

# **Two day National level Workshop**

On

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

Batch 1: 2nd & 3<sup>rd</sup> 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  
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**CONVENER**

**Dr. G. Nagalakshamma**

Lecturer in English  
Govt. IASE, Kurnool

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**Sri. Y. Vanam Raju**

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**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 Lakshamma,**  
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. Iam proud to say that this workshop has turned out to be a fruitful academic exercise.

Dr. G. Naga Lakshamma

## **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.

1. 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.
2. 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 (workshop-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 active 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.O.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.

# Inaugural Session



Speech by dignitaries







Sessions by Resource Person



Students were actively participating in workshop



Valedictory session



Dr. R. Adinarayana Reddy  
Principal



Ms. Karima Anjum from  
RSC - Bangalore



Mrs. Rangamma  
District Science  
incharge



Dr. G. Naga-  
Lakshamma  
Convegnor.









Mrs. Rangamma  
District Science  
in charge



Dr. M. Balasubrahmanyam  
Lecturer in  
Chemistry



Dr. G. Naga  
Lakshminarayana  
Convener



# Certificate Distribution





Feedback by students / Teacher trainee



**GOVT. INSTITUTE OF ADVANCED STUDY IN EDUCATION**

**B-CAMP, KURNOOL.**

**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 hybridized 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. Ionic 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:

- 1.Display and sharing resources.
- 2.Lesson plans that they have learnt on day 1.

**TEA BREAK**

- 3.Developing critical thinking.
- 4.Problem solving nature in students.

1:00 PM -2 :00 PM -----**LUNCH BREAK**-----

Afternoon session:

- 5.Diagnostics questions.
- 6.Concept cartoons.

**TEA BREAK**

Evening session :

- 7.Misconceptions followed by microscale experiments.

-----**END OF SECOND DAY SESSION**-----



# సాక్షి

## అర్థమయ్యే లీతిలో బోధన చేయాలి

కర్నూలు(పెంట్లలో): దిల్లం మామిడి, కారీల, పామాటి అంజాను వ్యవస్థలో ఉంచుకుని వారికి అర్థమయ్యే రీతిలో బోధన రేయించి వింగళులు పెంచిన రాయల్ ప్లాట్ అఫ్ కెమిస్ట్రీ నవ్యరూపు కరీమా అంజాను ముద్దించారు. బుద్ధివంతుల నిర్ణయం కారీల బీటెడి కాలేజీలో ఇంటర్మీడియట్ లీటింగ్ అండ్ యాల్టర్నెట్ స్ట్రాటజీస్ ఫర్ టీచర్స్ ట్రైనింగ్ అండ్ కంపై రెండు రోజుల జాతీయస్థాయి వర్క్ షాపులో అను ముద్దించారు. రాష్ట్రోపాధ్యాయులు బోధనలో వ్యక్తి వైవేజ్యాలను పెంచుకోవాలన్నారు. బోధనా పరంగా, పాఠశాల, పామాటి అంజాను జోడించి బోధన రేయించారు. కార్యక్రమంలో



మామిడి, కరీమా అంజాను

ప్రొఫెసర్ అర్.ఆదివారాయలెడ్డి, నిర్ణయాలి రిగ్ కాలేజీ ప్రొఫెసర్ బాబు వీవీఎస్ కుమార్, పురుషం ప్రభుత్వ రిగ్ కాలేజీ కెమిస్ట్రీ అధ్యాపకుడు ఏ.నవ్యరాయణ పాల్గొన్నారు.

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Source : <https://epaper.sakshi.com/>

# సాక్షి

## జీకెడి విద్యార్థులకు

### ముగిసిన వర్క్ షాపు

కర్నూలు సిటీ: ప్రభుత్వ అత్యున్నత విద్యా అధ్యయన సంస్థ (ప్రభుత్వ ఐఏఎస్ఈ-బీఈ కాలేజీ)లో రాయల్ ప్లాట్ అఫ్ కెమిస్ట్రీ (వింగళులు)వారి నవ కారంతో బీటెడి విద్యార్థులకు 'ఇంటర్మీడియట్ లీటింగ్ అండ్ యాల్టర్నెట్ స్ట్రాటజీస్ ఫర్ టీచర్స్ ట్రైనింగ్' అనే అం కంపై రెండు రోజుల పాటు నిర్వహించిన వర్క్ షాపు కుచారంతో ముగిసింది. ఈ నెల 2వ తీదిన మొదలైన ఈ జాతీయ వర్క్ షాపు రెండు దినకల్లో నిర్వహించారు. ఇందులో రాష్ట్రోపాధ్యాయులు పాఠశాల సారవంతో నిర్వహించే మాతన బోధన వర్క్ షాపుపై శ్రేణి పాండారవి ఆ కాలేజీ ప్రొఫెసర్ డా.ఆర్ ఆదివారాయలెడ్డి తెలిపారు. శ్రేణి ముగింపు కార్యక్రమంలో జిల్లా సైన్స్ కో-ఆర్డినేటర్ రంగమ్మ, ట్రైనింగ్ నవ్యరాయణ, బాంరాజు, కరీమా అంజాను కన్వీనర్లు డా.జి నాగంజ్యమ్మ, డా.మదునూయన్, డా.వై కల్యాణ్ కుమార్, వనంరాజు, మహమ్మద్ రఫీక్, సుదీర్ రాజు, తదితరులు పాల్గొన్నారు.

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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.