



RAMAIAH
College of Arts, Science &
Commerce

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



(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/21-22/26

Date:02/05/2022

CIRCULAR

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Department of Chemistry/Biochemistry organizes a value- Added program on **computational methods in life science research** from 15/05/2022 -31/05/2022 for BSc and MSc life Science students.

Interested students can register with link provided below.

Registration Link: <https://forms.gle/pJFrs9ViLmJ7BWdPA>

S. C. HOD
Head of the Department
CHEMISTRY / BIO-CHEMISTRY
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Bangalore - 560 054

Principal,
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MSRIT Post, MSR No.
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**RAMAIAH**

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REPORT ON VALUE ADDED PROGRAM**“COMPUTATIONAL METHODS IN LIFE SCIENCE RESEARCH”****Date: 15/05/2022 to 31/05/2022****Number of participants:33****Duration:30hrs**

Department of Chemistry & Biochemistry organized Value-Added course on “**Computational Methods in Life Science Research**” from 15/05/2022 to 31/05/2022 for life science students and faculties to acquire knowledge and information on various bioinformatic tools used in Research.

Objective: The purpose of this event is to address the role of Computational methods in Life Science research

Computational biology and bioinformatics are an interdisciplinary field that develops and applies computational methods to analyse large collections of biological data, such as genetic sequences, cell populations or protein samples, to make new predictions or discover new biology. The computational methods used include analytical methods, mathematical modelling and simulant.

For this course 30 hrs syllabus was framed with 3 units each of 10hrs, to teach the course, resource persons were from outside the institute and within the institution.

Resource Persons:

- Dr. Jaikanth Chandrasekaran School of Pharmacy and Technology Management, Hyderabad.
- Dr. Parasuraman Pavadai MS Ramaiah University of Applied Sciences
- Dr. Krishna Murthy T P MS Ramaiah Institute of Technology
- Dr. Vidya M, Dept.of Chemistry and Biochemistry, MSRCASC
- Dr. Vasanth Kumar Bhaskara, Dept of Chemistry/Biochemistry, MSRCASC
- Dr. Krishna Rao Dept of Chemistry/Biochemistry, MSRCASC

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- Mrs Malini, Dept of Chemistry/Biochemistry, MSRCASC
- Mrs. Ramya Kumari B S Dept of Chemistry/Biochemistry, MSRCASC

Around 33 life science students registered for the course. Each session was handled by the resource person and was well explained. Students learnt about computation how it can be applied to biological compounds and the three-dimensional study can be carried out. Students were exposed to hands on session also which was useful to the students.

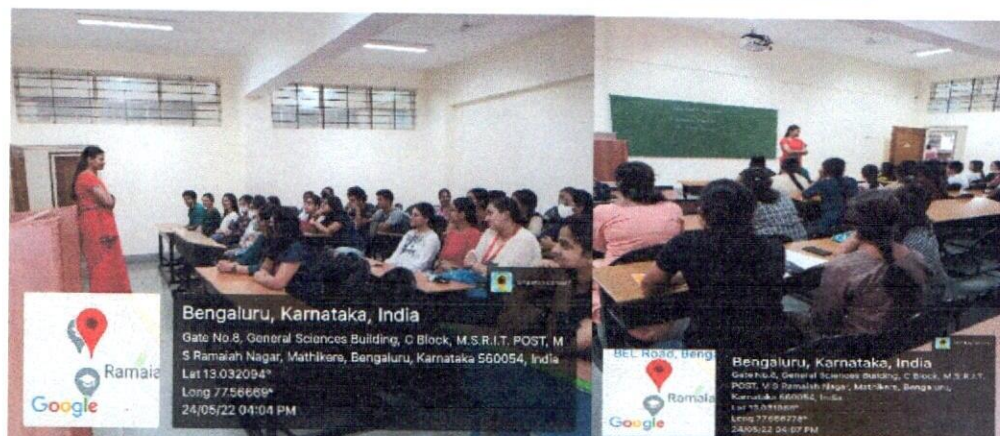
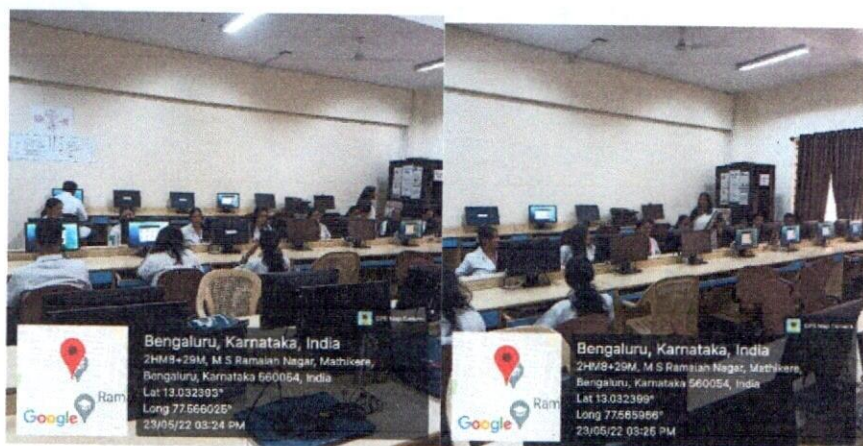
Following topics were covered in depth and hands on was provided for students

- Basic Bioinformatics tools - An Introduction.
- Molecular Docking - Autodock Vina
- Introduction to Graph theoretical network Analysis
- Bioinformatics approaches for Proteomics data analysis
- Databases and tools for bioinformatics-based research activities
- Structural and Functional Analysis of Proteins.

Life science students enrolled for the course, actively participated and got benefited by the program.

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Value-Added program Theory and Practical sessions

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RAMAIAH

College of Arts, Science
& Commerce

Organizing Committee

Dr. Nagarathna A

Principal, MSRCASC

Mr. Prasanna Kumar S G

HOD, Dept. of Chemistry/Biochemistry,
MSRCASC

Dr. Vidya M

Asst. Professor. Dept of
Chemistry/Biochemistry, MSRCASC

Mrs. Ramya Kumari B S

Asst. Professor, Dept of
Chemistry/Biochemistry, MSRCASC

Participants will get the certificate after
the completion of evaluation

Patrons

Dr. M R Jayaram

Hon'ble Chairman, GEF
Chancellor, RUAS

Sri. M R Janakiram

Hon'ble Director, GEF

Sri. M R Kodandaram

Hon'ble Director, GEF

Sri. B S Ramaprasad

Chief Executive, GEF (Engg & GS)

Sri. G Ramachandra

Chief of Finance, GEF (Engg & GS)

Who can Attend?

**Life Science students/Research
Scholar/ Faculties**



Value Added Course

on

“Computational Methods in Life Science Research”

Organized by

**Department of Chemistry
& Biochemistry**

Date : 15th – 31th May 2022

M.S. Ramaiah College of Arts, Science and Commerce (MSRCASC)

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 umbrella of GEF, M.S Ramaiah college of Arts, Science and Commerce (MSRCASC) was established in the 1994. MSRCASC is Re-accredited with "A" Grade by NAAC, affiliated to Bengaluru Central University (BCU), and approved by AICTE. The college offers seven UG courses and four PG courses in Arts, Science, and Commerce, to around 2000 students.

Department of Chemistry and Biochemistry

The Department of Chemistry and Biochemistry was established in the year 1994 and currently conducts both UG and PG courses in Chemistry and Biochemistry. The syllabus is constantly supported by current day, real life applications carrying utility value. The department has very good infrastructural facilities to carry out teaching and research activities. Highly qualified faculties are assigned with theory and practical classes and are instructed to emphasize on the 'learning' of the students.

About the Program

Department of Chemistry/Biochemistry is organizing Value added course on **"Computational Methods in Life Science Research"** for life science students and faculties to acquire knowledge and information on various bioinformatic tools used in Research.

Objective

The purpose of this event is to address the role of Computational methods in Life Science research.

Outcome

Through this value added program students and faculties, will get hands on experience on various computational tools and techniques used in life science research

Resource Persons

Dr. Jaikanth Chandrasekaran
School of Pharmacy and Technology Management,
Hyderabad.
Dr. Parasuraman Pavadai
MS Ramaiah University of Applied Sciences
Dr. Krishna Murthy T P
MS Ramaiah Institute of Technology
Dr. Vidya M,
Dept.of Chemistry and Biochemistry, MSRCASC
Dr. Vasanth Kumar Bhaskara,
Dept of Chemistry/Biochemistry, MSRCASC
Dr. Krishna rao
Dept of Chemistry/Biochemistry, MSRCASC
Mrs Malini,
Dept of Chemistry/Biochemistry, MSRCASC
Mrs. Ramya Kumari B S
Dept of Chemistry/Biochemistry, MSRCASC

Event Coordinators

Dr. Vidya M

Phone: 9019945500

Email: mvidyaz@gmail.com

Mrs. Ramya kumari B S

Phone: 9886841799

Email: ramyarr24@yahoo.co.in

M S Ramaiah College of Arts, Science and Commerce

Department of Chemistry/ Biochemistry

Assessment Procedure for Value-added program on Computational Methods in Life Science Research

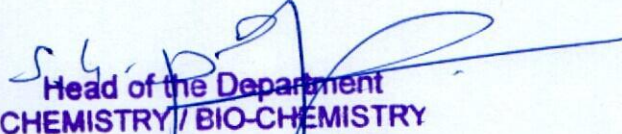
Department of Chemistry/Biochemistry conducted Value-Added Program on **Computational Methods in Life Science Research** for B.Sc and M.Sc. students of life science from **15/05/2022 to 31/05/2022**. The course facilitators were Dr. Vidya and Mrs Ramya Kumari B S. 33 students participated in the program and benefitted from the theoretical and Hands-on sessions. The assessment was done based on their performance in theoretical as well as practical sessions. Certificates were issued to the participants after the completion of the program.

Sl. No	Students Name	Reg. No	Attendance (5)	Viva (10)	Practical Skills (15)	Total (30)
1.	Aashish A Chinchure	S2014402	5	7	12	24
2.	Adhitya AK	S2014403	5	8	14	27
3.	Akshatha	S2014410	5	9	14	28
4.	Atul R Namboothiri	S2014412	5	10	15	30
5.	Hima R	S2014418	5	10	15	30
6.	K sharath	S2014419	5	9	14	28
7.	Kavana U	BC200007	5	8	13	26
8.	Kshiti Joshi	S2014425	5	7	12	24
9.	Lavanya B R	S2014426	5	9	14	28
10	Likhitha.S	S2014427	5	7	12	24
11	Meenakshi Anoop	S2014428	5	10	15	30
12	Monisha G	S2014429	5	6	13	24
13	N.Nagaa sai yammine	S2014431	5	10	14	29
14	Nischith Skanda	S2014432	5	7	12	24

S.G. [Signature]
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Bangalore - 560 054

15	Nityasree Natarajan	S2014434	5	7	13	25
16	Pooja	S2014437	5	8	13	26
17	Pratheeksha	S2014439	5	10	15	30
18	Priyadharshini.D	S2014440	5	10	15	30
19	R Bhavishya	S2014445	5	9	14	28
20	Rithiek raghul.j	S2014446	5	8	13	26
21	Shreekar	S2014448	5	7	12	24
22	Shruthi Rudra Murthy	S2014449	5	8	13	26
23	Shwetha P	S2014450	5	9	15	29
24	Sidharth S	S2014451	5	10	15	30
25	Sowmya A	S2014452	5	8	14	27
26	Swathi S	S2014453	5	9	14	28
27	Tarunikaa M	S2014425	5	10	15	30
28	Tejaswini lokesh	S2014426	5	7	13	25
29	Usha Aishwarya M S	BC200012	5	10	15	30
30	Vidya shree m	S2014455	5	9	14	28
31	Yashoda.O	S2014457	5	9	15	29
32	Yoshitha.k	S2014458	5	10	15	30


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M S Ramaiah College of Arts, Science, and Commerce
Department of Chemistry/ Biochemistry
Students Attendance of Value-Added Program
on
“COMPUTATIONAL METHODS IN LIFE SCIENCE RESEARCH”

Sl.No.	Students Name	Reg. No	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	
			15/5	15/5	16/5	16/5	16/5	17/5	17/5	18/5	18/5	18/5	18/5	19/5	19/5	19/5	20/5	20/5	20/5	21/5	21/5	23/5	23/5	24/5	24/5	25/5	25/5	26/5	27/5	28/5	30/5	30/5	
1	Aashish A Chinchure	S2014402	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	A	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
2	Adhitya AK	S2014403	1	2	3	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
3	Akshatha	S2014410	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27	28	29	
4	Atul R Namboothiri	S2014412	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	A	17	18	19	20	21	22	23	24	25	26	27	28	
5	Hima R	S2014418	1	2	3	4	5	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
6	K sharath	S2014419	1	2	3	A	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	A	21	22	23	24	25	26	27	28	
7	Kavana U	BC200007	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26	27	28	29	
8	Kshiti Joshi	S2014425	A	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	
9	Lavanya B R	S2014426	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	A	24	25	26	27	28	29	
10	Likhitha.S	S2014427	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	
11	Meenakshi Anoop	S2014428	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	
12	Monisha G	S2014429	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	

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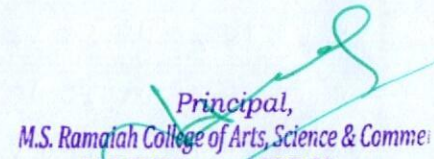
13	N.Nagaa sai yammine	S2014431	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
14	Nischith Skanda	S2014432	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
15	Nityasree Natarajan	S2014434	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
16	Pooja	S2014437	1	A	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
17	Pratheeksha	S2014439	1	2	3	A	4	5	6	7	8	9	10	A	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
18	Pratheeksha	S2014440	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
19	Priyadharshini.D	S2014445	A	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
20	R Bhavishya	S2014446	1	2	A	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
21	Rithiek raghul.j	S2014448	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
22	Shreekar	S2014449	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	A	A	23	24	25	26	27	28
23	Shruthi Rudra Murthy	S2014450	1	2	A	3	4	A	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
24	Shwetha P	S2014451	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	A	A	21	22	23	24	25	26	27	28
25	Sidharth S	S2014452	1	2	3	A	4	5	A	A	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
26	Sowmya A	S2014453	1	2	3	4	5	6	7	8	9	A	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
27	Swathi S	S2014425	1	2	3	4	5	6	7	A	9	10	11	12	13	14	A	15	16	17	18	19	20	21	A	22	23	24	25	26	27	28
28	Tarunikaa M	S2014426	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	A	22	23	A	24	25	26	27	28
29	Tejaswini lokesh	S2014425	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	A	23	24	25	26	27	28	29
30	USHA AISHWARYA MS	BC200012	1	2	3	4	5	6	7	A	8	9	10	11	12	13	14	15	16	17	18	19	20	21	A	22	23	24	25	26	27	28

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31	Vidya shree m	S2014455	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	A	22	23	24	25	26	27	28	29
32	Yashoda.O	S2014457	1	2	A	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	A	20	21	22	23	24	25	26	27	28
33	Yoshitha.k	S2014458	1	2	A	A	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


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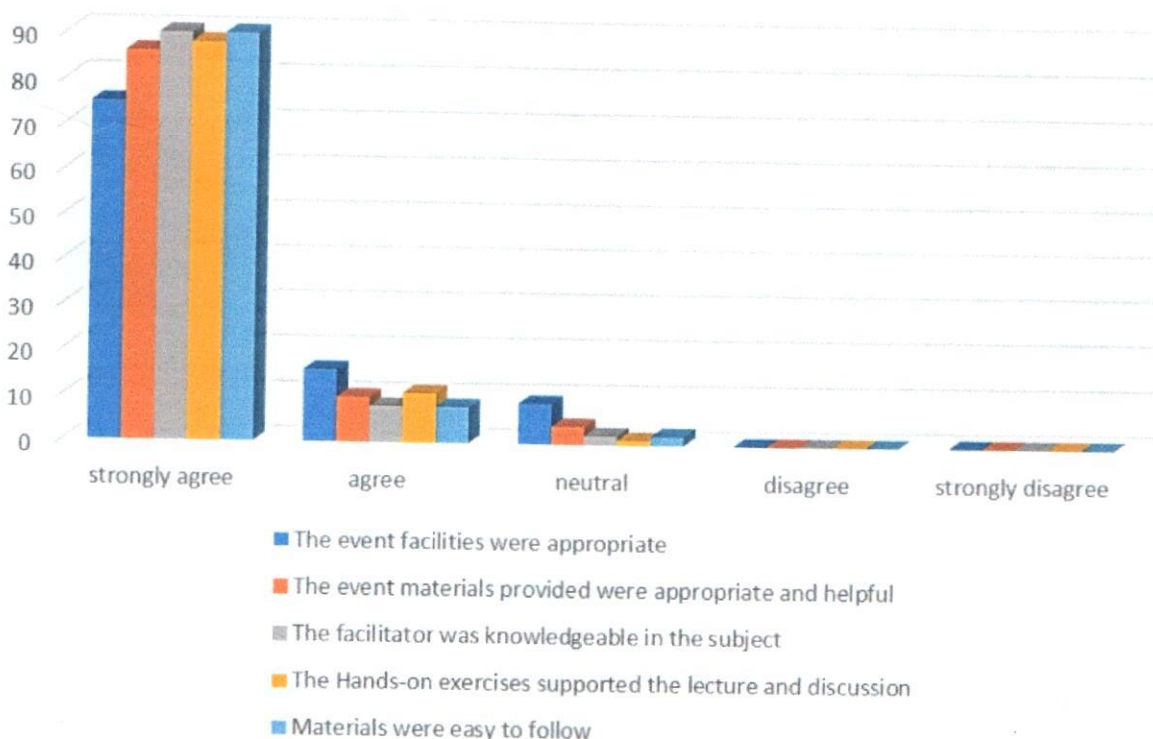

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M S RAMAIAH COLLEGE OF ARTS, SCIENCE, AND COMMERCE
Department of Chemistry/ Biochemistry
Feedback on Value-added program

“COMPUTATIONAL METHODS IN LIFE SCIENCE RESEARCH”

Contents	strongly agree	agree	neutral	disagree	strongly disagree
The event facilities were appropriate	75	16	9	0	0
The event materials provided were appropriate and helpful	86	10	4	0	0
The facilitator was knowledgeable in the subject	90	8	2	0	0
The Hands-on exercises supported the lecture and discussion	88	11	1	0	0
Materials were easy to follow	90	8	2	0	0

Cosolidated Feedback from the Participants



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