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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

**Department of Chemistry & Biochemistry
and
Department of English**

Interdisciplinary Student Development Program on

**"Science and Communication: Strengthening English Skills for Scientific
Excellence"
(An IQAC initiative)**

Ref. No: Chem/BC/PG-2024-02

Date: 02/07/2024

Circular

Department of Chemistry & Biochemistry and the Department of English are organizing an Interdisciplinary Student Development Program on "Science and Communication: Strengthening English Skills for Scientific Excellence" on 5th July 2024 for all the branches of 1st and 2nd year M.Sc. students.

Time: 9.30 am – 4.30 pm
Venue: A.P.J. Auditorium

Note: Attendance is mandatory for all the sessions

Students should carry a pen and a notepad

Dr. Suveditha S.
Convenor

Dr. Darsana R.
Convenor

Dr. Surendra A. S. (HoD)
Department of Chem

Vice Principal

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Interdisciplinary Student Development Program on
“Science and Communication:
Strengthening English Skills for Scientific Excellence”

Organized by the
Department of Chemistry and Biochemistry
and the
Department of English



July 5th 2024



Abdul Kalam Auditorium

Dr. Parvathy Venu M.

Asst. Professor,
Acharya Institutes



Convenors:

Dr. Suveditha S.

Asst. Professor of Biochemistry

Dr. Darsana R.

HoD & Asst. Professor of English

Dr. Surendra A. S.

HoD & Asst. Professor of Biochemistry

Interdisciplinary Student Development Program on “Science and Communication: Strengthening English Skills for Scientific Excellence”

Organized by the
Department of Chemistry and Biochemistry
and the
Department of English
**M. S. RAMAIAH COLLEGE OF ARTS, SCIENCE, AND
COMMERCE**



July 5th 2024

10.00 am–4.30 pm



Abdul Kalam Auditorium

ABOUT MSRCASC

M. S. Ramaiah College of Arts, Science and Commerce, established in 1994 by the late Dr. M. S. Ramaiah provides a diverse range of undergraduate and postgraduate degree programs in arts, science, commerce and management. The institution is affiliated with Bengaluru City University. Authorized by AICTE in New Delhi and recognized by the Government of Karnataka, the college holds accreditation from the UGC under Section 2(f) and 12(B) of the UGC Act of 1956. Notably, it has received an "A" grade accreditation from NAAC, showcasing its commitment to academic excellence. A pioneer in education, continuously striving to incorporate innovative teaching methods to foster the development of students into future professionals.

ABOUT THE DEPARTMENTS

Department of Chemistry & Biochemistry: The department is represented by a strong team of teaching fraternities who are highly qualified and experienced. Our faculties are using the most contemporary tools of teaching pedagogy including ICT-enabled learning, different molecular models, and software to explain molecular structures to give students, a better clarity of conceptual understanding. The department has an intensive proctorial system to conduct timely parent-teacher meetings, student counseling and monitor student progress. Students are continuously encouraged to participate in value-added programs, workshops, and career training and to have several industrial visits to inculcate exposure to more realistic applications of their classroom theory. Rasayinika-club has been initiated to explore chemistry-biochemistry aspects through fun-filled activities.

Department of English: The department envisions cultivating a vibrant academic community where the power of language is celebrated and harnessed to inspire critical thinking, creativity, and effective communication. Our vision extends beyond traditional literary studies to embrace a diverse range of voices and perspectives, fostering an inclusive space where students explore the rich tapestry of human expression. We aim to be a dynamic hub for literary exploration, equipping students with the analytical skills and cultural awareness necessary for navigating a globalized world.

ABOUT THE GUEST



Dr. Parvathy Venu M. is a distinguished teaching and training specialist, recognized for her exceptional ability to design and deliver both onsite and remote training programs. Currently serving as an Assistant Professor and Training and Collaboration Officer at Acharya Institutes in Bengaluru, she has been instrumental in

ensuring the effective delivery of soft skills and aptitude training and facilitating international collaborations.

Dr. Venu's extensive experience includes roles as a Soft Skill and Aptitude Trainer at Xplore Consultancy Services, where she trained over 10,000 students, and as an Assistant Professor at REVA University, contributing to curricular innovation and coordinating cultural and social outreach events. Her tenure at Mangalore University and Mangalore Institute of Technology and Engineering further highlights her dedication to fostering student engagement through creative activities and her proficiency as a master of ceremonies for international conferences.

Academically, Dr. Venu holds a Ph.D. in Physics from Mangalore University, where she focused on the fabrication and characterization of heterojunction diodes. She has an impressive record of academic speaking abilities.

With a Ph.D. in Physics from Mangalore University and advanced technical skills in MS Excel, ERP management, and instrumentation software, Dr. Venu's innovative teaching strategies and cross-cultural facilitation efforts have solidified her reputation as an influential educator and leader in her field.

COURSE OBJECTIVES

- Develop the ability to articulate scientific concepts and research findings clearly and concisely in written and spoken English.
- Gain expertise in crafting compelling and succinct abstracts that effectively summarize research objectives, methods, results, and significance.
- Develop strategies for explaining complex scientific concepts to students with varying levels of proficiency in English. Enhance lecture delivery, classroom interaction, and assessment techniques.
- Identify and avoid common errors in grammar, punctuation, and usage that can undermine the clarity and professionalism of scientific communication.
- Become proficient in using modern tools and platforms for communication, including digital collaboration tools, academic social networks, and online publication platforms.

COURSE OUTCOMES

- The Student Development Program (SDP) enables participants from diverse linguistic backgrounds to collaborate effectively, fostering innovation and progress in various scientific fields.
- The SDP emphasizes on how a well-crafted abstract can increase the visibility and impact of research.
- The SDP leverages technology to aid English communication in science. Tools such as automated correction, language learning apps, and AI-driven language support systems to bridge the communication gap.
- This SDP aims to equip participants with the necessary communication skills to excel in their careers and contribute effectively to the scientific community

PATRONS

Dr. M.R. Jayaram **Dr. Sri. M. R. Janakiram** **Sri. M. R. Kodandaram**

Hon'ble Chairman, GEF

Hon'ble Director, GEF

Hon'ble Director, GEF

Sri. B. S. Ramaprasad

Chief Executive, GEF

Sri. G. Ramachandra

Chief Executive, GEF

ADVISORY COMMITTEE

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Principal,
MSRCASC

Dr. Puspa H.

Vice Principal,
MSRCASC

Dr. Surendra A.S.

HOD Biochemistry/Chemistry,
MSRCASC

CONVENORS

Dr. Suveditha S.

Assistant Professor,
Dept. of Biochemistry,
MSRCASC

Dr. Darsana Rajkumar

HOD & Assistant Professor,
Dept. of English,
MSRCASC

STUDENT COORDINATORS

Ms. Chandana A.

M. Sc. Biochemistry

Ms. Aardra R. S.

M. Sc. Biochemistry

Report on the Interdisciplinary Student Development Program

Title: Interdisciplinary Student Development Program on "Science and Communication: Strengthening English Skills for Scientific Excellence"

Date: July 5, 2024

Venue: Mother Theresa Auditorium, M. S. Ramaiah College of Arts, Science, and Commerce (MSRCASC)

Organized by: Department of Chemistry & Biochemistry and Department of English

Resource Person: Dr. Parvathy Venu M, Assistant Professor and Training & Collaboration Officer at Acharya Institutes, Bengaluru

Program Schedule:

- **10:00 AM:** Welcome Address
- **10:15 AM:** Welcome of Resource Person with a Sapling by Principal Dr. Vatsala G.
- **10:20 AM:** Principal's Address
- **10:30 AM:** Introduction of Resource Person
- **10:45 AM - 11:45 AM:** Session 1 - Abstract Writing
- **11:45 AM - 1:00 PM:** Session 2 - Written Communication
- **1:00 PM - 2:00 PM:** Lunch Break
- **2:15 PM - 3:15 PM:** Session 3 - Usage of AI Tools
- **3:15 PM - 4:15 PM:** Session 4 - Public Speaking
- **4:15 PM - 4:30 PM:** Vote of Thanks

Resource Person:

Dr. Parvathy Venu M, a distinguished teaching and training specialist, led the program. She currently serves as an Assistant Professor and Training & Collaboration Officer at Acharya Institutes in Bengaluru. Dr. Venu's extensive experience includes training over 10,000 students in soft skills and aptitude, contributing to curricular innovation, and facilitating international collaborations. She holds a Ph.D. in Physics and has published several research papers, highlighting her academic excellence and technical prowess.

Course Objectives:

- Develop the ability to articulate scientific concepts and research findings clearly and concisely in written and spoken English.
- Gain expertise in crafting compelling and succinct abstracts that effectively summarize research objectives, methods, results, and significance.

- Develop strategies for explaining complex scientific concepts to students with varying levels of proficiency in English. Enhance lecture delivery, classroom interaction, and assessment techniques.
- Identify and avoid common errors in grammar, punctuation, and usage that can undermine the clarity and professionalism of scientific communication.
- Become proficient in using modern tools and platforms for communication, including digital collaboration tools, academic social networks, and online publication platforms.

Course Outcomes:

- The Student Development Program (SDP) enables participants from diverse linguistic backgrounds to collaborate effectively, fostering innovation and progress in various scientific fields.
- The SDP emphasises on how a well-crafted abstract can increase the visibility and impact of research.
- The SDP leverages technology to aid English communication in science. Tools such as automated correction, language learning apps, and AI-driven language support systems to bridge the communication gap.
- This SDP aims to equip participants with the necessary communication skills to excel in their careers and contribute effectively to the scientific community

Details:

The Interdisciplinary Student Development Program on "Science and Communication: Strengthening English Skills for Scientific Excellence" was successfully conducted on July 5, 2024, at the Mother Theresa Auditorium, MSRCASC. The event was a collaborative effort by the Department of Chemistry & Biochemistry and the Department of English, aimed at enhancing the communication skills of MSc students, crucial for their scientific pursuits.

The program spanned from 10:00 AM to 4:30 PM and was divided into four interactive sessions, engaging all MSc students present.

Inauguration:

- The event began with a welcome address by Logavarshini, a 2nd-semester M.Sc. Biochemistry student.
- The resource person was welcomed with a sapling by Principal Dr. Vatsala G, followed by addressing the gathering.
- Chandana A., a 2nd year M.Sc. Biochemistry student introduced Dr. Parvathy Venu M. to the audience.

Session 1: Abstract Writing

- This session covered methodologies for writing abstracts, various writing styles, and types of abstracts.
- Students participated in an activity where they wrote abstracts, which were subsequently reviewed and corrected by Dr. Venu.

Session 2: Written Communication

- This session focused on types of written communication, such as emails, reports, and memos.
- Students crafted emails for job vacancies and received feedback on their writing skills.
- The session concluded with a lunch break from 1:00 PM to 2:00 PM.

Session 3: Usage of AI Tools

- Dr. Venu introduced popular AI tools like ChatGPT, Grammarly, and Hemingway Editor, discussing their advantages and limitations.
- Students learned how to write prompts for these tools and engaged in a hands-on activity to practice.

Session 4: Public Speaking

- The final session addressed key elements of public speaking, techniques for effective delivery, and overcoming glossophobia (fear of public speaking).
- Each student had an opportunity to speak on a chosen topic for two minutes, receiving constructive feedback to improve their speaking skills.

Participant Feedback:

The participants, comprising all MSc students, expressed high levels of satisfaction with the program. They appreciated the practical insights provided by Dr. Venu and found the interactive sessions particularly beneficial. The focus on modern communication tools and platforms was seen as a valuable addition to their academic and research skills.

Summary:

The Interdisciplinary Student Development Program on "Science and Communication: Strengthening English Skills for Scientific Excellence" successfully achieved its objectives, providing participants with essential skills for articulating scientific concepts and research findings effectively. The collaboration between the Department of Chemistry & Biochemistry and the Department of English demonstrated the importance of interdisciplinary approaches in enhancing educational outcomes. The program's success highlights the need for ongoing initiatives to support student development in both scientific and communication skills.

Glimpses of the event









EXAMPLE SPEECH TOPICS

- Social Media: A boon or bane?
- A Memorable Classroom Experience
- The Impact of Technology on Education
- Balancing Studies and Research Responsibilities

Interdisciplinary Student Development Program on

"Science And Communication: Strengthening English Skills for Scientific Excellence"

Organized by the Department of Chemistry and Biochemistry and the Department of English

Date:05-07-2024

Course:

Student's Attendance

SL NO.	NAME	CLASS	SESSION 1	SESSION 2
1.	Sanjanya V.K.	MSc ^{II Sem} -MB	Sanjanya	Sanjanya
2.	Kavyashree P.	MSc-MB	Kavya	Kavya
3.	Ankitha-V	MSc-MB	Ankitha	Ankitha
4.	Afreen A.	MSc-MB	Afreen	Afreen
5.	Afsana.	MSc-MB	Afsana	Afsana
6.	Aparna S.O	MSc-OC?	Aparna	Aparna
7.	Ananya	MSc-OC } ^{II Sem}	Ananya	Ananya
8.	Kranthi	MSc-OC }	Kranthi	Kranthi
9.	P.Reddaiah Rekithi	}	P.Reddaiah	P.Reddaiah
10.	CR Manoj		Manoj CR	Manoj CR
11.	Sudeep		Sudeep	Sudeep
12.	Vishwanjeeth		Vishwanjeeth	Vishwanjeeth
13.	Arusha S.		Arusha	Arusha
14.	Jalaja B.S	MSc-BC	Jal B.S	Jal B.S
15.	Sandhya J	(II Sem)	Sandhya J	Sandhya J
16.	Syed Umar		Syed Umar	Syed Umar
17.	Bhumsika		Bh Gouda	Bh Gouda
18.	Laxmavashini		Lax	Lax
19.	Aarsha R.S		Aarsha	Aarsha
20.	Prathiksha M.	MSc-BT	Prathiksha	Prathiksha
21.	Vandana S.	II Sem.	Vandana	Vandana
22.	Sneha		Sneha	Sneha

Interdisciplinary Student Development Program on
"Science And Communication: Strengthening English Skills for Scientific Excellence"

Organized by the Department of Chemistry and Biochemistry and the Department of English

 Course: M.Sc. BIOCHEMISTRY - 4th Sem

Date: 05-07-2024

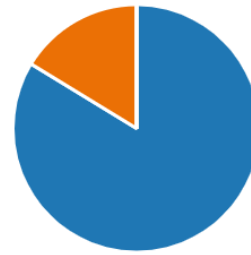
Student's Attendance

SL NO.	NAME	CLASS	SESSION 1	SESSION 2
1. ✓	CHANDANA . A	M.Sc. BC 4 th Sem	Chandana	Chandana
2. ✓	DHAMINI . C . N	M.Sc. BC 4 th Sem	Dhamini	Dhamini
3. ✓	SIREESHA . N	M.Sc. BC 4 th Sem	Sireesha	Sireesha
4. ✓	KEERTHANA . K	- " -	Keerthana K	Keerthana K
5. ✓	VAISHNAVI . N	- " -	Vaishnavi	Vaishnavi
6. ✓	PAVAL . V	- " -	Paaval	Paaval
7. ✓	SUMITHRA . V	- " -	Sumithra	Sumithra V
8. ✓	AMRUTHA .	- " -	Amrutha	Amrutha
9. ✓	SREE LAKSHMI	- " -	Sree Lakshmi	Sreelakshmi
10. <i>absent</i>	SHARVANI	M.Sc. BC 4 th Sem	Sharvani	-
11. ✓	MONISHA	- " -	Monisha	Monisha
12. ✓	YASHASWINI	- " -	Yashaswini	Yashaswini
13. ✓	SULTHAN PASHA	- " -	Sultan	Sultan Pasha
14. ✓	ABDUL	M.Sc. - BCB 4 th Sem	Abdul	Abdul
15. ✓	HIBA KANNA	M.Sc. - MB 4 th Sem	Hiba	Hiba
16. ✓	SUNDAR PAVAN	M.Sc. - DC 4 th Sem	Pavan	Pavan
17. ✓	AKHILA	" "	Akhila	Akhila
18. ✓				

Feedback

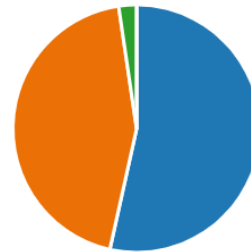
4. How satisfied are you with the overall student development program?

Very satisfied	36
Somewhat satisfied	7
Neither satisfied nor dissatisfied	0
Somewhat dissatisfied	0
Very dissatisfied	0



5. How would you rate the effectiveness of the program in developing your skills?

Very good	23
Good	19
Fair	1
Poor	0



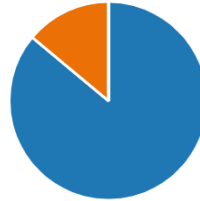
6. How would you rate the impact of the program on your career development?

● Good	30
● Moderate	11
● Fair	2



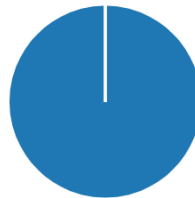
7. How clear and understandable was the speaker's presentation?

● Very Clear	37
● Clear	6
● Somewhat Clear	0
● Not Clear	0



8. Did the speaker effectively address your questions and concerns?

● Yes	43
● Maybe	0
● No	0



9. How helpful was the program in developing strategies for effective communication of scientific ideas?

● Very helpful	31
● Somewhat helpful	11
● Neither helpful nor unhelpful	1
● Somewhat unhelpful	0
● Very unhelpful	0



10. Has the program made you more adept at spotting grammatical errors mistakes in scientific communication?

Yes	37
Maybe	5
No	1



11. What is the likelihood that you will integrate modern communication tools into your career?

Very likely	31
Somewhat likely	12
Neither likely nor unlikely	0
Somewhat unlikely	0
Very unlikely	0



12. What did you find most beneficial about the student development program?

Learning about abstract writing

Abstract writing, use of AI tools

It was really a great interactive session where I have learnt about effectiveness of communication in scientific field also..all fundamentals was thought clearly..

This program could effectively integrate technical knowledge with essential communication skills,fostering a well-rounded understanding crucial for future scientific endeavors

The usage of English like framing sentences for official work

Abstract writing

Everything, from having understanding the concept and out of the box things like general knowledge also and also some reality things of life.

I adapted myself in understanding grammatical errors mistakes in scientific communication and the speaker effectively addressed all our questions and concerns

It was mostly related to what is required for our career... And I personally got what to do and what not to do in my paper.

Everything

Communication skills

How to face people

Career guidance and identifying the simple mistakes we usually make during preparing our project reports and accordingly correct them

Career guidance and identifying the simple mistakes we usually make during preparing our project reports and accordingly correct them

I got how to use AI tools properly and also how to deliver a speech properly

It was a good experience having there and learnt something from that program

All are beneficial

The program discussed about how to structure a research paper and that was helpful.

Abstract writing

knowledge about chatGPT,gmail.very use full

Email writing

Composing a mail

Writing skills

Abstract information

To be confident

Proper way of writing abstract and e-mail

Project thesis content what and all should be included

Became confident about myself

Everything

How to write an abstract was very helpful

Very useful

Construction of research paper.

Good interaction with students

Learning how to present

Spontaneous speaking about topic and also email writing

Writing skills

Self development

Learning communication skills at the best

All

Abstract writing

All the programs were beneficial. The sessions in which we learnt how to use AI in our reports and resume making we highly beneficial

Full program is beneficial, especially Ai tools and Abstract

Scientific research AI tools ..like hw to write an abstract and wt are things we include that paper and wt not to do all the things are very helpful .

13. Any additional comments or suggestions for future student development program?

Would like to attend many more programs like this

Provide Refreshments

Please do conduct this interactive sessions for students again and again to opt more of the things.

Awaiting for more such programs like this

No that is enough

organize more like this

Nothing

Carrier guide lines

More on research paper reading and deriving information

very usefull

More such programs should be conducted very often. Workshops with hands-on training should also be conducted.

Giving a specific and attractive mails examples is better. Rather than giving the highlights.

Skills required for life science students to get job

Action taken:

We will prioritize conducting more programs like this regularly. Additionally, workshops featuring hands-on training will be organized to provide practical experience and enhance students' learning. These initiatives will ensure that students gain both theoretical knowledge and practical skills, better preparing them for their future careers.