

SUB REGIONAL SCIENCE CENTRE RAICHUR

ANNUAL REPORT OF PROGRAMMES FOR THE YEAR 2022-23

1. SUMMER CAMP:

The summer camp was organized at Appanadoddi village of Raichur taluk. The students were taught about, Astronomy, creativity, painting, leadership, proper usage of water & soil, & importance of science & education. The activities related to, rotation of earth around sun, rotation of moon around the earth, new moon, full moon, difference between Solar & lunar eclipse, identifying phases of moon were conducted. 55 students of appandoddi village and surrounds participated in the programme. This programme was sponsored by Piramal Foundation & conducted in association with Bharat Gnan Vijnan Samiti (BGVS).



Fig 1: Activiy regarding movement of moon



Fig 2: Students performing the activity on understanding various phases of moon

2. ZERO SHADOW DAY:

The Zero Shadow Day was observed at Sub Regional Science Centre Raichur on 05.05.2022. Students & teachers from different schools participated in the programme. The details of Zero Shadow Day were provided to the participants. Activities to demonstrate the phenomenon of Zero Shadow were also conducted. 28 teachers students & parents participated in the programme. This programme was sponsored by KSTePS & conducted in association with BGVS. The budget spent by SRSC Raichur is Rs. 2345/- .



Fig 3: Students experimenting to determining the time of Zero Shadow moment

ವಿಜ್ಞಾನ ಕೇಂದ್ರದಲ್ಲಿ ಶೂನ್ಯ ನೆರಳು ದಿನ ಆಚರಣೆ

ಬಿ.ಬಿ.ಸಿ. ಸ್ಕೂಲ್‌ನಲ್ಲಿ ರಾಯಚೂರು, ಬಿ.ಬಿ.ಸಿ. ಸ್ಕೂಲ್‌ನಲ್ಲಿ ದೇಶದ ವಿಜ್ಞಾನ ಕೇಂದ್ರ ಹಾಗೂ ಭಾರತ ವಿಜ್ಞಾನ ಸಮಿತಿ ಸಹ ಯೋಜನೆಯಲ್ಲಿ ಶೂನ್ಯ ನೆರಳು ದಿನವನ್ನು ನಾಗರದ ವಿಜ್ಞಾನ ಕೇಂದ್ರದಲ್ಲಿ ಆಚರಿಸಲಾಯಿತು.

ಶೂನ್ಯ ನೆರಳು ದಿನವನ್ನು ಮಾರ್ಚ್ 21ನೇ ದಿನವನ್ನು ಆಚರಿಸಲಾಯಿತು. ಈ ದಿನವನ್ನು ಆಚರಿಸಲು ರಾಜ್ಯಾದ್ಯಂತ ವಿಜ್ಞಾನ ಕೇಂದ್ರಗಳು ಮತ್ತು ವಿಜ್ಞಾನ ಸಮಿತಿಗಳು ಸಂಯೋಜಿಸಿ ಈ ದಿನವನ್ನು ಆಚರಿಸಲಾಯಿತು. ಈ ದಿನವನ್ನು ಆಚರಿಸಲು ರಾಜ್ಯಾದ್ಯಂತ ವಿಜ್ಞಾನ ಕೇಂದ್ರಗಳು ಮತ್ತು ವಿಜ್ಞಾನ ಸಮಿತಿಗಳು ಸಂಯೋಜಿಸಿ ಈ ದಿನವನ್ನು ಆಚರಿಸಲಾಯಿತು.

ವಿಜ್ಞಾನ ಕೇಂದ್ರದಲ್ಲಿ ದಿನಾಂಕ 05.05.2022 ರಂದು ಸಂಭವಿಸಿತು. ಅಧ್ಯಕ್ಷ, ಅಧ್ಯಾಪಕ, ವಿಜ್ಞಾನ ಶಿಕ್ಷಕರು ಮತ್ತು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಶೂನ್ಯ ನೆರಳು ದಿನದ ಬಗ್ಗೆ ಮಾಹಿತಿ ನೀಡಲಾಯಿತು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರದ ಅಧ್ಯಕ್ಷರು, ವಿಜ್ಞಾನ ಶಿಕ್ಷಕರು ಮತ್ತು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಶೂನ್ಯ ನೆರಳು ದಿನದ ಬಗ್ಗೆ ಮಾಹಿತಿ ನೀಡಲಾಯಿತು.

ಶೂನ್ಯ ನೆರಳು ದಿನವನ್ನು ಆಚರಿಸಲು ರಾಜ್ಯಾದ್ಯಂತ ವಿಜ್ಞಾನ ಕೇಂದ್ರಗಳು ಮತ್ತು ವಿಜ್ಞಾನ ಸಮಿತಿಗಳು ಸಂಯೋಜಿಸಿ ಈ ದಿನವನ್ನು ಆಚರಿಸಲಾಯಿತು.

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Fig 4: News article about the Zero Shadow Day

3. ASPIRATIONAL DISTRICT PROGRAMME: WORKSHOP FOR SCHOOL VISITING OFFICERS REGARDING LEARNING OUTCOME IN STUDENTS:

The workshop was conducted on 07.05.2022 at sub regional science centre raichur. All the Block Education Officers, Block Resource Coordinators, Managers & other officers of education department participated in the programme. Information related to the key performance indicators was provided by the Deputy Director of Department of School Education & Literacy. This programme was sponsored by KSTePS & conducted in association with Department of School Education & Literacy. The budget spent by SRSC Raichur is Rs. 3560/- .



Fig 5: Sri G M Vrushabendraiah DDSEL addressing the officers in the workshop

4. SCIENCE WORKSHOP FOR HIGH SCHOOL STUDENTS:

The science workshop was conducted for SSLC students on 21.05.2022 at Sir C V Raman auditorium. Students involved in various Science activities on properties of light, newtons law of motion, magnetic & electromagnetic effects, gravity, conservation of energy, human anatomy etc. The demonstration of experiments related to the SSLC syllabus was also done. The programme was in association with Chalukya Career Academy Raichur.



Fig 6: Student participated in the workshop



Fig 7: Students performing Physics activity in the workshop

5. AWARENESS PROGRAMME ON HEALTH & HYGIENE:

The programme was conducted on 29.05.2022 for girl students at Govt Highschool idapanur village of Raichur taluk, raichur district. 80 students participated in the programme. Sessions related to personal hygiene & healthy food habits were conducted. This programme was sponsored by Piramal foundation & conducted in association with Department of School Education & Literacy Raichur, District Health & family welfare department & BGVS Raichur.



Fig 8: Student participated in the workshop



Fig 9: News article about the Programme

6. COMPETITIONS FOR STUDENTS ON THE OCCASION OF BIRTH ANNIVERSARY OF PADMABHUSHANA DR. H NARASIMHAIAH:

The programme was conducted on 07.06.2022 for students at Govt Model Higher Primary School of Devanapalli village of Raichur taluk, Raichur district. 59 students participated in the programme. Quiz & Essay competitions were held during the programme. Special lecture regarding the life of Dr H Narasimhaiah was also delivered. This programme was sponsored

by KSTePS in association with Department of School Education & Literacy Raichur. The budget spent by SRSC Raichur is Rs. 1795/- .



Fig 10: Sri Bheemaray SDMC Chairman garlanding to the Photo of Dr H Narasimhaiah at the programme



Fig 11: Winners of the competitions with the prizes

7. INTERNATIONAL MOON DAY:

The programme was conducted on 20.07.2022 for students at Sub Regional Science Centre Raichur. 24 students & teachers from various government high schools of raichur & devadurga taluk participated in the programme. Activities related to Moon phases, synchronius rotation of moon etc were conducted during the programme. Special lecture regarding the moon was also delivered by Dr A S Kiran Kumar, former Chairperson ISRO thru hybrid mode. This programme was conducted in association with ISRO & Jawaharlal Nehru Planetarium Bengaluru. The budget spent by SRSC Raichur is Rs. 8700/- .

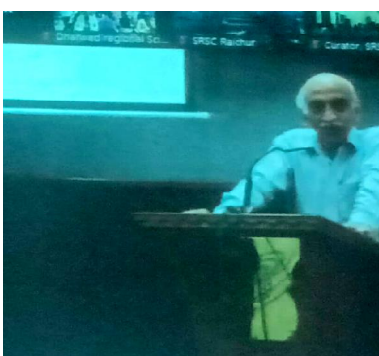


Fig 12: Dr A S Kiran Kumar Addressing the students



Fig 13: Students actively participated in the activities

8. WORLD ENVIRONMENT DAY:

The programme was conducted on 08.08.2022 for students at Sub Regional Science Centre Raichur. 32 students from Smt Renukadevi Sri Narasanagouda Public School of Raichur participated in the programme. Special lecture on Only One Earth was delivered &

quiz competition was also conducted during the programme. Saplings were also planted during the programme. This programme was sponsored by KSTePS.



Fig 14: Ajith, Curator delivering the lecture during the programme



Fig 15: Glimpse of the Quiz competition

9. AWARENESS PROGRAMME FOR UNNATI SAKHI'S (WOMEN ENTREPRENEURS) REGARDING FOOD ADULTRATION:

The programme was conducted on 01.09.2022 for women entrepreneurs of code unnati project of UNDP at Madar Chennaiya Samskrutika Bhavana, Raichur. 23 women from MANvi, Sirwar, Raichur & Devadurga taluks participated in the programme. Presentation regarding food & its adulterants & simple detection methods was done at the programme. Resource materials regarding the same was also provided. This programme was sponsored by UNDP Raichur.



Fig 16. Kumari Vidya, Education Assistant addressing the participants in the session



Fig 17. Participants expressing their opinion about the programme.

10. PERSONALITY DEVELOPMENT PROGRAMME FOR YOUTHS REGARDING DEVELOPMENT OF SCIENTIFIC TEMPER:

The programme was conducted on 02.09.2022 for Govt First Grade College Students at Sub Regional Science Centre Raichur. 88 students from GFGC Raichur participated in the

programme. Special lecture regarding development of Scientific Attitude & Temper among youths was delivered by Prof. Dr. Ratan Chauhan, Navodaya college for Education . This programme was sponsored by KSTePS, Bengaluru. The budget spent by SRSC Raichur is Rs. 11480/- .



Fig 18. Smt Vijayshree Patil, HOD Physics, GFGC Raichur addressing the students



Fig 19. Prof. Dr. Ratan Chauhan, addressing the students during the programme

11. OBSERVATION OF PARTIAL SOLAR ECLIPSE:

The programme was conducted on 25.10.2022 for general public at Sub Regional Science Centre Raichur. 20 members participated in the programme and observed the phases of sun during the eclipse thru sun projection system and solar filter goggles. Special lecture regarding eclipse was also delivered. This programme was sponsored by KSTePS, Bengaluru.



Fig 20. Observation of the sun during the Solar eclipse thru solar filter goggles



Fig 21. Distribution of book related to eclipse to the participants

12. AWARENESS PROGRAMME REGARDING DIGITAL LITERACY, CYBER SECURITY & INDUSTRIAL SAFETY:

The programme was conducted on 09.11.2022 for Govt ITI College Students at Sub Regional Science Centre Raichur. 163 students from Govt ITI College Raichur participated in the programme. Special lectures regarding digital literacy, cyber security & industrial safety were

delivered by the resource persons. This programme was sponsored by KSTePS, Bengaluru. The budget spent by SRSC Raichur is Rs. 34909/- .



Fig 22. Paritipants in the programme



Fig 23. Sri Maheboob Jilan, District Skill Development Officer addressing the students after inaugurating the programme



Fig 24. Sri M N Khasim Sab, Dist Fire Station Officer & team conducted the fire drill during the session

13. SPECIAL LECTURES: DEVELOPMENT OF SCIENCE & TECHNOLOGY IN INDUSTRIAL & HUMAN WELFARE & ITS USES:

The programme was conducted on 10.11.2022 for Govt ITI College Students at Sub Regional Science Centre Raichur. 160 students from Govt ITI College Raichur participated in the programme. Special lectures regarding development of science & technology in industrial & human welfare & its uses, innovations, skill connect, financial assistance for young entrepreneurs, were delivered by the resource persons. This programme was sponsored by KSTePS, Bengaluru. The budget spent by SRSC Raichur is Rs. 39654/- .



Fig 25. Paritipants in the programme



Fig 26. Sri Basavaraj Yenkanchi, Deputy Director, Industries & Commerce addressing the students during technical session

14. SCIENCE WORKSHOP FOR PARAMEDICAL STUDENTS:

The programme was conducted on 05.12.2022 for paramedical Students at Sub Regional Science Centre Raichur. 161 paramedical students from Raichur participated in the programme. Demonstrations & lectures regarding topics in Physics, chemistry & biology subject related to syllabus of paramedical course were delivered by the resource persons. This programme was sponsored by KSTePS, Bengaluru. The budget spent by SRSC Raichur is Rs. 40445/- .



Fig 27. Physics Resource person Prof. Shamshudden interacting with the paritipants in the programme



Fig 28. Demonstration related to surface tension topic

15. SPECIAL LECTURE ON HEALTH & HYGIENE

The programme was conducted on 10.12.2022 for GHPS school Students at Sub Regional Science Centre Raichur. 103 students from GHPS Station Bazaar Raichur participated in the programme. Sessions regarding Health & Dental Hygiene were carried. This programme was sponsored by KSTePS, Bengaluru. The budget spent by SRSC Raichur is Rs. 11622/- .



Fig 29. Resource person Dr. Praveen Kumar, Dentist, interacting with the participants in the programme



Fig 30. Resource person Dr. Sandeep Patil, Paediatrician, during the session

16. AWARENESS PROGRAMME ON PERSONAL HYGIENE & PROBLEMS IN ADOLESCENTS:

The programme was conducted on 16.12.2022 for students of Govt Pre University College Girls at Sub Regional Science Centre Raichur. 109 students from Govt Pre University College for Girls, Munnurwadi Raichur participated in the programme. Sessions regarding Personal Health & Hygiene & problems of Adolescent Girls were carried. This programme was sponsored by KSTePS, Bengaluru. The budget spent by SRSC Raichur is Rs. 11374/- .



Fig 31. Participants in the programme



Fig 32. Inauguration of the programme



Fig 33. Psychiatrist, DMHP Raichur Dr. Manohar Pattar, during the session



Fig 34. Kumari Vidya, Education Assistant delivering session about personal hygiene

17. ORIENTATION PROGRAMME FOR MATHS TEACHERS REGARDING CELEBRATION OF NATIONAL MATHEMATICS DAY AT SCHOOLS:

The programme was conducted on 20.12.2022 for teachers of Govt Higher primary school & High Schools at Teacher Resource Centre, BEO Office Campus, Devadurga. 46 Government school teachers of devadurga taluk participated in the programme. Sessions regarding activities & development of TLMs for students in maths subject were carried. This programme was sponsored by KSTePS, Bengaluru. The budget spent by SRSC Raichur is Rs. 16389/- .



Fig 35. Teachers actively participated in the practical session



Fig 36. Smt Indira R, Block Education Officer, addressing the participants

18. SCHOOL LEVEL MATHEMATICS WORKSHOP ON THE OCCASION OF NATIONAL MATHEMATICS DAY- 2022

The programme was conducted during the period 22.12.2022 to 31.01.2023 for students of 50 Govt schools at their respective schools. in the taluk. A total of 5261 students participated in the workshops. Sessions concentrated on underachieved mathematical outcomes in the students.. This programme was sponsored by KSTePS, Bengaluru. The budget spent by SRSC Raichur is Rs. 49875/- .



Fig 37. Students participating in the mathematics model workshop at Governemnet Higher Primary School Gundagurthi of Devadurga Taluk



Fig 38 Smt Indira R, Block Education Officer Devadurga observing the mathematics model developed and exhibited during the workshop at Governemnet Higher Primary School Joladahedagi of Devadurga Taluk

19. SCIENCE COMMUNICATION & PROPOGATION PROGRAMME

The programme was conducted during the period 28.12.2023 to 31.01.2023 for students of eight Govt schools at their respective school premices. A total of 956 students participated in the programme. Under this programme various competitions were conducted to the students at their school level. This programme was sponsored by KSTePS, Bengaluru. The programme was conducted in association with Taare Zameen Pe organization and was sinked with mobile planetarium programme.



Fig 39. Science Quiz Competition
Governemnet Higher Primary School
Midagaladinni



Fig 40. Science Quiz Competition at
Governemnet Higher Primary School K.M.C
Gunjhalli

20. LIGHT: REFLECTION & REFRACTION

The programme was conducted on 07.01.2023 for students of Smt Renukadevi Sri Narasanagouda Public School, Ashapur village . A total of Ten SSLC students participated in the programme. In this programme students were made to perform activities on Reflection & Refraction.



Fig 41. Demonstration of refraction of light



Fig 42. Demonstration of virtual and real
image formation through lens

21. National Science Day 2023- Fun with Magnets activity

The programme was conducted on 04.02.2023 for students of Akshaya Techno School, Raichur. A total of 31 students participated in the programme. In this programme students were made to perform activities on magnet. through this activity children were taught about types of magnets, attraction and repulsion, identifying magnetic field, electromagnetic field. This programme was sponsored by KSTePS, Bengaluru. The budget spent was Rs. 5734/- .



Fig 43. Ajith kumar, Curator, Sub Regional Science Centre Raichur addressing the students



Fig 44. Students involved in activities.

22. National Science Day 2023- Science experiment demonstration programme.

The programme was conducted on 07.02.2023 for students of SGG Sanbal School, Raichur. A total of 66 students participated in the programme. In this programme the practical demonstration related to 10th std SSLC science subject was done. This programme was sponsored by KSTePS, Bengaluru. The budget spent was Rs. 11084/- .



Fig 45. Participants in the programme



Fig 46. Vidya, Education Assistant, Sub Regional Science Centre Raichur demonstrating chemical reaction.

23. National Science Day 2023- Science experiment demonstration programme.

The programme was conducted on 10.02.2023 for students of GHS Matamari, Raichur. A total of 112 students participated in the programme. In this programme the practical demonstration related to 10th std SSLC science subject was done and special lecture session regarding fun science, human anatomy and reptiles also conducted. This programme was sponsored by KSTePS, Bengaluru. The budget spent was Rs. 35572/-.



Fig 47. Participants in the programme



Fig 48. Prof C.D. Patil, Member, Executive Committee, Sub Regional Science Centre Raichur addressing the students



Fig 49. Sri Santosh, Asst Teacher, GHS Matamari demonstrating Physics experiments.



Fig 50. Distribution of books to the students.

24. National Science Day 2023- Science experiment demonstration programme.

The programme was conducted on 11.02.2023 for students of Moulana Azad English Medium school Raichur. A total of 20 students participated in the programme. In this programme the practical demonstration related to 10th std SSLC science subject was done and special lecture session regarding fun science, human anatomy and reptiles also conducted. This programme was sponsored by KSTePS, Bengaluru. The budget spent was Rs. 1236/-.



Fig 51. Participants in the programme



Fig 52. Students involved in activities.

25. Public Awareness programme on superstition and blind belief

The programme was conducted on 22.02.2023 at Athanur village of Sirwar Taluk. A total of 85 members comprising of farmers and home makers of Sirwar, Athanur, Shakhapur and Jakkaladinni villages participated in the programme. The session mainly focused on explanation about types of superstition and blind belief followed in these villages. Sessions about Food adultration and environmental friendly farming were also conducted.



Fig 53. . Participants in the programme



Fig 54. Prof. P H Narahatti, Retd Principal, LVD College Raichur during the session of superstition and blind belief



Fig 55. Vidya, Education Assistant, Sub Regional Science Centre Raichur during the session of food adultration.



Fig 56. Distribution of books to the villagers.

26. Celebration of National Science Day 2023

The programme was conducted on 28.02.2023 at GHPS Station Bazaar and GHPS Timmapurpet Raichur. A total of 234 students from Govt Higher Primary School Timmapurpet participated in the programme and exhibited the models prepared by them. A total of 263 students from Govt Higher Primary School Station Bazaar participated in the programme and involved in the activities. Special lecture was delivered by Prof. Shamshuddin, Retd HOD Physics LVD College Raichur at both the schools. This programme was sponsored by KSTePS, Bengaluru



Fig 57. Special lecture by Prof. Shamshuddin, Retd HOD Physics LVD College Raichur at Govt Higher Primary School Station Bazaar



Fig 58. Smt. R Indira, Education Officer, Dept of Public Education and Literacy watching Science Rangoli drawn by student at Govt Higher Primary School Station Bazaar



Fig 59. Students exhibiting the models at Govt Higher Primary School Timmapurpet



Fig 60. Glimpse of prize Distribution at Govt Higher Primary School Timmapurpet

27. School level Competitions on the account of National Science Day 2023

On the occasion of National Science Day 2023 it is planned to conduct School Level Competitions and celebrate National Science Day 2023 in 50 government schools. The competitions such as Quiz, Essay, Speech, Drawing, Exhibition Science Rangoli, activity demonstration, debate etc were conducted in each school. So far the participate number is 12886. This programme is sponsored by KSTePS, Bengaluru. The budget spent was Rs. 59800/-.



Fig 61. Students involved in School level Competitions on the account of National Science Day 2023 at Govt Higher Primary School Gonwar Raichur



Fig 62. Students involved in School level Competitions on the account of National Science Day 2023 at Govt High School Bijanagara Raichur



Fig 63. Students involved in School level Competitions on the account of National Science Day 2023 at Govt Higher Primary School Mushtoor Tq. Manvi



Fig 64. Students involved in School level Competitions on the account of National Science Day 2023 at Govt High School Valaballary Tq. Sindhanur.