RAMAIAH
College of Arts, Science
& Commerce - Autonomous

INSTITUTION'S
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ಎಮ್ ಎಸ್ ರಾಮಯ್ಯ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಕಾಲೇಜು
M S Ramaiah College of Arts, Science and Commerce
Re-accredited 'A' by NAAC, Permanently Affiliated to Bengaluru City University,
Approved by Government of Karnataka, Approved by AICTE, New Delhi,
Recognized by UGC under 2f & 12B of UGC act 1956

MSRCASC/EMCs_VAP/2025-26/01   **Date:** 12/08/2025

CIRCULAR

DEPARTMENT OF EMCs

The Department of B.Sc. EMCs conducting a value-added Program on

"Image Processing Applications Using MATLAB" from 18/08/2025 to

20/08/2025 for Fifth semester B.Sc. EMCs students.

HOD

Principal
M.S.Ramaiah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR Nagar
Bengaluru - 560 054

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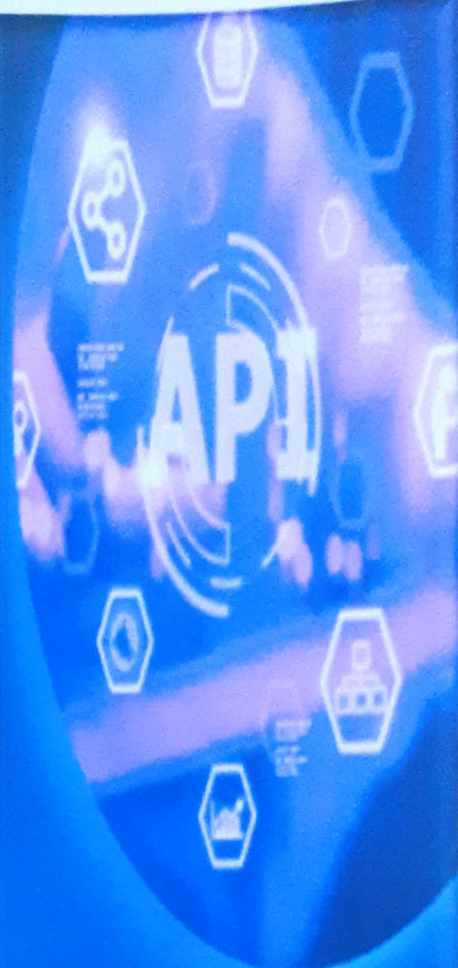(Ministry of Education Initiative)

DEPARTMENT OF EMCs

CONDUCTING A VALUE-ADDED PROGRAM

ON

"IMAGE PROCESSING APPLICATIONS USING MATLAB"

FROM 18/08/2025 TO 20/08/2025

FOR FIFTH SEMESTER B.Sc. EMCs STUDENTS.

Resource Person

Mr. Chetan Naik J.
Lead Application Engineer |
Embedded System Design
Ramaiah Skill Academy
(RSA)

Objectives

- To introduce fundamental concepts of Image Processing.

- To enable students to build mini-projects in Face Detection, Object Recognition, and Image Enhancement.

- To bridge the gap between academic knowledge and industry requirements.

Program Coordinator	HOD	Principal
Mrs. Asharani R	Mrs. Haritha A	Dr. Pushpa H

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Report of a Value-Added Program

on

"Image Processing Applications Using MATLAB"

Date: from 18/08/2025 to 20/08/2025

COURSE: B.Sc. EMCs 5ᵗʰ SEMESTER

Resource person: Mr. Chetan Naik J.

Lead Application Engineer Embedded System Design

Ramaiah Skill Academy (RSA)

Venue: Computer Lab 411

Objectives:

- To introduce fundamental concepts of Image Processing.
- To enable students to build mini-projects in Face Detection, Object Recognition, and Image Enhancement.
- To bridge the gap between academic knowledge and industry requirements.

Department of EMCS conducting a value-added Program on "Image Processing Applications Using MATLAB" from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

The three-day Value-Added Program on "Image Processing Applications Using MATLAB" was meticulously designed to provide students with a balanced blend of theoretical foundations and hands-on practical exposure

On Day 1 (18th August 2025), the sessions commenced with an introduction to the MATLAB environment and its specialized toolboxes, enabling students to navigate and utilize the platform effectively. This was followed by an in-depth overview of image representation, covering pixel structures, grayscale, and color images. Students practiced essential operations such as reading, writing, resizing, and displaying images, while also exploring fundamental image transformations including rotation, scaling, and intensity adjustments, thereby gaining confidence in handling digital images.

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On Day 2 (19th August 2025), the emphasis shifted towards image enhancement and feature extraction. Participants delved into techniques such as contrast stretching, histogram equalization, and filtering methods in both spatial and frequency domains. They applied noise removal and sharpening filters, and learned the implementation of edge detection methods using operators like Sobel, Prewitt, and Canny. The carefully designed hands-on sessions provided an opportunity to practically apply these concepts, reinforcing their understanding of image analysis techniques.

On Day 3 (20th August 2025), advanced topics were introduced, with discussions on image segmentation, thresholding methods, and morphological operations. Real-world case studies and applications were showcased, illustrating how image processing is widely used in fields such as medical imaging, security, and computer vision. To consolidate their learning, students presented mini-project demonstrations where they applied the techniques covered during the program. The final session concluded with an interactive Question & Answer, reflective discussions, and feedback collection, making the program an enriching and impactful learning experience for all participants.

The Value-Added Program on "Image Processing Applications Using MATLAB" successfully achieved its objectives by enriching students with advanced technical knowledge and practical skills. The Department of EMCS extends sincere gratitude to the Management, Principal, Faculty Members, and Resource Person Mr. Chethan Naik for their support in making the program a success.
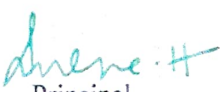
Outcome:

- Students gained hands-on exposure to MATLAB for image processing.
- Improved understanding of digital image enhancement, segmentation, and feature extraction.
- Ability to apply image processing techniques for solving real-world problems.
- Encouragement towards research projects and higher studies in image processing and related fields.

Program Coordinator
Mrs. Asharani R

HOD
Mrs. Haritha A

Principal
Dr. Pushpa H
M.S.Ramaiah College of Arts, Science &
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MSRIT POST, MSR Nagar
Bengaluru - 560 054

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Photos of a Value-Added Program
on
"Image Processing Applications Using MATLAB"

Program Coordinator	HOD
Mrs. Asharani R	**Mrs. Haritha A**

Principal
M.S.Ramaiah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR Nagar
Bengaluru - 560 054

Dr. Pushpa H

M S Ramaiah college of Arts Science and Commerce

Value-Added Program

on

"Image Processing Applications Using MATLAB"

from 18/08/2025 to 20/08/2025- Attendance Sheet

COURSE: B.Sc. Computer Science

V SEMESTER BSC[EMCS]

S	REGISTER NUMBER	STUDENT NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1.	U18EV23S0002	ALEENA JAISON																														
2.	U18EV23S0096	NANDITHA P S																														
3.	U18EV23S0097	KAUSHIK V JAIN																														
4.	U18EV23S0098	RENUKA THARUN K																														
5.	U18EV23S0099	DEVARAJ V																														
6.	U18EV23S0100	R VENKATESHWAR RAO POLE																														

S.No	Roll Number	Name
7.	U18EV23S0113	AASHIK KUMAR
8.	U18EV23S0122	RADHIKA H
9.	U18EV23S0133	KESHAB POUDYAL
10.	U18EV23S0153	RITIK PRASAD
11.	U18EV23S0160	MADHAV CHAITANYA DAS
12.	U18EV23S0163	NAVEEN S
13.	U18EV23S0168	TEJASHWINI N
14.	U18EV23S0177	KAVYA M R
15.	U18EV23S0161	PERUGU DIWAKAR REDDY
16.	U18EV23S0070	DHRUV JOSHI
17.	U18EV23S0071	HAFEEZA TAJ

No.	Reg. No.	Name
18.	U18EV23S0072	ABHISHEK SUTHAR
19.	U18EV23S0103	NAVEEN B
20.	U18EV23S0176	ANANYA PANDEY
21.	U18EV23S0167	CHAYA RANI A V
22.	U18EV23S0074	VISMAY RAO B N
23.	U18EV23S0094	RAKSHITHA P
24.	U18EV23S0154	AYESHA PATEL
25.	U18EV23S0181	SMIRTI KUMARI
26.	U18EV23S0179	NISHMETHA
27.	U18EV23S0095	DEEPAK RAJ M
28.	U18EV23S0162	JAYALAKSHMI
29.	U18EV23S0093	HEMILA M

No.	Reg. No.	Name																							
30.	U18EV23S0178	GOWTHAM P N																							
31.	U18EV23S0107	VARUN N G																							
32.	U18EV23S0104	M SIREESHA																							
33.	U18EV23S0076	GUGUDU VANDANA																							
34.	U18EV23S0073	ANAGHA K																							
35.	U18EV23S0164	THIMMAPURAM SUDHAKAR GARI ANJAN KUMAR																							
36.	U18EV23S0111	AYUSH M																							
37.	U18EV23S0384	SANIYA SOOSNA BINU																							

Program Coordinator
Mrs. Asharani R

HOD
Mrs. Haritha A

Principal
Dr. Pushpalatha
M.S.Ramaiah College of Arts, Science & Commerce-Autonomous
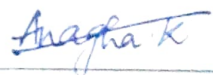MSRIT POST, MSR Nagar
Bengaluru - 560 054

FEEDBACK

A value-added Program on **"Image Processing Applications Using MATLAB"** from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: Naveen·B	Department: BSC - ECS

Email ID: naveenbasavarajachar25@g mail com	Phone No. 9980488708

Name of the Institution: MSRCASC

Branch of study: ECS   Graduating Year: 2026   Semester: 5th Sem

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content				✓
Course Delivery				✓
Hands-on session				✓

What in your view will further enhance your learning experience

Data Analyst

Naveen·B

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on **"Image Processing Applications Using MATLAB"** from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: Abhishek Suthay	Department: BSC - ECS

Email ID: abhisheksuthay3212@gmail.com	Phone No. 9119182287

Name of the Institution: MSRCASC

Branch of study: ECS   Graduating Year: 2026   Semester: 5th sem

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content				✓
Course Delivery				✓
Hands-on session				✓

What in your view will further enhance your learning experience

Fut/ Computer vision

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on **"Image Processing Applications Using MATLAB"** from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: JAYALAKSHMI	Department: BSC EMCS
Email ID: vedikarg@gmail.com	Phone No. 9019815455

Name of the Institution: MS RAMAIAH COLLEGE OF ARTS, SCIENCE & COMMERCE

Branch of study: EMCS	Graduating Year: 2026	Semester: 5th sem

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content				✓
Course Delivery				✓
Hands-on session				✓

What in your view will further enhance your learning experience

COMPUTER VISION

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on **"Image Processing Applications Using MATLAB"** from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: ANAGHA·K	Department: BSc [EMCS]
Email ID: anaghakavu@gmail.com	Phone No. 9019049979

Name of the Institution: MS RAMAIAH COLLEGE OF ARTS, SCIENCE AND COMMERCE

Branch of study: ECs	Graduating Year: 2026	Semester: 5th sem

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content				✓
Course Delivery				✓
Hands-on session				✓

What in your view will further enhance your learning experience

Extent worshops for a week

Anagha K

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on **"Image Processing Applications Using MATLAB"** from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: Nanditha.PS	Department: BSc [MCs]
Email ID: nandithaps7@gmail.com	Phone No. 8431374835
Name of the Institution: MSRCASC	

Branch of study: BSc   Graduating Year: 2026   Semester: V

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content			✓	
Course Delivery			✓	
Hands-on session				✓

What in your view will further enhance your learning experience

We would love to have more workshops like AI/ML

Would you recommend this workshop to others: Yes /No

Nanditha.PS

FEEDBACK

Name: Aleena Jaison	Department: BSc [MCs]
Email ID: aleenajaison175@gmail.com	Phone No. 9606674575
Name of the Institution: MSRCASC	

Branch of study: BSc   Graduating Year: 2026   Semester: V

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content			✓	
Course Delivery			✓	
Hands-on session				✓

What in your view will further enhance your learning experience

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on "Image Processing Applications Using MATLAB" from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: Keshab Poudyal

Email ID: poudyalkeshab0@gmail.com

Department: EMCs

Phone No. 8597283935

Name of the Institution: MSRCASC

Branch of study: MCs

Graduating Year: 2026

Semester: V^th Sem

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content			✓	
Course Delivery			✓	
Hands-on session			✓	

What in your view will further enhance your learning experience

About more practical practices would be better.

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on "Image Processing Applications Using MATLAB" from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: Devaraj .V

Email ID: devrajdev1330@gmail.com

Department: Bsc (MCs)

Phone No. 9980695890

Name of the Institution: MSRCASC

Branch of study: BSC (MCs)

Graduating Year: 2026

Semester: 5th.

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content			✓	
Course Delivery			✓	
Hands-on session			✓	

What in your view will further enhance your learning experience

Good

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on **"Image Processing Applications Using MATLAB"** from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: Ritik Prasad	Department: BSC EMCS
Email ID: ritik.prasadis10@gmail.com	Phone No. 9900437085

Name of the Institution: MSRCASC

Branch of study: Bsc-MCS Graduating Year: 2026   Semester: V

Rate the Following based on your experience during the program: ★★★★/5

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content	✓			
Course Delivery			✓	
Hands-on session			✓	

What in your view will further enhance your learning experience
To create a project in this program which solve real world problem

Would you recommend this workshop to others: Yes /No

Ritik Prasad

FEEDBACK

A value-added Program on **"Image Processing Applications Using MATLAB"** from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: Naveen. S	Department: Bsc EMCS
Email ID: Naveenappu7107@gmail.com	Phone No. 9008934403

Name of the Institution: MSRCASC

Branch of study: Bsc-MCS Graduating Year: 2026   Semester:

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content		✓		
Course Delivery			✓	
Hands-on session				✓

What in your view will further enhance your learning experience
Good

Would you recommend this workshop to others: Yes /No

Naveen S

FEEDBACK

A value-added Program on **"Image Processing Applications Using MATLAB"** from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: JAYALAKSHMI

Department: BSc EMCS

Email ID: vedikarg@gmail.com

Phone No. 9019815455

Name of the Institution: MS RAMAIAH COLLEGE OF ARTS, SCIENCE & COMMERCE

Branch of study: EMCS

Graduating Year: 2026

Semester: 5th sem

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content				✓
Course Delivery				✓
Hands-on session				✓

What in your view will further enhance your learning experience

COMPUTER VISION

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on **"Image Processing Applications Using MATLAB"** from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: ANAGHA·K

Department: BSc [EMCS]

Email ID: anaghakavu@gmail.com

Phone No. 9019049979

Name of the Institution: MS RAMAIAH COLLEGE OF ARTS, SCIENCE AND COMMERCE

Branch of study: ECs

Graduating Year: 2026

Semester: 5th sem

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content				✓
Course Delivery				✓
Hands-on session				✓

What in your view will further enhance your learning experience

Extent workshops for a week

Anagha·K

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on "**Image Processing Applications Using MATLAB**" from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: HEMILA M		
Email ID: hemilav @ hotmail.com	Department: BSC	
Name of the Institution: MSRCASC	Phone No. 8073920076	
Branch of study: EMCS Graduating Year: 2026	Semester: V	

Rate the Following based on your experience during the program:

Attribute	Satisfactory	Good	Very Good	Excellent
Course Content			✓	
Course Delivery			✓	
Hands-on session			✓	

What in your view will further enhance your learning experience

for more workshops for students. AI & ML. would enourage ~~

Would you recommend this workshop to others: Yes /No

FEEDBACK

A value-added Program on "**Image Processing Applications Using MATLAB**" from 18/08/2025 to 20/08/2025 for Fifth semester B.Sc. EMCs students.

Name: NISHMETHA		
Email ID: nishmutha831 @gmail.com	Department: BSc [ECs]	
Name of the Institution: MSRCASC	Phone No. 9880733564	
Branch of study: ECs Graduating Year: 2026	Semester: V	

Rate the Following based on your experience during the program:

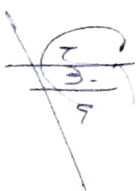| Attribute	Satisfactory	Good	Very Good	Excellent
Course Content			✓	
Course Delivery			✓	
Hands-on session			✓	

What in your view will further enhance your learning experience

more practical sessions with interactive conversations

Would you recommend this workshop to others: Yes /No

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(Ministry of Education Initiative)

RAMAIAH
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Certificate of Participation

This is to certify that **GUGUDU VANDANA** successfully completed the Value-Added Program on **"Image Processing Applications Using MATLAB"** organised by Department of EMCs of M S Ramaiah College of Arts, Science & Commerce from 18th August 2025 to 20th August 2025.

Dr. T. N. Srikantha Dath
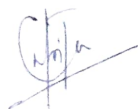Director, RSA

Mrs. Asharani R
Program Coordinator

Mrs. Haritha A
HOD

Dr. Pushpa H
Principal

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(Ministry of Education Initiative)

RAMAIAH
SKILL ACADEMY

Certificate of Participation

This is to certify that **DHRUV JOSHI** successfully completed the Value-Added Program on

"Image Processing Applications Using MATLAB" organised by Department of EMCs of M S

Ramaiah College of Arts, Science & Commerce from 18th August 2025 to 20th August 2025.

Dr. T. N. Srikantha Dath	**Mrs. Asharani R**	**Mrs. Haritha A**	**Dr. Pushpa H**
& RSA	Program Coordinator	HOD	Principal

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SKILL ACADEMY

Certificate of Participation

This is to certify that **ABHISHEK SUTHAR** successfully completed the Value-Added Program

on **"Image Processing Applications Using MATLAB"** organised by Department of EMCs of M S

Ramaiah College of Arts, Science & Commerce from 18th August 2025 to 20th August 2025.
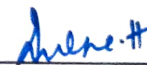
Dr. T. N. Srikantha Dath
Director, RSA

Mrs. Asharani R
Program Coordinator

Mrs. Haritha A
HOD

Dr. Pushpa H
Principal

Certificate of Participation

This is to certify that **R VENKATESHWAR RAO POLE** successfully completed the Value-Added Program on **"Image Processing Applications Using MATLAB"** organised by Department of EMCs of M S Ramaiah College of Arts, Science & Commerce from 18th August 2025 to 20th August 2025.

Dr. T. N. Srikantha Dath	Mrs. Asharani R	Mrs. Haritha A	Dr. Pushpa H
Director, RSA	Program Coordinator	HOD	Principal