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**RAMAIAH**  
College of Arts, Science  
& Commerce

### Patrons

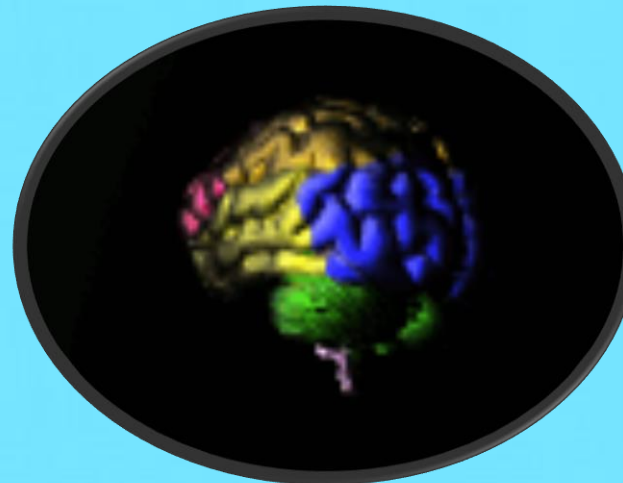
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**Sri. M R Janakiram**  
Hon'ble Director, GEF

**Sri. M R Kodandaram**  
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Chief Executive, GEF (Eng. & GS)

**Sri. G Ramachandra**  
Chief of Finance, GEF (Eng. & GS)



**DEPARTMENT OF  
BIOTECHNOLOGY AND  
GENETICS**

**Organizing Guest Lecture**

**On**

**“Multimodal Functional Brain  
Imaging and Neuromodulation”**

**RESOURCE PERSON**

**Prof. Ranganatha Sitaram ME, PHD**  
Director,

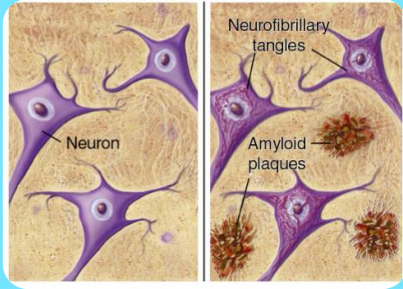
**Multimodal Functional Brain Imaging Hub  
ST. JUDE CHILDREN'S RESEARCH HOSPITAL, USA**



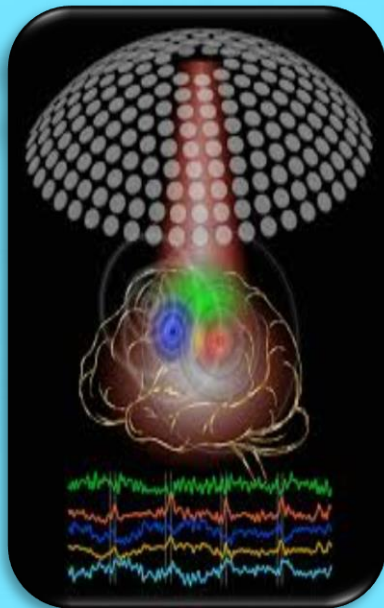
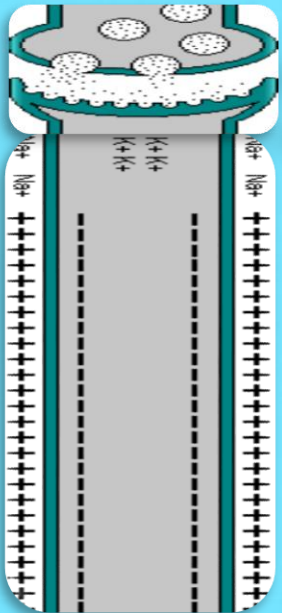
**Date: December 11, 2023**

**Venue: Vishweshwaraiah auditorium,  
MSRCASC**

# “MULTIMODAL FUNCTIONAL BRAIN IMAGING AND NEUROMODULATION”



Brain is a complex organ that controls thought, memory, emotion, touch, motor skills, vision, breathing, temperature, hunger and every process that regulates our body. Together, the brain and spinal cord that extends from it make up the central nervous system, or CNS.

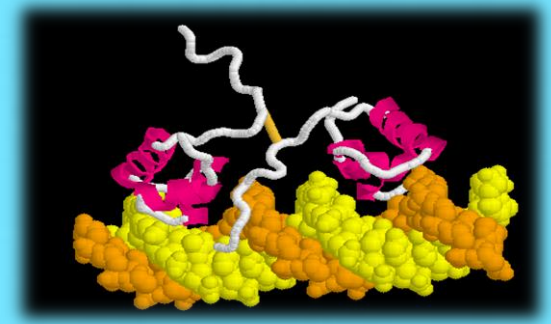


## ABOUT THE COLLEGE

Dr. MS 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 tutelage of GEF, M. S. Ramaiah College of Arts, Science and Commerce (MSRCASC) was established in 1994. MSRCASC is Re -accredited with “A” Grade by NAAC, permanently affiliated to Bengaluru City University (BCU), and approved by AICTE. It is also recognized under section 2 (f) & 12(B) of the UGC Act 1956. The College has a legacy of organizing workshops, international and national conferences in various disciplines of Science, Commerce and Management in addition to Quality Initiatives in Higher Education.

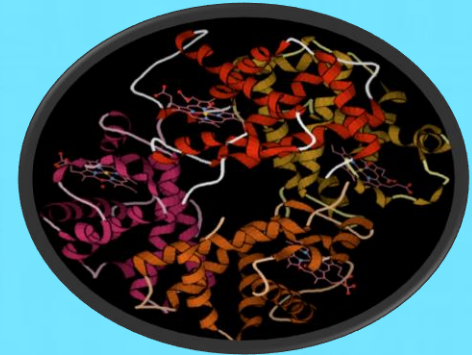
## ABOUT THE DEPARTMENT / OBJECTIVES OF THE PROGRAM

Department of Biotechnology and Genetics in the M S Ramaiah College of Arts, Science and Commerce, was established in the year 2000 offering both UG and PG programs. The main objective of the programs is to provide conducive learning environment for the students and to mitigate the shortage of biotechnologists in the field of food, agriculture, medicine and environmental management. Highly qualified and experienced faculty members deliver the lectures and conduct the practical in various subjects of as per the curriculum developed by the Bangalore City University. The department focuses mainly on teaching the basics, applications and hands-on training in a state-of-the-art classroom and laboratory environment. It also facilitates students to broaden their knowledge for multitasking.



## Programme Outcome

This talk will focus on Applied level understanding on fundamentals and computational simulation applications of Brain modeling in making students familiar with imaging and multimodal resources available on the web to do multiple tasks.



## Programme Convenors

Dr. Radha Dayanidhi

Dr. Pramod Prakash Desai

Department of  
Biotechnology and Genetics