



RAMAIAH
College of Arts, Science &
Commerce

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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



(National Institutional Ranking Framework, Ministry of Education, Govt of India)

Ranked 62nd in NIRF India Ranking by MHRD, New Delhi

DBT Star College Scheme

Ref. No.: **MSRCASC/Chem-Bio/2022-23/008**

Date: 23-07-2022

CIRCULAR

Department of Chemistry & Biochemistry is organizing a value-added program on "Immunohistochemistry, FISH and Karyotyping Techniques" for M. Sc Biochemistry students from 26th to 29th July, 2022.

Resource Persons:

1. Prof. Vijaya V. Mysorekar

Department of Pathology & Central Research Laboratory,
M.S.R.M.C.H

2. Mr. Jaikumar R

Laboratory Technologist,
Central Research Laboratory
M.S.R.M.C.H

3. Ms. Drisya Udayan,

Jr. Cytogenetist,
Central Research Laboratory,
M.S.R.M.C.H

Venue:

Pathology Department/Central Research Laboratory

Coordinator:

1. Dr. Vasanth K Bhaskara Ph. D
R.C.A.S.C

2. Prof. Vijaya V. Mysorekar M.D
M.S.R.M.C.H

S.G.
Head
Department of Chemistry & Biochemistry

23/07/22
Principal,

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



RAMAIAH

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Commerce



RAMAIAH

Medical College

M.S Ramaiah College of Arts, Science and Commerce

Department of Chemistry & Biochemistry

(In association with)

M.S Ramaiah Medical College & Hospitals

Pathology Department & Central Research Laboratory

Organizing A Value Added Program

On

“Immunohistochemistry, FISH and Karyotyping Techniques”

From: 26-07-2022 to 29-07-2022

Venue: Pathology Department & Central Research Laboratory
M.S Ramaiah Medical College & Hospitals

Program Coordinators

- Dr. Vasanth K Bhaskara Ph.D (M.S.R.C.A.S.C)
- Prof (Dr.) Vijaya V. Mysorekar (M.S.R.M.C.H)

Organizers

Prof (Dr.) Mangala Gowri, HoD (M.S.R.M.C.H)

Prof (Dr.) Vijaya V. Mysorekar (M.S.R.M.C.H)

Mr. Prasanna Kumar, HoD (M.S.R.C.A.S.C)

Dr. Vasanth K Bhaskara, (M.S.R.C.A.S.C)

Dr. Krishna Rao Jagarlamudi, (M.S.R.C.A.S.C)

Mr. Surendra A S (M.S.R.C.A.S.C)



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College of Arts, Science &
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Department of Chemistry & Biochemistry

(in association with)

Pathology Department & Central Research Laboratory

M.S Ramaiah Medical College & Hospitals

Organizing A Value Added Program on

“Immunohistochemistry, FISH and Karyotyping Techniques”

About MSRCASC:

MS Ramaiah College of Arts, Science and Commerce has been established in 1994 under the umbrella of Gokula Education Foundation (GEF) trust. RCASC is Re-accredited with “A” grade by NAAC, permanently affiliated to BCU, approved by AICTE and received all India 55th rank in nerved for the year 2022.

PROGRAM OBJECTIVE:

- To get M.Sc Biochemistry students hands-on experience
- To motivate students by learning frontier techniques apart from regular academics
- To orient students about the applications and job prospects of these techniques

PROGRAM OUTCOMES:

- This program nurture the students with skill and knowledge
- Interaction with experts can give students clarity about their job roles in hospitals
- Motivation can help students to perform better in their regular academics

Program Coordinators: Dr. Vasanth K Bhaskara (MSRCASC) and Prof (Dr.) Vijaya V. Mysorekar (MSRMCH)

PATRONAGE

Dr. M R Jayaram,

Chairman, GEF

Shri M R Janakiram,

Hon'ble Director, GEF

Shri M R Kodandaram,

Hon'ble Director, GEF

Shri B S Ramaprasad (Rtd. IAS),

Chief Executive Officer (Gen Sci., GEF)

Shri G Ramachandra,

Chief of Finance (Gen Sci., GEF)

Prof. B.S Jayaram

I/C Principal, M.S.R.C.A.S.C

ORGANIZING COMMITTEE

Prof (Dr.) Mangala Gowri

Head of the Pathology Department, M.S.R.M.C.H

Prof (Dr.) Vijaya V. Mysorekar

Head of Central Research Laboratory, M.S.R.M.C.H

Mr. Prasanna Kumar S G,

Head of the Chemistry & Biochemistry Department,
M.S.R.C.A.S.C

Dr. Vasanth Kumar Bhaskara,

Assistant Professor, M.S.R.C.A.S.C

Dr. Krishna Rao Jagarlamudi,

Assistant Professor, M.S.R.C.A.S.C

Mr. Surendra A. S,

Assistant Professor, M.S.R.C.A.S.C

Registration: M.S.R.C.A.S.C Sponsored



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(National Institutional Ranking Framework, Ministry of Education, Govt of In
Ranked 62nd in NIRF India Ranking by MHRD, New Delhi
DBT Star College Scheme

Event completion report

SECTION A: Event Details

Event	VALUE ADDED PROGRAM
Starting date of event	26 th July, 2022
Duration of event (in days)	FOUR DAYS
Name of the event organizing department	Department of Chemistry & Biochemistry
Sponsor of the event	MSRCASC
Number of participants	28
Committee members	Prof (Dr.) Mangala Gowri (M.S.R.M.C.H) Prof (Dr.)Vijaya V. Mysorekar (Coordinator, M.S.R.M.C.H) Mr. Prasanna Kumar S G (HoD, M.S.R.C.A.S.C) Dr. Vasanth K Bhaskara (Coordinator, M.S.R.C.A.S.C) Dr. Krishna Rao (M.S.R.C.A.S.C) Mr. Surendra A S (M.S.R.C.A.S.C)
Chief Guest / Guest of Honor	NONE
Name of the speakers with affiliation	Prof. Vijaya V Mysorekar (Coordinator, M.S.R.M.C.H) Technical Staff – Mr. Jai Kumar R Ms. Drisya Udayan

M S Ramaiah Nagar
MSRIT Post
Bangalore 560 054

T +91 80 2360 0966/8597
+91 80 2360 6905
F +91 80 2360 6213

E principal.msrmcasc@gmail.com
W www.msrmcasc.edu.in



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Department of Chemistry & Biochemistry

Report on Value Added Program on

“Immunohistochemistry, Karyotyping and FISH Techniques”

Number of participants: 14 (II Sem) + 14 (IV Sem) = 28 Nos.

Date(s): 26-07-2022 To 29-07-2022

Time: 09.00 a. m to 05.00 p. m

Venue: Pathology Department/Central Research Laboratory, M.S.R.M.C.H

Program objective:

Department of chemistry & biochemistry is conducting a value-added program for PG students on “Immunohistochemistry, Karyotyping and FISH Techniques” in collaboration with Department of Pathology/Central Research Laboratory, M.S.R.M.C.H, Bengaluru.

Main objectives of the program include:

- To get M.Sc Biochemistry students hands-on experience
- To motivate students by learning frontier techniques apart from regular academics
- To orient students about the applications and job prospects of these techniques

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MSRIT Post
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T +91 80 2360 0966/8597
+91 80 2360 6905
F +91 80 2360 6213

E principal.msrmcasc@gmail.com
W www.msrmcasc.edu.in

Program Outcomes:

Ramaiah college campus with multiple institutes and programs is an important strength to have resource sharing for the benefit of students. Students through this program are getting the opportunity to practically observe their classroom observation under real practical situations.

Important Outcomes expected from this program:

- This program nurtures the students with skill and knowledge
- Interaction with experts can give students clarity about their job roles in hospitals
- Motivation can help students to perform better in their regular academics

Event Description:

Program started with theoretical sessions of respective techniques in the morning as the first activity by Prof. Vijaya V. Mysorekar. Students, after acquiring the theoretical observations during lecture sessions could translate into practical observations during the hands-on training and practical sessions. Mr. Jai Kumar R and Ms. Drisya Udayan are the technical assistants given practical training to the students. Human breast cancer tissue biopsies have been used for practicals to demonstrate from the processing step to tissue cutting by microtome followed by fluorescence *in situ* hybridization (FISH) to check HER2 amplification, immunohistochemistry (IHC).

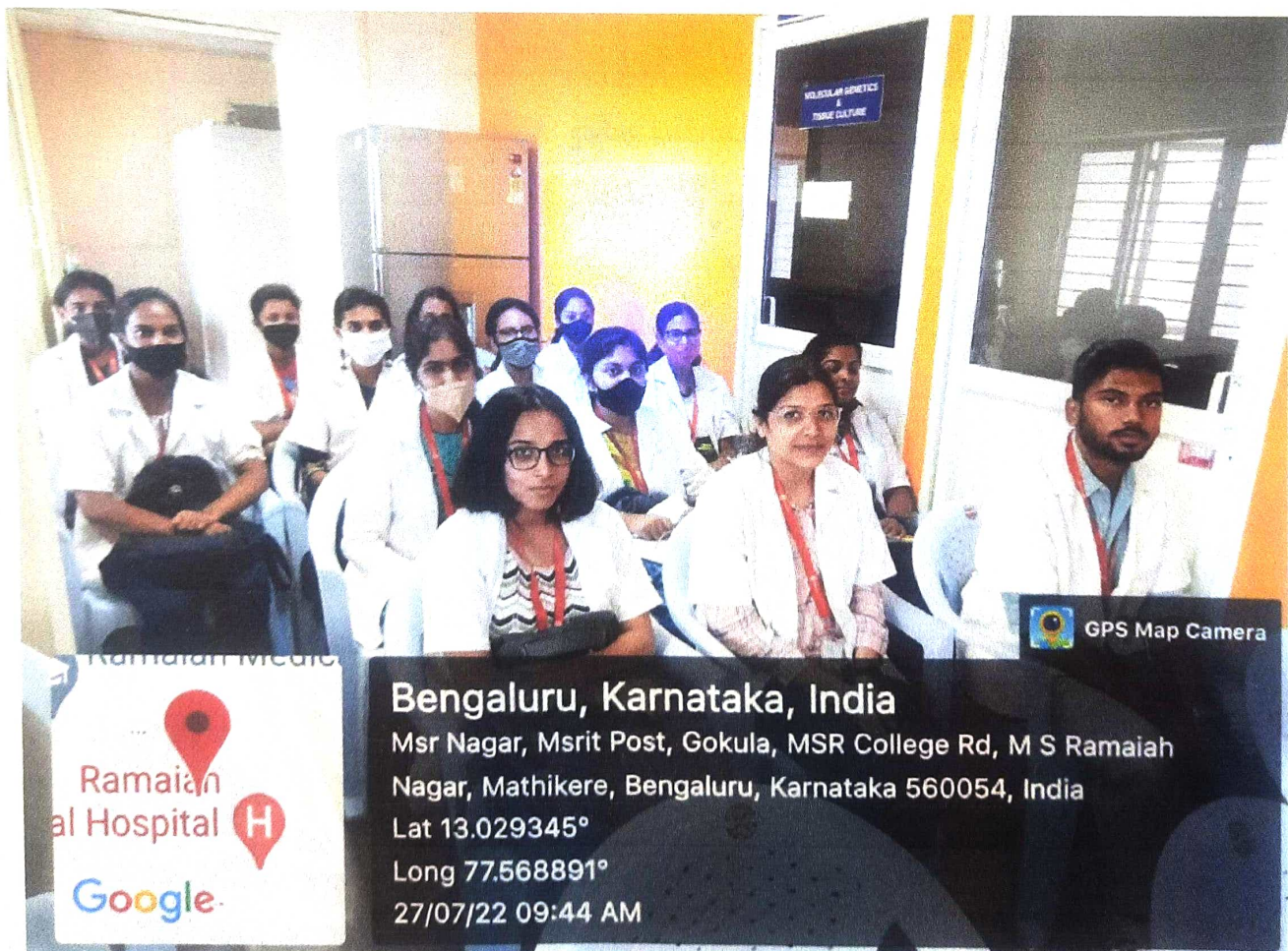
Next day is started with lecture sessions related to karyotyping of amniotic fluid to determine the number and anomaly of the chromosome in the samples.

Students could understand the abnormal karyotype in amniotic fluid samples of abnormal and normal pregnant women.

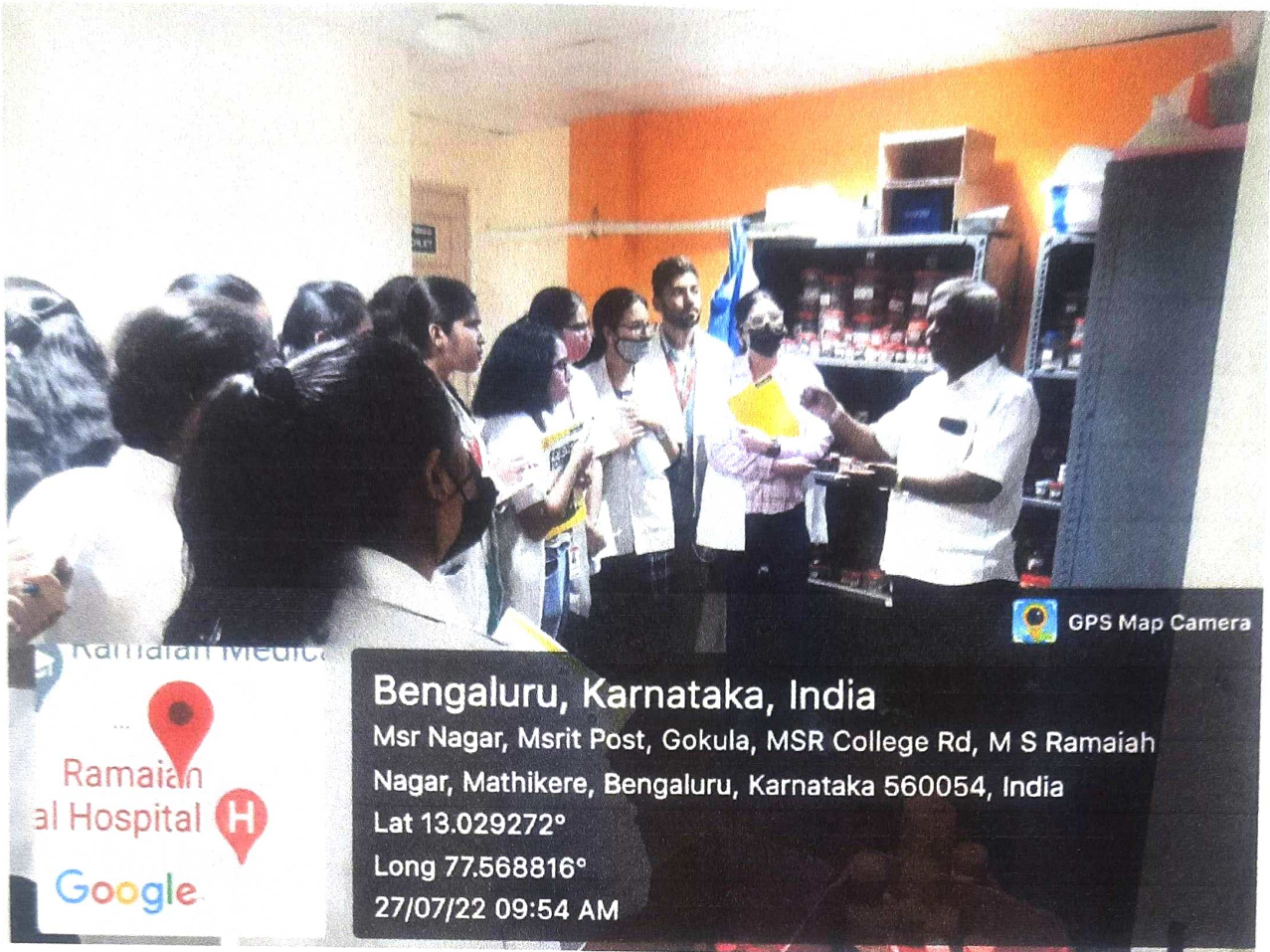
Both coordinators including Dr. Vasanth K Bhaskara (M.S.R.C.A.S.C) and Prof. Vijaya V. Mysorekar (M.S.R.M.C.H) have monitored the student regularity in attending the sessions and evaluated by conducting the quiz at the end of the program.

This program could motivate students and acquire new skills that are required for their further academics and used in hospitals. This exposure can help them to continue related work as research associate, in their Ph. D or in hospital jobs.

Geo-Tag Photographs of the program:



Photograph:Students attending theory sessions of Prof. Vijaya V. Mysorekar



Photograph: Mr. Jai Kumar R, giving instructions related to methodology



Photograph: Students observing the FISH/IHC results on the projector



Photograph: Students group photograph with Ms. Drisya Udayan



Photograph: Group photo with Prof. Vijaya V Mysorekar



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Department of Chemistry & Biochemistry
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Pathology Department & Central Research Laboratory

Value Added Program On: **Immunohistochemistry, FISH and Karyotyping Techniques”**
From: 26-07-2022 to 29-07-2022 (Total Hours: 4 X 8 hrs from 9.00 am to 5.00 pm = 32 hrs)

Students: M. Sc Biochemistry IV sem.

#	Name of the Student	Reg. No	26-07-2022 Forenoon	26-07-2022 Afternoon	28-07-2022 Forenoon	28-07-2022 Afternoon	Evaluation (10 Marks)	SIGNATURE
1	Abhigna	BC200001	✓	✓	✓	✓	07	Abhigna
2	Amrutha D S	BC200002	✓	✓	✓	✓	04	Amrutha D S
3	Arpitha Francis	BC200003	✓	✓	✓	✓	07	Arpitha Francis
4	Chaithra.N	BC200004	✓	✓	✓	✓	04	Chaithra.N
5	Haripriya M	BC200005	✓	✓	✓	✓	07	Haripriya M
6	Jeevitha.S	BC200006	✓	✓	✓	✓	05	Jeevitha.S
7	Kavana U	BC200007	✓	✓	✓	✓	05	Kavana U
8	Mahathi R Achar	BC200008	✓	✓	✓	✓	07	Mahathi R Achar
9	Neha Chakraborty	BC200009	✓	✓	✓	✓	07	Neha Chakraborty
10	Saamiha Hussain	BC200010	✓	✓	✓	✓	08	Saamiha Hussain
11	Swapna M A	BC200011	✓	✓	✓	✓	09	Swapna M A
12	Usha Aishwarya M S	BC200012	✓	✓	✓	✓	07	Usha Aishwarya M S
13	Vidya R	BC200013	✓	✓	✓	✓	04	Vidya R
14	Yeshaswini.P.B	BC200014	✓	✓	✓	✓	07	Yeshaswini.P.B



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Department of Chemistry & Biochemistry
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Pathology Department & Central Research Laboratory

Value Added Program On: **Immunohistochemistry, FISH and Karyotyping Techniques**
From: **26-07-2022 to 29-07-2022 (Total Hours: 4 X 8 hrs from 9.00 am to 5.00 pm = 32 hrs)**

Students: M. Sc Biochemistry II sem.

#	Name of the Student	Reg. No	27-07-2022 Forenoon	27-07-2022 Afternoon	29-07-2022 Forenoon	29-07-2022 Afternoon	Evaluation (10 Marks)	SIGNATURE
1	Nalina T R	P18EV21S0001	✓	✓	✓	✓	08	Nalina.T.R.
2	Kajal Cheyanda Thimmaiah	P18EV21S0002	✓	✓	✓	✓	07	Kajal
3	Ganashree S	P18EV21S0003	✓	✓	✓	✓	08	Ganashree
4	Harini N	P18EV21S0007	✓	✓	✓	✓	07	Harini N
5	Shikha Pavankumar Ranjolkar	P18EV21S0008	✓	✓	✓	✓	07	Shikha
6	Navyashree N V	P18EV21S0009	✓	✓	✓	✓	08	Navyashree
7	Bidisha Das	P18EV21S0010	←	ABSENT	←	←	←	Bidisha
8	Akshita M	P18EV21S0011	✓	✓	✓	✓	05	Akshita M
9	Harshitha M	P18EV21S0013	✓	✓	✓	✓	07	Harshitha
10	Kavya S V	P18EV21S0014	✓	✓	✓	✓	08	Kavya S V
11	Meghana V R	P18EV21S0019	✓	✓	✓	✓	07	Meghana V R
12	Gaganashree H P	P18EV21S0038	✓	✓	✓	✓	07	Gaganashree H P
13	Apoorva T M	P18EV21S0044	✓	✓	✓	✓	05	Apoorva T.M.
14	Chandana A	P18EV21S0047	✓	✓	✓	✓	05	Chandana.A
15	Prajwal N	P18EV21S0139	✓	✓	✓	✓	06	Prajwal.N



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Certificate of Participation

This Certificate is presented to

MEGHANA VR

of M.S. Ramaiah College of Arts, Science and Commerce for successfully attending the value-added program on "*Immunohistochemistry, FISH and Karyotyping Techniques*" which was organized by Department of Chemistry/Biochemistry, M. S. Ramaiah College of Arts, Science and Commerce, Bengaluru in collaboration with Department of Pathology & Central Research Laboratory, M.S Ramaiah Medical College & Hospitals from 26th – 29th July 2022.

Dr. Vasanth K Bhaskara

Coordinator

Department of Chemistry/Biochemistry

M.S.R.C.A.S.C

Prof (Dr.) Vijaya V Mysorekar

Coordinator

Department of Pathology & Incharge of CRL

M.S.R.M.C.H

Mr. Prasanna Kumar S G

Head, Department Chemistry/ Biochemistry

M.S.R.C.A.S.C

Dr. Vatsala G

Principal,

M.S.R.C.A.S.C