Tyothi	Ana	Ana	Ana	Ana	Ana	Ana	Ana	Ana	Ana	Ana
3	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha	T. Varsha
4	G. Sravan a deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi	G.S Deepthi
5	U. Yaseeb	U. Yaseeb	U. Yaseeb	U. Yaseeb	U. Yaseeb	U. Yaseeb	U. Yaseeb	U. Yaseeb	U. Yaseeb	U. Yaseeb	U. Yaseeb
6	Star in Sunak	Star	Star	Star	Star	Star	Star	Star	Star	Star	Star
7	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga	B. Naga Durga
8	P. Pooja	P. Pooja	P. Pooja	P. Pooja	P. Pooja	P. Pooja	P. Pooja	P. Pooja	P. Pooja	P. Pooja	P. Pooja
9	G. Lohitha	G. Lohitha	G. Lohitha	G. Lohitha	G. Lohitha	G. Lohitha	G. Lohitha	G. Lohitha	G. Lohitha	G. Lohitha	G. Lohitha
10	L. Eeswar Babu.	L. Eeswar Babu.	L. Eeswar Babu.	L. Eeswar Babu.	L. Eeswar Babu.	L. Eeswar Babu.	L. Eeswar Babu.	L. Eeswar Babu.	L. Eeswar Babu.	L. Eeswar Babu.	L. Eeswar Babu.
11	MD Sabeeha Tabassum	MD Sabeeha	MD Sabeeha	MD Sabeeha	MD Sabeeha	MD Sabeeha	MD Sabeeha	MD Sabeeha	MD Sabeeha	MD Sabeeha	MD Sabeeha
12	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha	P. Lalitha
13	P. Chandra Tija	P. Chandra Tija	P. Chandra Tija	P. Chandra Tija	P. Chandra Tija	P. Chandra Tija	P. Chandra Tija	P. Chandra Tija	P. Chandra Tija	P. Chandra Tija	P. Chandra Tija

Z. Gum Sultan
Signature of the Lecturer

M. Anas
Signature of the Principal.

PRINCIPAL
YVNR Govt. Degree College,
KAIKALURU - 521 333, Eluru Dist

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU, ELURU (D)

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE ON FUNDAMENTALS OF MATHLAB

ATTENDANCE SHEET:

ACADEMIC YEAR: 2022-23

S. No.	NAME OF THE STUDENT	21/8/23	22/8	23/8	24/8	25/8	26/8	29/8	31/8	1/9	2/9
14	N. Krishna	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs
15	K. Puthamma	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs
16	Y. Ramu	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs
17	V. Veera Venkat.	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs
18	G. B. S. Dingaprasad	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs
19	G. Jaya Sri	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs
20	K. Bhargavi	abs	abs	abs	abs	abs	abs	abs	abs	abs	abs
21											
22											
23											
24											
25											
26											

[Signature]
Signature of the Lecturer

[Signature]
Signature of the Principal.
PRINCIPAL
YVNR Govt. Degree College,
KAIKALURU - 521 333, Eluru Dist

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU, ELURU (D)

DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE ON FUNDAMENTALS OF MATHLAB

ATTENDANCE SHEET:

ACADEMIC YEAR: 2022-23

S. No.	NAME OF THE STUDENT	4/9/23	5/9	6/9	7/9	8/9	12/9	13/9	14/9	15/9	16/9
14	N. Krishna Kritika	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	K. Rukhama	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	G. Balu. Sai	G.P	G.P	G.P	G.P	G.P	G.P	G.P	G.P	G.P	G.P
17	G. Jayasri	G.P	G.P	G.P	G.P	G.P	G.P	G.P	G.P	G.P	G.P
18	v.veeravenkat	v.v	v.v	v.v	v.v	v.v	v.v	v.v	v.v	v.v	v.v
19	x.Ramu.	x.Ramu	x.Ramu	x.Ramu	x.Ramu	x.Ramu	x.Ramu	x.Ramu	x.Ramu	x.Ramu	x.Ramu
20	K.Bhasigavi	K.Bhasigavi	K.Bhasigavi	K.Bhasigavi	K.Bhasigavi	K.Bhasigavi	K.Bhasigavi	K.Bhasigavi	K.Bhasigavi	K.Bhasigavi	K.Bhasigavi
21											
22											
23											
24											
25											
26											

[Signature]
Signature of the Lecturer

[Signature]
Signature of the Principal.

PRINCIPAL
YVNR Govt. Degree College,
KAIKALURU - 521 333. Eluru Dist

Y.V.N.R GOVERNMENT DEGREE COLLEGE

KAIKALURU, ELURU (D)


DEPARTMENT OF MATHEMATICS

CERTIFICATE COURSE ON FUNDAMENTALS OF MATHLAB

ATTENDANCE SHEET:

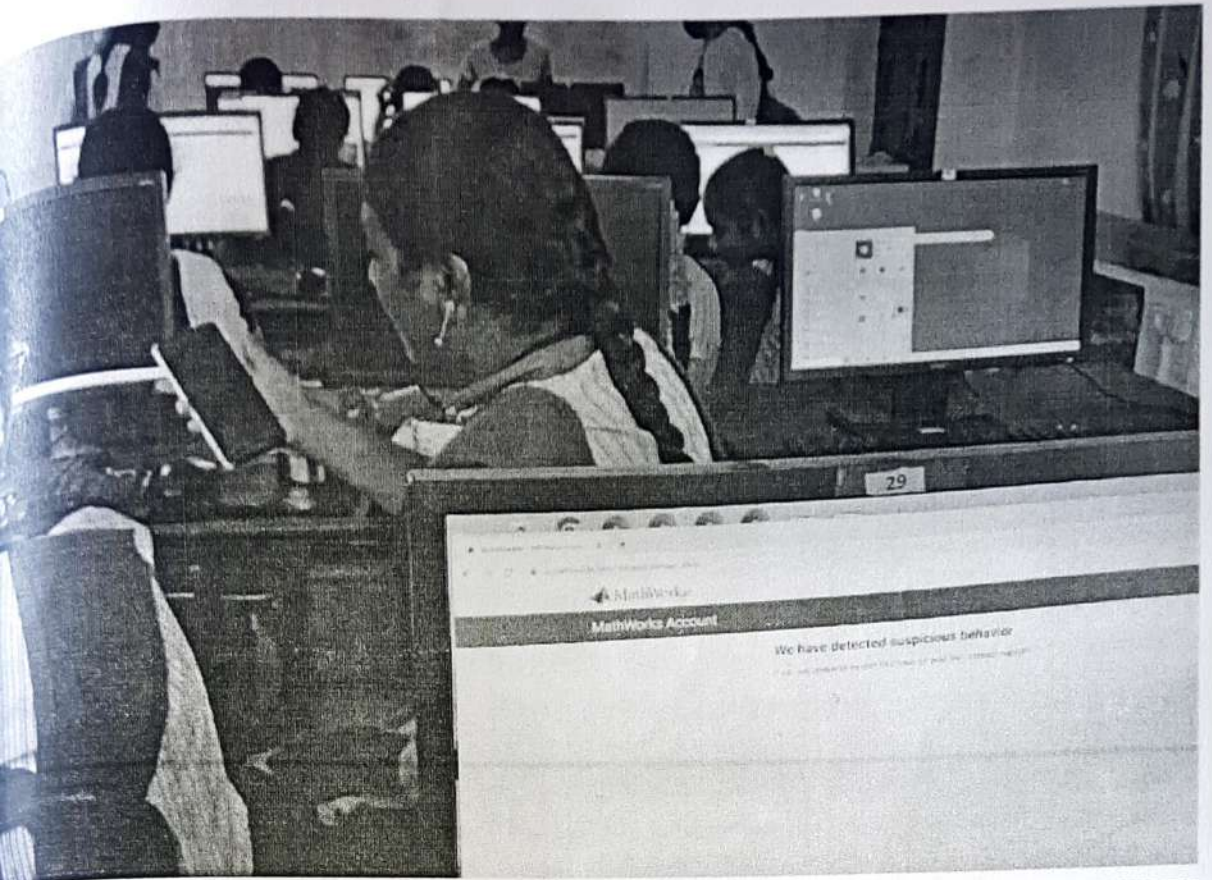
ACADEMIC YEAR: 2022-23

S. No.	NAME OF THE STUDENT	19/9	20/9	21/9	22/9	23/9	26/9	27/9	28/9	29/9	30/9
34	N. Krishna Kirithika	nk	nk	nk	nk	nk	nk	nk	nk	nk	nk
35	K. RUTHAMMA	K.Ruth	K.Ruth	K.Ruth	K.Ruth	K.Ruth	K.Ruth	K.Ruth	K.Ruth	K.Ruth	K.Ruth
36	v.veera venkat.	v.v.venkat	v.v.venkat	v.v.venkat	v.v.venkat	v.v.venkat	v.v.venkat	v.v.venkat	v.v.venkat	v.v.venkat	v.v.venkat
37	G. Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri
38	G. Jayasri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri	G.Sri
39	Y. Ramu	Y.Ramu	Y.Ramu	Y.Ramu	Y.Ramu	Y.Ramu	Y.Ramu	Y.Ramu	Y.Ramu	Y.Ramu	Y.Ramu
20	K. Bhargavi	K.Bhargavi	K.Bhargavi	K.Bhargavi	K.Bhargavi	K.Bhargavi	K.Bhargavi	K.Bhargavi	K.Bhargavi	K.Bhargavi	K.Bhargavi
21											
22											
23											
24											
25											
26											

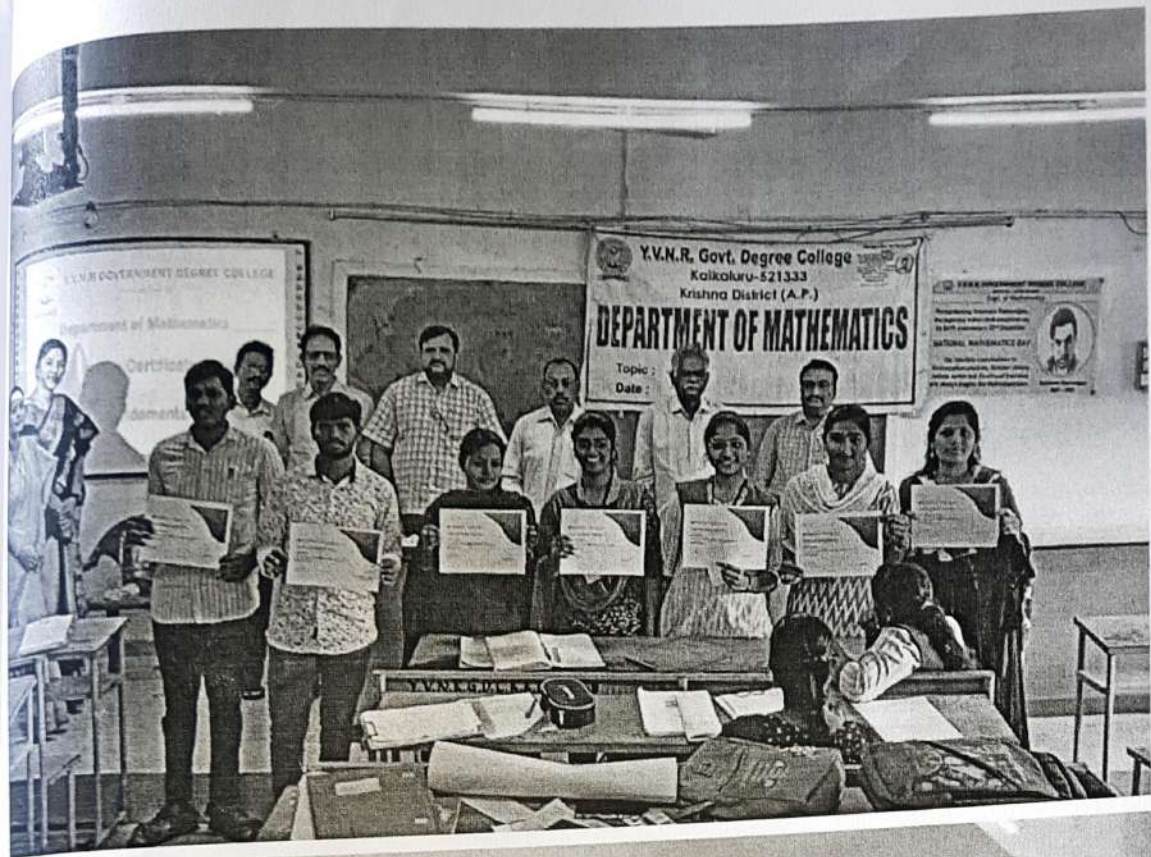

Signature of the Lecturer

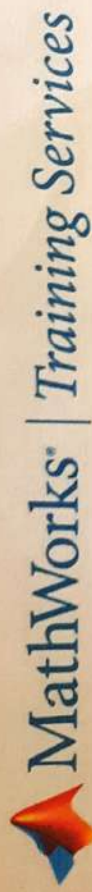

Signature of the Principal.

PRINCIPAL
YVNR Govt. Degree College,
KAIKALURU - 521 333, Eluru Dist.







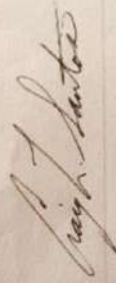


Course Completion Certificate

Nafeesa anjum

has successfully completed **100%** of the self-paced training course

MATLAB Onramp



DIRECTOR, TRAINING SERVICES

28 October 2023