
	Sri Ramakrishna Mission Vidyalaya College of Education (An Autonomous College Affiliated to the Tamil Nadu Teachers Education University and Re-accredited with A++ Grade by NAAC with CGPA 3.82)	NAAC 3 rd Cycle
	Sri Ramakrishna Vidyalaya Post, Periyanaickenpalayam, Coimbatore - 641 020. Phone: 80125 33915 E-mail: srkvcoen@yahoo.co.in Website: www.srkvcoe.org	Criterion II Metric 2.3.5

CRITERION II

TEACHING - LEARNING AND EVALUATION

2.3.5 Continual mentoring is provided by teachers for developing Professional attributes in students

Any Other Relevant Information

	<p>Sri Ramakrishna Mission Vidyalaya College of Education (An Autonomous College Affiliated to the Tamil Nadu Teachers Education University and Re-accredited with A++ Grade by NAAC with CGPA 3.82) Sri Ramakrishna Vidyalaya Post, Periyanaickenpalayam, Coimbatore - 641 020. Phone: 80125 33915 E-mail: srkvcoen@yahoo.co.in Website: www.srkvcoe.org</p>	<p>NAAC 3rd Cycle</p> <hr/> <p>Criterion II Metric 2.3.5</p>
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Any Other Relevant Information

S.No	Activities / Particulars
1	Leadership Training Programme – Basic Scout Masters Training Camp
2	Stimulation of Analytical Thinking Training Programme
3	Special Lecture cum Demonstration on Preparing Low-cost Teaching Aids
4	Self-Supporting Courses through Online Mode

1. Leadership Training Programme



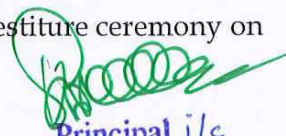
SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF EDUCATION
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Report **Basic Scout Masters Training Camp**

The Basic Scout Masters Training Camp was conducted by the College of Education from 15.04.2023 to 21.04.2023. The camp started with Flag Hosting on 15.04.2023 in the presence of Trainers of Bharat Scouts and Guides. All the student-teachers were assembled in "Horse shoe shape" and they were provided with basic instruction of the programme. The programme was formally inaugurated in the multi-purpose hall with a prayer. Sri. M. Logeshwaran, B.Ed. (II Year) Student-Teacher delivered the welcome address. Sri. B. Sivakumaran LT (S), District Commissioner, Bharat Scouts and Guides, Coimbatore and Sri. R. Lakshmanan ALT (Cub), District Training Commissioner, Konghu Mandalam District Association delivered the introductory speech. Dr.S.Sivasankar, Director of Physical Education, Sri Ramakrishna Mission Vidyalaya College of Education proposed vote of thanks.

After the inaugural function, the Master's trainers explained about Patrol system and divided the students into six patrols. Also, they explained about the Scout salutation, organisational structure, marching drills, knots and lashes, fire and compass and Baden Powell Exercises. They also arranged hiking to Sri Aranganathar Temple, Palamalai and took the student-teachers to there and conducted Swachh Bharat activity, nature walk, knots and lashes, and sensitivity games. The valedictory function of Basic Scout Masters Training Course was held at conference hall on 20.04.2023. Sri. B. Sivakumaran LT (S), District Commissioner, Bharat Scouts and Guides, Coimbatore presented the report of the Leader of the Course. Dr. G. Subramonian, Principal, Sri Ramakrishna Mission Vidyalaya College of Education delivered the chief guest address. He lit the camp fire with the respective patrol leaders. The student-teachers took part in various events and showed their talents through skit, songs etc. Finally, Dr. S. Sivasankar, Coordinator of the Camp and Director of Physical Education, Sri Ramakrishna Mission Vidyalaya College of Education proposed vote of thanks. The camp ended with the investiture ceremony on 21st April 2023.




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Basic Scout Masters Training Camp (15.04.2023 to 21.04.2023)



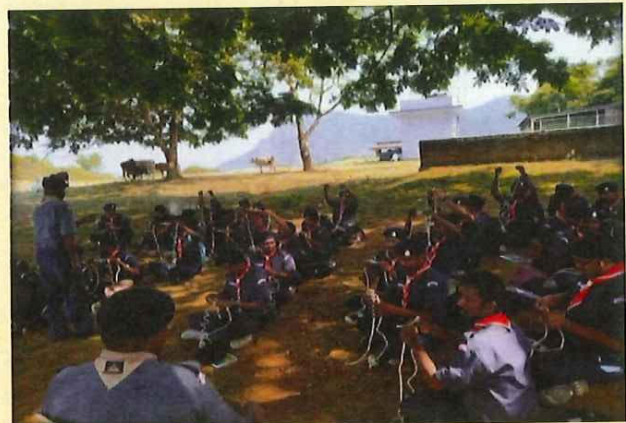
Flag Hoisting



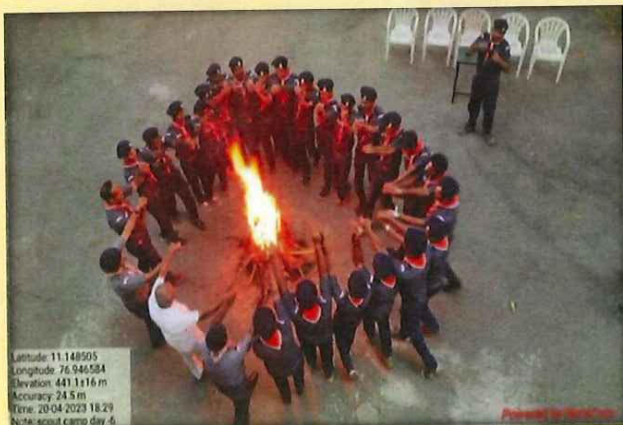
Baden Powell Exercise



First-Aid



Knots and Lashes

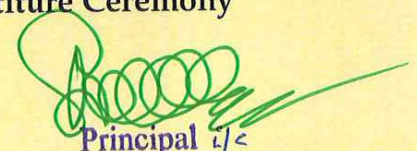


Camp Fire



Investiture Ceremony




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2. Stimulation of Analytical Thinking Training Programme



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Coimbatore - 641 020**

Stimulation of Analytical Thinking through Mathematics among School Students

Introduction:

Analytical thinking is a crucial skill that enables individuals to approach complex problems and challenges by breaking them down into smaller parts, analyzing them, and then putting them back together to form a solution. It is an essential skill for students to develop, as it helps them think critically and creatively, and it is useful in various academic and professional pursuits. In recognition of the importance of analytical thinking skills, Sri Ramakrishna Mission Vidyalaya College of Education initiated classes to develop these skills among school students.

Objectives:

- To promote analytical thinking skills among students from the sixth standard to the ninth standard.
- To enhance the pedagogical abilities of B.Ed. Student teachers and faculty members in delivering Mathematics education that stimulates analytical thinking.
- To create a competency-based educational approach that seamlessly incorporates analytical thinking strategies into the teaching of Mathematics.
- To establish a nurturing and participative learning setting that encourages teamwork, creativity and the development of problem-solving abilities
- To appraise students' advancements and offer them feedback by employing evaluation and feedback methods.




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Methodology:

a) Curriculum Integration:

A team of Mathematics educators, and experts and analytical thinking collaborates to integrate analytical thinking skills in existing curriculum that aligns with the national educational standards and promotes higher order thinking skills. The curriculum incorporates interactive teaching methods, problem-solving activities, and real-world applications of Mathematics.

b) Teacher Training:

Student teachers and faculty members received specialized training in instructional strategies that foster analytical thinking in Mathematics. The training included periodical workshops and orientations to equip teachers with the necessary skills to implement the programme effectively.

c) Implementation:

The programme implemented in campus schools, covering students from the first standard to the ninth standard. Teachers deliver the curriculum using a student-centered approach, encouraging active participation, critical thinking and analytical reasoning. The lessons designed to engage students in challenging problem-solving tasks and promote higher-order thinking skills.

d) Assessment and Feedback:

Ongoing assessment tools, such as formative and summative assessments, utilized to monitor students' progress and provide feedback.




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The primary goal of Analytical Thinking classes is to develop analytical thinking skill among school students through teaching Mathematical concepts. Mathematical abilities are essential because they provide structure for rationally solving problems. It helps in the conceptualization of several areas that include verbal components such as numerical knowledge, counting and reasoning as well as non-verbal components such as Mathematical notation, reasoning in time and space, calculation, and so on.


Mathematical exercises such as puzzles, riddles, and open-ended inquiries, finding patterns, brainstorming ideas, analysing data, and making situational decisions among students were planned and executed. Application of analytical thinking components paves the way for enhancing the IQ levels. It supports the growth of pupils' critical and creative thinking. It teaches children how to think differently in a diverse range of situations. Utilization of advanced technology in analytical classes stimulates the interest, curiosity and helps pupils to familiarize Mathematical concepts easily.

Phase I : Trainer Training Programme:

Regular Trainer's Training Programme on Stimulating Analytical Thinking through Mathematics is conducted for student teachers and question paper setters. The Programme coordinated by Sri. V. Eswaran, Assistant Professor in Mathematics and organized by the Internal Quality Assurance Cell, Sri Ramakrishna Mission Vidyalaya College of Education.

The programme has been designed to introduce teaching strategies and syllabus related to stimulating analytical thinking through Mathematics. It will cover various topics including the introduction to Moodle (LMS), hands-on training in Google Sheet, Google quiz and question bank preparation using various resources. The aim of the programme is to equip Student – teachers and Research scholars with the necessary skills and knowledge to promote analytical thinking and problem-solving abilities among school students through Mathematics.




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Phase – II : Implementation of Programme

Sri Ramakrishna Mission Vidyalaya College of Education initiated organising the Classes on "Stimulation of Analytical Thinking through Mathematics among School Students" for sixth grade students to ninth grade students of Sri Ramakrishna Mission Vidyalaya Swami Shivananda Higher Secondary School. Student-Teachers from Sri Ramakrishna Mission Vidyalaya College of Education and Ph.D Scholars from Department of Mathematics, Sri Ramakrishna Mission Vidyalaya College of Arts and Science has been handling the Analytical Thinking Classes weekly once for a period of 45 minutes duration. Analytical Thinking Tests were conducted through online mode twice in a month to assess pupils' progress. The programme coordinated by Sri. V. Eswaran, Assistant Professor in Mathematics.

Beneficiaries:

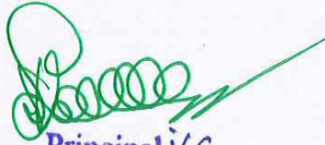
Following is the number of students benefited from stimulation of Analytical Thinking through Mathematics.

Class	Boys	Girls	Total
VI	122	56	178
VII	113	38	151
VIII	132	38	170
IX	162	72	234
Total	529	204	733

Impact:

The analytical thinking classes organized by Sri Ramakrishna Mission Vidyalaya College of Education helped students develop analytical thinking skills. The online analytical thinking tests conducted twice a month helped assess the progress of students. The students have shown improvement in their analytical thinking skills, which is evident from the progress shown in the analytical thinking tests conducted online.




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Moreover, the classes also helped students in enhancing their IQ levels, which will be helpful in their future academic and professional pursuits. Analytical thinking skills help students to think critically and creatively, which is essential in various areas of their life. By developing analytical thinking skills, students will be able to tackle challenges with more ease, which will help them achieve their goals. The use of advanced technology in analytical classes has made the classes more interesting and engaging for students. The students were introduced to new tools, such as educational apps, that allowed them to learn and practice analytical thinking skills in a funny and interactive way. By incorporating technology, the classes were able to stimulate the interest and curiosity of students, which helped them familiarize themselves with Mathematical concepts more easily.

Roles and Responsibilities:

Sri. V. Eswaran, as the coordinator of the programme, played a crucial role in planning, organizing, and overseeing its execution. The B.Ed. student teachers (Mathematics and Physical Science) from Sri Ramakrishna Mission Vidyalaya College of Education actively participated in the programme by conducting analytical thinking classes for the students. Mathematics student teachers were responsible for preparing the analytical thinking question papers and conducting online tests. Their efforts were closely guided and supervised by Sri. V. Eswaran, Assistant Professor in Mathematics.

Outcomes of the Programme:

- Improved analytical thinking skills among school students and student teachers leading to enhanced problem-solving abilities and critical thinking.
- Increased engagement and motivation among students due to the interactive and challenging nature of the curriculum.
- Strengthened Mathematical foundations, as students learn to apply analytical thinking strategies to solve complex problems.
- Enhanced pedagogical skills of student teachers, resulting in more effective delivery of Mathematics education that stimulates analytical thinking.




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Glimpses

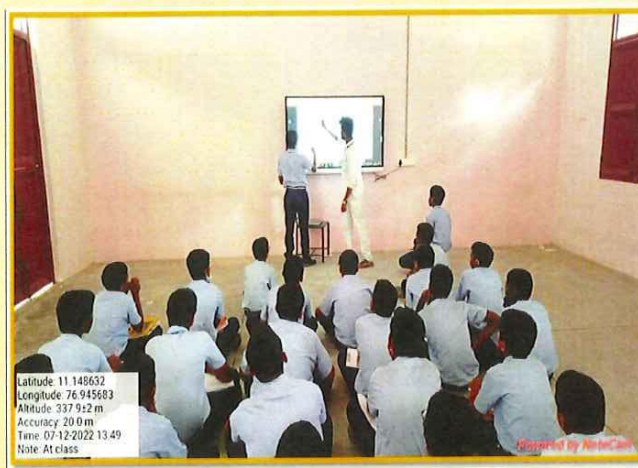
Stimulation of Analytical Thinking through Mathematics among School Students



Trainer Training Programme



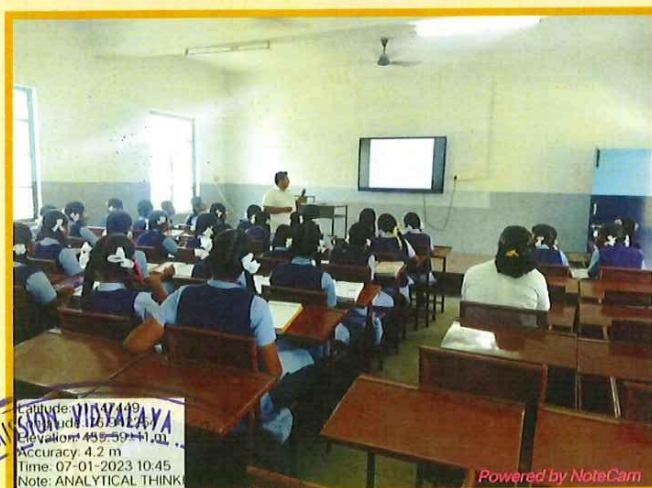
Thinking Activity for Student teachers



Analytical Thinking Class



Analytical Thinking Class



Analytical Thinking Class



Analytical Thinking Class

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3. Special Lecture cum Demonstration on Preparing Low-cost Teaching Aids

One-day Workshop on Low-cost Teaching Aids Making

Sri Ramakrishna Mission Vidyalaya College of Education in association with Agastya Foundation, Bengaluru organised a workshop on low cost teaching aids for II Year B.Ed Student Teachers on 22nd July 2022 at College of Education Campus. The main idea was to discuss the facts that low-cost teaching aids are an effective tool as it helps to understand various complex scientific principles in an easy way.

Resource Persons from Agastya Foundation emphasised the need to inculcate passion amongst students for science by making classroom teaching more interactive and enjoyable through use of low-cost teaching kits. Tools were designed to engage students through hands on activities for faster learning, discourage cramming and make the subject interesting for them. Further, studies have suggested that students remember 90 percent of what they do and are demonstrated through the medium of science communication.

The participants during the workshops were trained to make easy to use low-cost teaching kits in classroom, which could help in improving conceptual understanding and promoting creativity among students. The student teachers showed keen interest in the workshop and prepared their own low-cost teaching kits demonstrating various scientific principles.

Orientation on Agastya International Foundation activities for school and college students were given. Significance of Agastya's Outreach Programs were also emphasized.

The volunteers from Agastya also oriented about different programmes and initiatives offered by Agastya International which include

Outreach Programs

1. Mobile Science Lab

Activities included in Mobile Lab:


- Science Fairs
- Teacher Training Workshops
- Community Visits

2. Science Center

3. Lab in a Box

4. Lab on a Bike




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5. iMobile Lab
6. Young Instructor Leader
7. Operation Vasantha
8. Mobile Innovation Lab
9. Innovation Hub
10. Teacher Training
11. ActiLearn
12. LOB Electronics
13. Raspberry Pi
14. Agastya's Digital Initiative

Students also visited the mobile science lab which was stationed at the campus and the volunteers demonstrated different teaching aids for the student teachers.

Outcomes:

Student teachers gained an idea about designing low-cost teaching aids for their classrooms. These teaching aids can be used in their respective internship schools. They were oriented that the concepts taught using interactive materials and teaching aids will enhance the conceptual understanding of students in schools.



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Workshop on Low-cost Teaching Aids



Workshop Introduction



Agastya International



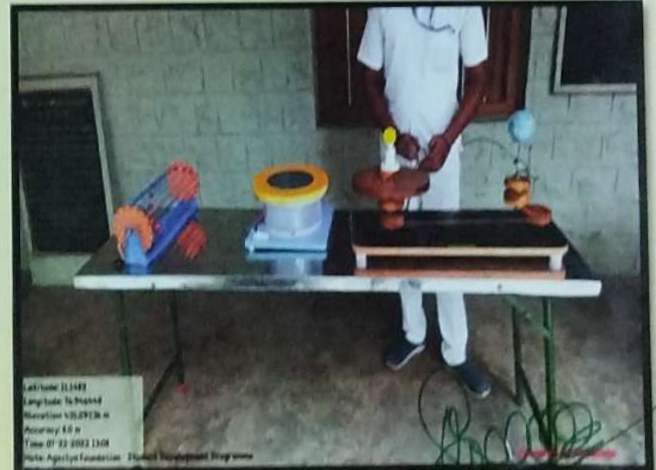
Working with Low-cost Aids



Interaction with students



Working Models - Demonstration



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4. Self-Supporting Courses through Online Mode

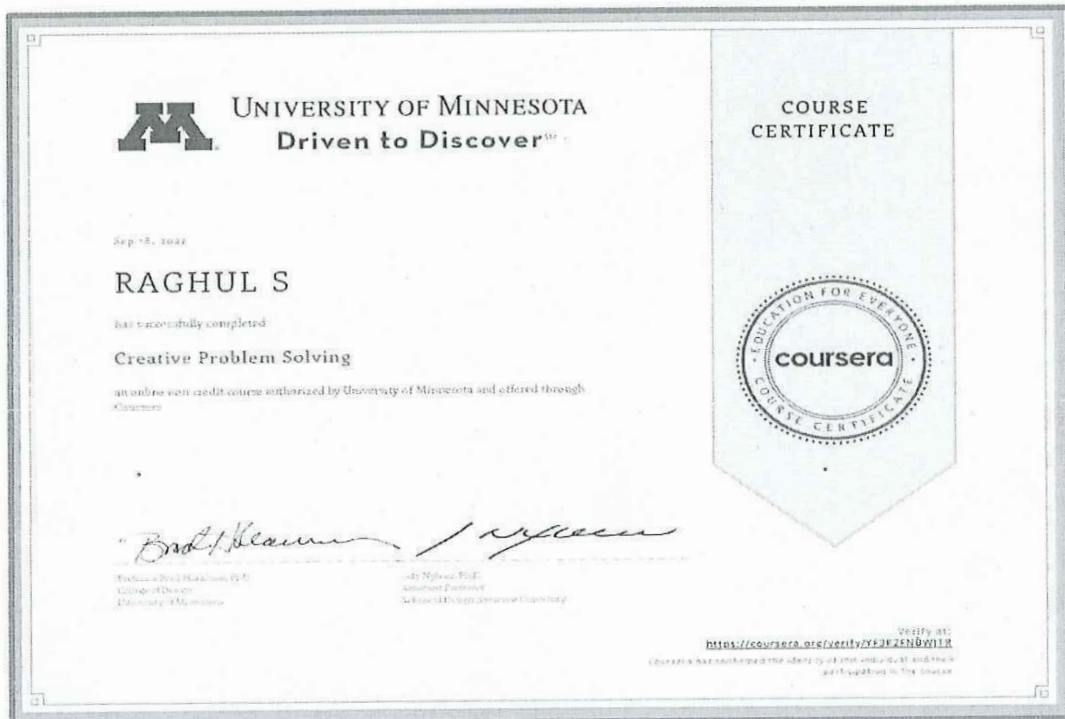
Sri Ramakrishna Mission Vidyalaya College of Education motivated student-teachers to engage in self-learning online courses in various platforms for developing their professional attributes. The teacher educators intimated the student-teachers frequently and updated the recent developments in educational courses to the student-teachers. The following courses were completed by our student-teachers during their programme of study.



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