

# 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 5<sup>th</sup> 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

**Dr. Vatsala G.**

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