

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/EA/2022-2023/

Date: 11-02-2022

CIRCULAR

EXTENTION ACTIVITY

Department of Biotechnology/Genetics

Students and staff are hereby requested to participate in the demonstration of Skill based Scientific Model Building for School children and Pre-University students of Blossoms School Bagalgunte, Bengaluru North and Acharya Gurukula PU college, Bagalagunte, Bengaluru, on Monday, 14th February 2022, to create an awareness on Science in young minds as a part of the departmental Extention-activity Time: 10:00am – 4.00 p.m.

HOD

(Dr. Channarayappa)

PRINCIPAL

(Dr. A. Nagarathna)

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Department of Biotechnology & Genetics

Patrons

Dr. M.R. Jayaram, Chairman, GEF Sri M.R. Janikiram, Director, GEF Sri M.R. Kodandaram, Director, GEF Sri B.S. Ramaprasd, Chief Executive, GEF (E&GS) Sri G. Ramachandra, chief of Finance, GEF (E&GS) Dr. A. Nagarathna, Professor and Principal, MSRCASC

Organizing committee

Dr. Channarayappa, Professor and Head Dr. Jayashree, DR, Associate Professor Dr. Lakshmikanth, RN, Assistant Professor Dr. Ramakrishnaiah, TN, Assistant Professor Dr. Sowbhagya, R., Assistant Professor Dr. Radha Dayanidhi, Assistant Professor Dr. Geetika Pant, Assistant Professor Dr. Vinutha, M., Assistant Professor Dr. Vinutha, M., Assistant Professor Dr. Prashanthi, R., Assistant Professor Dr. Rashmi Nagesh, Assistant Professor Dr. Beaulah Angel, Assistant Professor Dr. Pavithra Kumari H.G., Assistant Professor Dr. Muktha H., Assistant Professor Dr. Savitha, Assistant Professor Dr. Savitha, Assistant Professor Dr. Pramod Desai, Assistant Professor









Skill-Based Scientific Model Building

14-02-2022

Venue:

BLOSSOMS SCHOOL BAGALGULTE MAIN W NO 14 BENGALURU NORTH

Organized by

Department of Biotechnology and Genetics M S Ramaiah College of Arts, Science and Commerce Bengaluru – 560054

Important DatesDate of Visit & activity :14-02-2022



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:

Department of Biotechnology and Genetics in 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 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 opportunities by conducting various curricular and extracurricular activities.

About the Programme:

Go beyond classroom learning

School and colleges are governed by timetables, standards, assessments and curricula. Not very often are children given the opportunity to learn outside of these formal structures, try something outside of their comfort zone or come into contact with a whole new set of peers.

The best extracurricular programs may support academic study, but they should also deliver an experience which takes children far above and beyond the time they spend in school/college. Hence, the current activity is designed to learn collaboration, teamwork, leadership skills and the importance of working together despite differences to reach a common goal. Practicing these skills and building relationships with non-school peers can set young people up for a lifetime of healthy and productive professional and personal relationships.

it's possible to use extended learning activities to provide balance for the students. This will benefit at both the ends (school children as well college students) to focus concentration, provide calm, quiet space, which require social interaction. Whatever the unique needs of a child we can help provide equilibrium and take care of their wellbeing.

Modelling Goals & Purposes:

- Represent and build system understanding.
- Integrate knowledge within a course, a majorly, or across an entire program of study to associate concepts.
- Explain or predict relationships among concepts, structures, or species.
- Illustrate the dynamics of a system over time.

Objectives of the Program

- To give students opportunities to engage and conceptualize discoveries in science.
- To develop an awareness and knowledge on skill learning with the scientific models.
- Popularize scientific sprit amongst the younger minds.

Outcome of the Program:

Students will broaden their scientific thinking and increase the problem solving skills.

Motivating the students to take up their career in science

Benefits of participation to students:

- It provides a plat-form to develop a real learning for the students
- It will help our students to showcase their skills and talent through model building and sharing their ideas with the school children.
- It will also improvise on the presentation skills of the students and develop team work amongst them.



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Science Working Models for Problem Solving

14-02-2022

Venue:

Acharya Gurukula Vidyakendra Composite PU College

9th Cross, Bagalagunte, Hessaragatta Main Rd. Bengaluru

Organized by

Department of Biotechnology and Genetics M S Ramaiah College of Arts, Science and Commerce Bengaluru – 560054

Important DatesDate of Event & Activity :14-02-2022



About the College:

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About the Programme:

Go beyond classroom learning

School and colleges are governed by timetables, standards, assessments and curricula. Not very often are children given the opportunity to learn outside of these formal structures, try something outside of their comfort zone or come into contact with a whole new set of peers. This is a kind of thinking out of the box. The best extracurricular programs may support academic studies, but they should also deliver an experience which takes children far above and beyond the time they spend in school/college. Hence, the current activity is designed to learn collaboration, teamwork, leadership skills and the importance of working together despite differences to reach a common goal. Practicing these skills and building relationships with non-school peers can set young people up for a lifetime of healthy and productive professional and personal relationships.

It has possible to use extended learning activities to provide balance for the students. This will benefit at both the ends (school children as well college students) to focus concentration, provide calm, quiet space, which require social interaction. Whatever the unique needs of a child we can help provide equilibrium and take care of their wellbeing.

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- Represent and build system understanding.
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Objectives of the Program

- To give students opportunities to engage and conceptualize discoveries in science.
- To develop an awareness and knowledge on skill learning with the scientific models.
- Popularize scientific sprit amongst the younger minds.
- Kindle the young minds to become creative

Outcome of the Program:

- Students will broaden their scientific thinking and
- increase the problem solving skills.
- Motivating the students to embark scientific path



Benefits for participation the event:

- It provides a platform to develop a real learning for the students
- It will help our students to showcase their skills and talent through model building and sharing their ideas with the school children.
- It will also improvise on the presentation skills of the students and develop team work amongst them.



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EXTENTION ACTIVITY

Department of Biotechnology/Genetics

Programme Schedule

10 : 00 am	:	Departure to the Destination
11 : 00 am	:	Blossoms School, Bagalgunte, Bengaluru North (Explicate and demonstration of Scientific Model) Interaction with the Students
12:30 pm	:	
1 : 00 pm	:	Lunch
2 : 00 pm	:	Acharya Gurukula PU college, Bagalagunte, Bengaluru (Explicate and demonstration of Scientific Model) Interaction with the Students
3 :30 pm	:	
4 : 30 pm	:	Arrival to MSRCASC

(Dr. Channarayappa)

(Dr. A. Nagarathna)

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Report On Extension Activity 2022-2023

Department of Biotechnology/Genetics organized an awareness on Skill based Scientific Model Building for School and Junior college students of neighboring institutions in Bengaluru, on Monday, 14/02/2022.

Two Institutions were visited (i) Blossoms School Bagalgunte Bengaluru North.

(ii)Acharya Gurukula PU college, Bagalagunte, Bengaluru.

No. of Participants:75 students

About the Programme:

To go beyond classroom learning

The activity was designed to learn collaboration, teamwork, leadership skills and the importance of working together despite differences to reach a common goal. Practicing these skills and building relationships with non-school peers can set young people up for a lifetime of healthy and productive professional and personal relationships. It's possible to use extended learning activities to provide balance for the students. This will benefit at both the ends (school children as well college students) to focus concentration, provide calm, quiet space, which require social interaction. Whatever the unique needs of a child we can help provide equilibrium and take care of their wellbeing.

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To develop an awareness and knowledge on skill learning with the scientific models Popularize scientific sprit amongst the younger minds

Outcome of the Program:

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- > Motivating the students to take up their career in science

Benefits of participation to students:

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Working Model explaination on HIV infections by Students of M.S. Ramaiah College

Blossom School with the Management, Head Mistress Mrs. Leela, Staff & Students



M.S.Ramaiah Staff & Student Interaction sessions on the Skill based Models



M.S. Ramaiah Students interaction with Acharya Gurukula PU college, On Covid -19 Working Model



Acharya Gurukula PU college Principal Dr. Prathiba, Staff and Students