About RCASC

Dr. M S Ramaiah, a visionary and philanthropist established "Gokula Education Foundation (GEF)", in the year 1962, to deliver education and healthcare for the betterment of mankind. Under the tutelage of GEF, Ramaiah college of Arts, Science and Commerce (RCASC) was established in 1994. RCASC is Re-accredited with "A" Grade by NAAC, permanently affiliated to Bangalore University (BU) and Bengaluru Central University, and approved by AICTE.

About the Department

The department was conventional in the year 2008, now offering under graduate course BSc in Electronics. The has well established spacious laboratories with advanced Electronic calibration systems with qualified faculties to provide good lab facility. The course syllabus followed BOS Electronics prescribed by the Bengaluru City University. The Department was recognized under DBT Star college Scheme-2020, Under these scheme various training courses is engaging in every year to prepare individuals who are technically sound and capable of fitting into the modern IT and Electronics environment in the present industry scenario.

About Training Program

- Students are capable to understand the concept of Matlab programing
- Students are understanding the simple mat lab code for Mathematical operations
- Interaction with mat lab environment
- Capable to write simple mat lab code for Mathematical operations
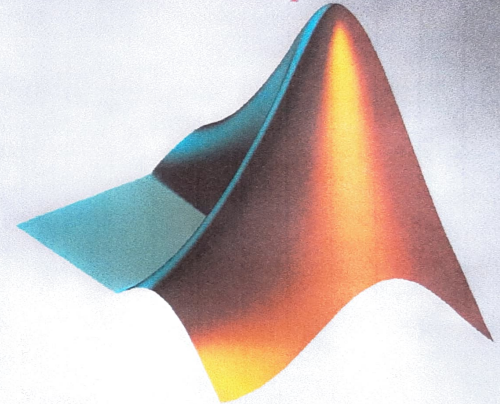- Each student will get the online course completion certificate from math work training service.

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Department of BioTechnology, Government of India

Hands on training program on "MATLAB onramp"

9/10/2023 to 12/10/2023.

Organized by:

Department of Electronics
(Under DBT Star college scheme)

M S Ramaiah college of Arts, Science and Commerce, Bangalore – 560054

Program Coordinator:
Mrs. Asharani.R
Assistant Professor,
Dept. of Electronics,
MSRCASC

All 3rd Semester [BSc-ECs] students can enrol for the program in Electronics Department

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Approved by Government of Karnataka, Approved by AICTE, New Delhi,
Recognized by UGC under 2f & 12B of UGC act 1956

MSRCASC/ELE_HT/2023-24/02

Date: 03/10/2023

CIRCULAR

The Department of Electronics is conducting hands on training program on **"Matlab onramp"** for 3rd semester students of BSc ECs 9/10/2023 to 12/10/2023 at 301 computer lab under the DBT star College scheme. The interested candidates can register your name in the Electronics Department.

HOD
HEAD OF THE DEPARTMENT
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Arts, Science & Commerce
M.S.R. Nagar, Bangalore-560 054

DBT Star College
Coordinator

CO-ORDINATOR
DBT-STAR COLLEGE SCHEME
M.S. Ramaiah College of Arts, Science & C...
MSRIT Post, MSR Nagar, Bangalore - ...

Principal
Principal,
M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054

Report on

Hands on training programme on "Mat lab onramp"

Date : 9/10/2023 to 12/10/2023

COURSE: BSc ECs 3rd SEMESTER.

Resource person: Mrs ASHARANI R

Venue: 301 COMPUTER LAB

Objectives:

- Make students to learn the basic MATLAB commands
- Make students to learn familiarise with the different windows of MATLAB
- Students are capable to write the simple MATLAB program to perform the mathematical operations

MATLAB is a multi-purpose mathematical computing environment used for various applications. Mat lab codes are useful to program the mathematical operations, signal processing, image processing and computer vision. The Fundamental skills in required for students to design any computational modules at various level is helps them in various Electronics field. The Department is identified this area to address the students by delivering a hands on training on MATLAB of 3 hours. Then students are instructed to write the mat lab code for simple mathematical operation to enhance the programming skills.

This student created their own account in the mathwork.com in order to start the course then all the students instructed to provide the appropriate data required to create the account. All the students are taken the course offered by the mathwork.com. the working MATLAB environment consisting of different windows for example command window, editor window, workspace.

Students started writing the codes initially on the command window, the different task like variable assignment, simple mathematical calculation, data handled etc.command window allow user to execute one line at a time. If we want to execute a program that performs a

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particular mathematical operation consisting of multiple lines is the challenging task hence students are instructed to use the script window or editor window. The guidelines for error messages and warning indicator are told to debug the program and to rectify the errors in the written program in the script window in the MATLAB environment.

Students are exposed for arrays in MATLAB environment viz creation of one dimensional and multidimensional vectors, array creation functions, indexing array elements, extracting multiple elements. Changing values in the array, operations on array, creating matrix of random variables.

The major application is MATLAB is to create the visualization of data so in this session students are instructed to practice some of the visual commands like plot, MATLAB uses the vector values as the y-axis data and sets the x-axis data to range from 1 to n (the number of elements in the vector). Some of the commands used for line width, colour of the graphs, labels for the graphs are discussed. Data interpretation is one of the important applications of MATLAB so next task we discussed was data handling in the MATLAB. The in charge teacher provides some practice exercise program for students and verified the output of the written code in mat lab environment

Outcome:

- Students learnt the MATLAB codes for basic mathematical operations
- Students are cable to write simple MATLAB programs for arrays, modification of array elements, indexing, vectors, data handling
- Students received the MATLAB onramp certificate from mathwork.com

Faculty in charge:
(Mrs Asharani R)

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Coordinator

CO-ORDINATOR
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Principal,
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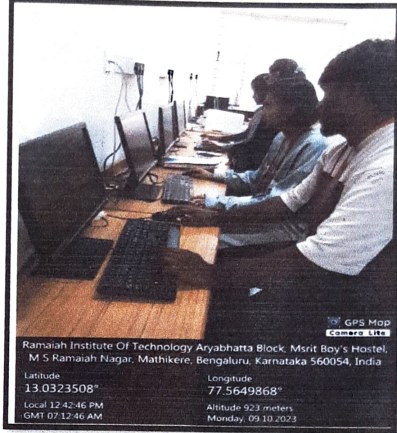*MSRIT Post, MSR Nagar*
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Photos of Hands on training program on "Mat lab onramp" for 3rd semester students of
BSc [ECs].

DATE: 9/10/2023 to 12/10/2023

PLACE: 301 Computer Lab , MS Ramaiah College Of Arts Science And Commerce.

Certificate:

Faculty incharge:
(Mrs Asharani R)

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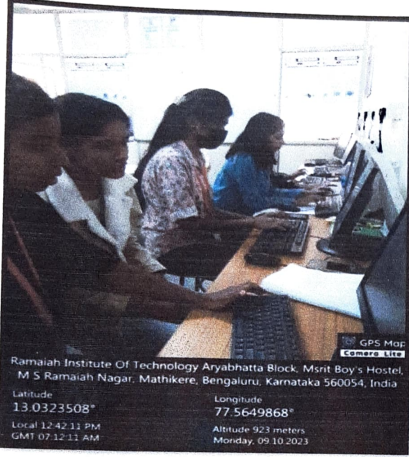MSRIT Post, MSR Nagar
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Hands on training program on "Mat lab onramp" for 3rd semester students of BSc [ECs].

Participant list

DATE: 9/10/2023 to 12/10/2023

PLACE: 301 Computer Lab , MS Ramaiah College Of Arts Science And Commerce.

Sl No:	Register Number	Student name	Signature of the student
1	U18EV22S0218	SHIVAM CHAUBEY	
2	U18EV22S0276	SHARATH KUMAR B	
3	U18EV22S0052	PAYAVULA SANATH VISHNU	
4	U18EV22S0219	HEMANTH S	
5	U18EV22S0061	NAYANA H L	
6	U18EV22S0062	SRIDHARAN ISHA	
7	U18EV22S0063	HARSHITH GOWDA M	
8	U18EV22S0220	M ROHINI	
9	U18EV22S0064	ANUSHA R	
10	U18EV22S0065	THRISHA N	
11	U18EV22S0066	T GOUTHAM KUMAR	
12	U18EV22S0231	PAVITHRA N	
13	U18EV22S0349	PAVAN KUMAR V	
14	U18EV22S0353	SANGEETHA R	
15	U18EV22S0362	SHREYA GONI	
16	U18EV22S0363	TEJASWINI S	
17	U18EV22S0373	SANJANA R	
18	U18EV22S0374	SARANYA M P	
19	U18EV22S0372	KEERTHI PRAHALAD K	
20	U18EV22S0365	R KRISHNA MURTHY	

Faculty incharge:
(Mrs Asharani R)

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Hands on training program on "Mat lab onramp" for 3rd semester
students of BSc [ECs].

FEEDBACK FORM

DATE: 9/10/2023 to 12/10/2023

PLACE: 301 Computer Lab, MS Ramaiah College Of Arts Science And Commerce.

Sl No:	Register Number	Student name	Feed Back	Signature of the student
1	U18EV22S0218	SHIVAM CHAUBEY	Satisfied	
2	U18EV22S0276	SHARATH KUMAR B	Satisfied	
3	U18EV22S0052	PAYAVULA SANATH VISHNU	Satisfied	
4	U18EV22S0219	HEMANTH S	Satisfied	
5	U18EV22S0061	NAYANA H L	good	
6	U18EV22S0062	SRIDHARAN ISHA	good	
7	U18EV22S0063	HARSHITH GOWDA M		
8	U18EV22S0220	M ROHINI	Satisfied	
9	U18EV22S0064	ANUSHA R	Satisfied.	
10	U18EV22S0065	THRISHA N	Satisfied	Thrisha.
11	U18EV22S0066	T GOUTHAM KUMAR		
12	U18EV22S0231	PAVITHRA N	Satisfied	Pavithra .N
13	U18EV22S0349	PAVAN KUMAR V	Good	
14	U18EV22S0353	SANGEETHA R	good	
15	U18EV22S0362	SHREYA GONI	Very Good	
16	U18EV22S0363	TEJASWINI S	very good	Samen R.
17	U18EV22S0373	SANJANA R	good	
18	U18EV22S0374	SARANYA M P	Very Good	
19	U18EV22S0372	KEERTHI PRAHALAD K	Very Good	
20	U18EV22S0365	R KRISHNA MURTHY	very Good	

Faculty Incharge:
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