Two day National level Workshop

On

Interactive Teaching and Active
Learning Strategies for Teacher
Trainees: A Teacher empowerment programme

Batch 1: 2nd & 3rd August, 2023

Batch 2: 4th & 5th August, 2023

Organized by

Govt. Institute of Advanced Study in Education

B- Camp, Kurnool-518002 Andhra Pradesh

In Association

With

ROYAL SOCIETY OF CHEMISTRY

Bengaluru, Karnataka.

(Under Yusuf Hamied Inspirational Professional
Development Programme)

CHIEF PATRON

Dr. Pola Bhaskar, IAS

Commissioner of Collegiate Education Govt of Andhra Pradesh.

PATRON

Dr. R. Adinarayana Reddy Principal, Govt.IASE, Kurnool.

RESOURCE PERSONS

Ms. Karima Anjum C.S.

Teacher Developer Royal Society of Chemistry Bengaluru, Karnataka.

Sri A. Satyanarayana

Lecturer in Chemistry Govt Degree College for Men Kurnool.

Dr. M. Balaraju

Lecturer in Chemistry Silver Jubilee Govt College Kurnool,

CONVENER

Dr. G. Nagalakshmamma

Lecturer in English Govt. IASE, Kurnool

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Lecturer in Biological Sciences Govt. IASE, Kurnool.

Dr.Y.Kalyan Kumar

Physical Director Govt. IASE, Kurnool.

ORGANIZING COMMITTEE MEMBERS

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Lecturer in Physical Sciences Govt. IASE, Kurnool.

Sri. G. Mohammad Rafiq

Lecturer in Education Govt. IASE, Kurnool.

Sri. B.D. Sudheer Raju

Drawing Master Govt. IASE, Kurnool.

Sri. V. Sreenivasulu

Superintendent Govt. IASE, Kurnool. Dr.R.Adinarayana Reddy,

Patron of the workshop, Principal, Govt. IASE, B.Camp, Kurnool - 518001.

MESSAGE

I am immensely pleased to convey my best wishes to all those who are associated with the "TWO DAY NATIONAL LEVEL WORKSHOP" on Interactive Teaching and Active Learning Strategies for Teacher Trainees: A Teacher Empowerment Programme. It is quite appropriate and timely that a Two-Day National Level Workshop of this kind is being held in our college. I hope that the teacher trainees are the best beneficiaries. I also hope and wish that this workshop will bring about a better change in the active learning strategies for teacher trainees. Needless to mention that GOVT. IASE college, is one of the leading colleges in the Rayalaseema, Andhra Pradesh, imparting teacher education at U.G. level.

I wish the convenor, organizing committee members and teacher trainees for the success of Two-Day National Level Workshop.

Dr. R. Adinarayana Reddy.

Dr. G. Naga Lakshmamma,

Convenor of the workshop, Lecturer in English, Govt. IASE. College, B-Camp, Kurnool -518001.

PREFACE

Deem it my privilege to write a few words about the "TWO DAY NATIONAL LEVEL WORKSHOP" held on 02.08.2023 to 05.08.2023 at Govt. IASE College, Kurnool.

The response to the call is over whelming and the ideas presented are remarkably note
- worthy. I appreciate the teacher trainees interaction with the resource persons, lam proud to
say that this workshop has turned out to be a fruitful academic exercise.

Dr. G. Naga Lakshmamma

Preamble of the Workshop

- India will have the highest population of young people in the world over the next decade, and our ability to provide high quality educational opportunities to them will determine the future of our country.
- The teacher must be at the centre of the fundamental reforms in the education system.
- The programme is intended to motivate and help in developing the professional skills of the participants by providing them new tools for delivering, engaging and effective lessons.
- In this programme, participating teachers or teacher trainees would be introduced to proven active learning techniques that can be efficiently implemented in the teaching learning process.
- This will help them in motivating students to develop their knowledge and enthusiasm towards science and society.
- It is our great honour and privilege to have this opportunity to invite you to allocate your prestigious time and efforts to participate in the workshop to develop and augment the skills in delivering quality education and thus raise the standards of science education in India.
- We expect this gathering to be informative and intellectually stimulating. We will be pleased if you could join in our event.

About the Workshop

The workshop includes three phases. Teacher trainees will get time to try out some new techniques in each phase.

- Towards active learning (workshop-1): Teachers are introduced to the idea of
 active learning and apply some new techniques which they can implement in
 their classrooms. In addition to this, they get experience of planning a lesson
 based around active learning techniques and NEP aligned activities.
- Developing Active Learning Tools (ALT) in Science (workshop-2): This
 workshop focuses on a key theme that underpins chemistry reactions and
 equations. Techniques are introduced to increase students confidence when
 dealing with reactions and equations, helping them succeed in chemistry.
- 3. Taking Active Learning Tools (ALT) further in Science (work- shop-3): This workshop tackles in subject that many students find difficult abstract idea of the particle nature of matter and discuss common students misconceptions and how they can be overcome and introduce some new acting learning techniques for teachers to try out. Throughout the training/ workshop, the teacher trainees can be adapted to suit varied local contexts.

The teacher trainees will receive a certificate only if they attend all the sessions (2 days).

Who can attend?

This workshop is open to all teacher trainees. It is a 10 hour Schedule, spread over two days. It is conducted at Govt. IASE, B-Camp, Kurnool. Participants are provided with free training modules and a Certificate.

ABOUT ROYAL SOCIETY OF CHEMISTRY

The Royal Society Of Chemistry is the world's leading chemistry community, advancing excellence in the chemical sciences. With over 50,000 members and a knowledge business that spans the globe, this is the UK's professional body for chemical scientists; a not for profit organization with 175 years of history and an international vision for the future. RSC works to shape the future of the chemical sciences: for the benefit of science and humanity.

ABOUT RSC- YHISP [RSC-YUSUF HAMIED INSPIRATIONAL

CHEMISTRY PROGRAMME]

- RSC-YHISP is a Professional Development Programme for Science Teacher. Dr. Yusuf
 Hamied [Non Executive Chairman -Cipla Limited] is the founder of RSC Bangalore.
 He is the philanthropist and health care pioneer, has made a very generous donation to
 support our Science Education Programme for teacher trainees. Thanks to Dr. Yusuf
 Hamied's generous funding, the course is completely free for all teachers and Schools.
- Over the past five years, they have trained over 40,000 teachers across India with the specialist knowledge and skills to deliver exciting and engaging science lessons, and to share their knowledge with their colleagues.
- Over 1,600 of the brightest chemistry students from all backgrounds were trained at RSC chemistry campus, to motivate and inspire them to reach the necessary Standards to study chemistry at University.
- They are managing this programme in collaboration with leading Indian Academic Institutions.

About Govt. Institute of Advanced study in Education [ASE], B-Camp, Kurnool.

Institute of Advanced Study in Education, B-Camp, Kurnool was established in 1952 as Government Training College to cater the long felt need of the region for trained teachers and started functioning in June 1952 having affiliation with University of Madras in purauance G.0.Ms. No. 1069 of Education Dept. of Madras State Government. Now it offers a 2 year UG Degree Bachelor of Education [B.Ed.] which is approved by NCTE, New Delhi.

The Programme is delivered by highly experienced faculty. The Institute has a well - supported campus with facilities like Auditorium, cafeteria, Gym, Labs, Library and sports complex. It is now located in the heart of the city Kurnool and well connected by Road, Rail and Air. Its affiliation changed to Sri Venkateshwara University, Tirupati and then to Sri Krishnadevaraya University, Ananthapur and finally to Rayalaseema University, Kurnool.

About Kurnool.

Kurnool city is the Gateway of Rayalaseema of Andhra Pradesh located in between two rivers i.e., Tungabhadra and Handri. It is erstwhile capital of Andhra state which is well connected by road and train. Important tourist places are - Kurnool Fort, famous Jyothirlinga shrine Shri Mallikarjuna Swamy Temple, Hydroelectric project, Rajiv Tiger Reserve at Srisailam, Temples at Mahanandi. Ahobilam, Mantralayam, Jogulamba Shakti Peetam, Ancient Belum caves are located in a travelling distance of 2 to 3 hours from Kurnool.

GOVT. INSTITUTE OF ADVANCED STUDY IN EDUCATION B-CAMP, KURNOOL.

TWO DAY NATIONAL WORKSHOP

AGENDA

- · Inviting the guests on to the dias.
- Lighting the lamp.
- Prayer.
- Presidential Remarks.
- Address by Convenor.
- Brief introduction of Miss. Karima Anjum madam by Surabhi.
- Keynote address by Miss. Karima Anjum madam.
- Speech by Sri. A.Satyanarayana sir.
- Tea break.

And session continues after tea-break.

















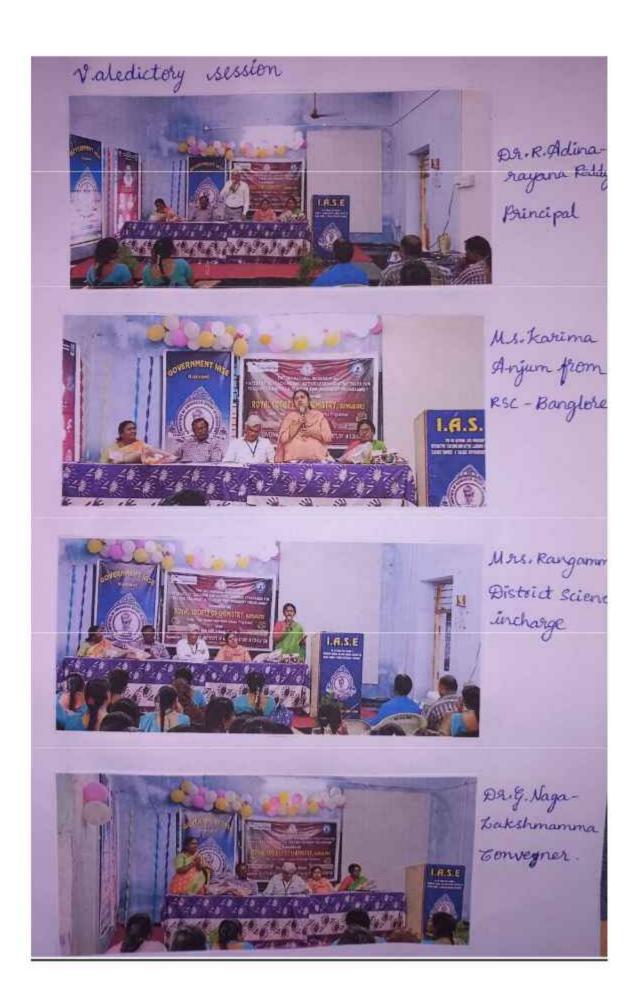




























Mrs. Rangamin District Scien incharge



Br.M.Balaraji Lecturer in Chemistry



Dr.G. Naga Eakshmanna Convener











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TWO DAY NATIONAL LEVEL WORKSHOP

PROGRAMME SCHEDULE SECOND BATCH

DATE: 04/08/2023
Morning session:
10: 00 AM -11.30 AM
Active learning
1. Hands on activities in preparation of active learning tools and using
them effectively in the classrooms.
2.Show me boards.
3.Concept maps
4.Directed activities related to text.
TEA BREAK
Next session:
11:40-
5.Tarsia.
6.Card sorts.
These activities are hybrided with digital tools and NEP 2020.
1:00 PM- 2:00 PM
LUNCH BREAK

Afternoon session:
2:00-3:30 PM:
1. Teaching concepts using simple games again in collaboration with
digital technology.
2.Using videos interactively.
3.Bingo.
4.Dominoes
5. Word search.
6.lonic Jigsaws.
TEA BREAK

Evening Session:

Activities.

GOVT. INSTITUTE OF ADVANCED STUDY IN EDUCATION B-CAMP, KURNOOL.

TWO DAY NATIONAL LEVEL WORKSHOP

PROGRAMME SCHEDULE SECOND DAY

DATE: 03/08/2023	
Morning Session:	
.Display and sharing resources.	
Lesson plans that they have learnt on day 1.	
TEA BREAK	
Developing critical thinking.	
Problem solving nature in students.	
:00 PM -2 :00 PMLUNCH BREAK	
Afternoon session:	
Diagnostics questions.	
Concept cartoons.	
TEA BREAK	
Evening session :	
'.Misconceptions followed by microscale experiments.	
END OF SECOND DAY SESSION	

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కెట్నులు(పెంటులే): పిల్లల మానసిక, కారీరిక, సామాజక అంకాలను రృష్టిలో ఉంచుకుని వారికి అర్జమయ్యే సికిలో పోధన రయాలని చిలాకకారుకు పెందిన రాయలే సాట్లటే ఆఫ్ జెమ్మెస్ట్ సమ్యరాలు కనీహ అంజమ్ మానింలారు. బడవారం సింగ్రెస్ జాల్ల్ బీటుడీ కారీజీలో ఇంటరాక్షెస్ టీనింగ్ అండ్ యాస్టెస్ కొర్మంగ్ స్టాటజీస్ ఫర్ టీనిస్ట్ సాఫలో ఆమ్ మాట్లాలను. రాయ్లోపార్యాయులు బోధనలో ఇద్దిక్ సైమజ్యాలను పాంటికికిన, సామాజక అంకాలను కారీంలి లోదన రీయాలప్పారు. కార్యక్రమంలో



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డ్డిగ్స్ ఫోల్ అద్ అదివారాయణరెడ్డి, నిల్వర్ కాల్టీ దిగ్గి కాటేజీ డ్రిప్సెఫాల్ డాక్టర్ నీవిఎస్ కుమార్, షయమం ద్రభుత్వ డిగ్గి కాలేజీ కెమిస్ట్ అధ్యాన కుడు ఏనత్మవారాయణ పార్వన్నారు.

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జీఈడీ విద్యార్థులకు ముగిసిన వర్మేషాపు

కర్నూలు పిటీ: ప్రభుత్వ అత్యున్నత విద్యా అధ్యయన నంస్థ (ప్రభుత్వ బవీఎస్ఈ-బీతండి కాలేజి)లో రాయల్ పోస్టట్ అఫ్ కెమ్మెస్టీ (దింగికూరు)వారి నహ కారంటో బీతండి విద్యార్థులకు ఇంటరాక్టివ్ టీవింగ్ అంగ్ రిర్మింగ్ స్టాటుక్స్ ఫర్ టీచర్ టైనీస్ అనే అం శంపై రెండు రోజుల పాటు విర్యపొంచిన వర్కేస్తాన్న శనివారంగో ముగిసింది. ఈ నెల 2న తీడిన మొదలైన ఈ జాతీయ వర్కేస్తాన్న రెండు విడతల్లో నిర్వహిం రారు, ఇందులో ర్మాతోపాధ్యాయులు పొంకేతిక సాధ వలతో నిర్వహిందే నూతన టోధన వర్గతులుపై ఇడ్డం పొందారని ఆ కాలేజీ టైన్ఫిపాల్ డా.ఆర్ అడివారాయ అరెడ్డి తెలిపారు. ఇడ్డు ముగింపు కార్యకమంలో ఉల్లా సైన్స్ కో-అర్జినేటర్ రంగస్స్ము టైనర్స్ వత్యనా రాయణ, బాలరాజు, కరీమా అంతమ్ కన్వీనర్లు దా.జి నాగంభ్నన్ను, డా.మరుమాదన్, డా.వై కర్యాత్ కుమార్, వనంరాజు, మహమ్మద్ రఫక్, మధీర్ రాజు, తదితరులు పాల్మాన్నారు.

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OUTCOMES OF TWO DAY NATIONAL LEVEL WORKSHOP

Royal Society of Chemistry, Bengaluru (under Yusuf Hamied Inspirational Science Programme) has conducted workshop on Interactive Teaching and Active Learning Strategies for Teacher Trainees - A Teacher Empowerment Programme in Govt. IASE.

Objectives of Workshop:

- * Learning teaching techniques.
- * Science and Application.
- * Interaction of Social, Science and Environmental aspects.

Outcomes of the programme:

- The trainer had taught in a effective manner how to teach students in child centered method and play way method.
- Each and every topic of the internship is thought provoking.
- As we are in the 21 century still we are studying the old pedagogical methods after this programme we learnt the 21" century teaching skills. We learnt how to integrate the technological tools in the active learning process.
- The trainer had taught us how to bring laboratory to classroom.
- There are many ideas and techniques which should be followed by an ideal teacher such as Ice Breaker (the activity which gives motivation and active participation of an individual) and this helps the students to get more interest to listen to the concept.
 This process is followed by asking questions frequently on the previous knowledge.
- The microscale experiments taught to us are eco friendly.
- They can be taught to the pupils without sophisticated lab.
- We can provide the microscale apparatus to each students at low cost.
- Its easier to students learn in play way method, it makes the students active in the learning process.
- · Tarsia, Dart, Dominoes, etc., always make the classroom active.