

# YUSUF HAMIED INSPIRATIONAL SCIENCE TEACHER TRAINING PROGRAMME

**25<sup>th</sup>, 27<sup>th</sup> & 29<sup>th</sup> October, 2021**



## REPORT

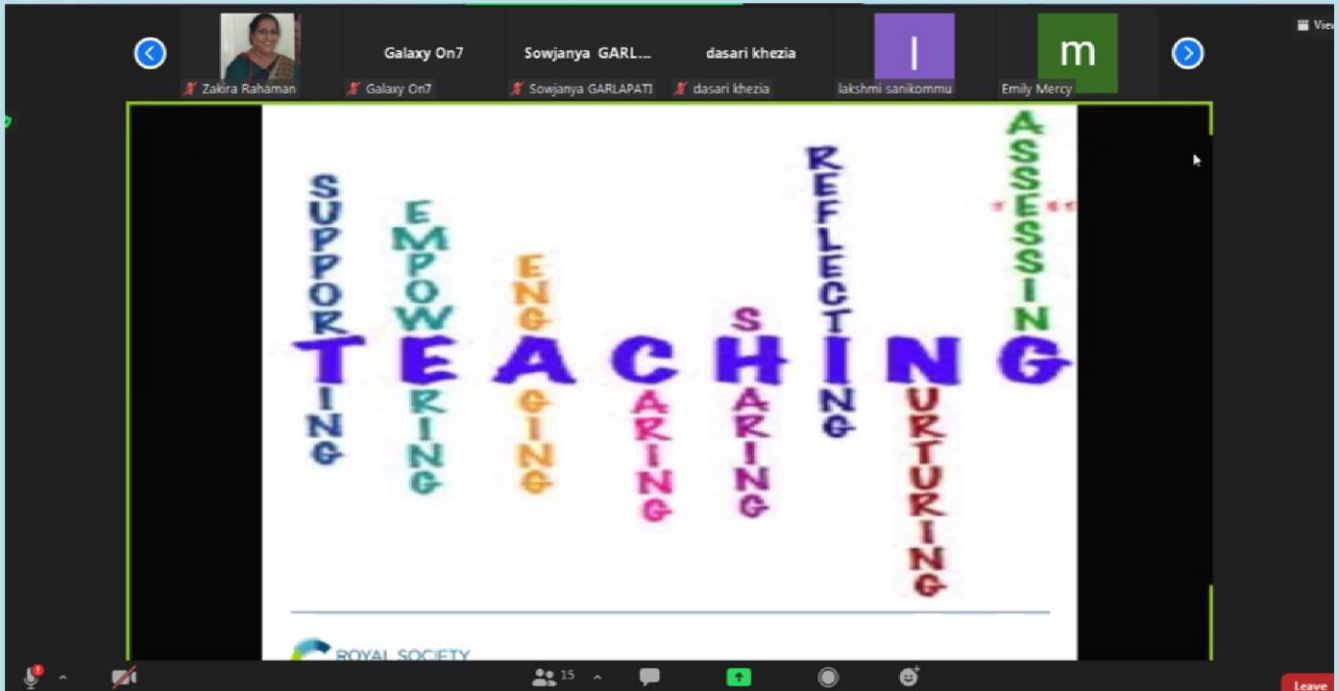
In collaboration with Royal Society of Chemistry and AP Akademi of Sciences, K.B.N. College (Autonomous) organized 'Yusuf Hamied Inspiration Science Teacher Training Programme' on 25<sup>th</sup>, 27<sup>th</sup> & 29<sup>th</sup> October, 2021 for VI to XII Grade Teachers. To provide training to science teachers across India, Royal Society of Chemistry initiate a Programme to equip teachers across India with specialist knowledge and skills they need to deliver exciting and engaging science lessons in the classroom and share this knowledge with their colleagues.

The objective of this program is to create intrinsic interest in Pure Sciences and the workshop is exclusively for Science Teachers. Mrs. Kareena Anjum, Teacher Developer, Royal Society of Chemistry, took the sessions with the following Activities with only limited Participants i.e. 20:

- Day 1 (25.10.2021) : Towards Active Learning
- Day 2 (27.10.2021) : Developing Active Learning Techniques (ALT) in Science
- Day 3 (29.10.2021) : Taking ALT further in Science

Mrs. Kareena Anjum, interacted with all the participants after completion of each session and clarified all their queries. Programme was concluded by a formal vote of thanks.

## Screenshots of the Programme



**Participants (16)**

Find a participant

- Zakira Rahaman
- Asif Jahan
- dasari khezia
- Galaxy On7
- Lv94/21 Sakunthala G
- Meenakshi
- Patnala Padmaja
- Rajeswari K
- saarada MSR
- Sowjanya GARLAPATI
- Emily Mercy
- lakshmi sanikommu
- nagajyothi chintalapati

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## Card Sorting

- You are given a set of cards.
- It will have words, short pieces of text, photographs or diagrams based on a topic.
- You have to classify the cards and connect them based on the information given on them.
- Students' understanding can be assessed by asking them to justify their answers.

ROYAL SOCIETY OF CHEMISTRY



**KBN COLLEGE**

Participants (16)

Q Find a participant

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- Emily Mercy
- lakshmi sanikommu
- nagajothi chintalapati

0:22

Wordwall

Cell organelles

Resume Eliminate

Control and regulates the activities of the cell.  
Only double membrane organelles.  
Series of flattened sacs. Father of microbiology. First saw it in cork tissue. Neurons, RBC or Hairs in enzyme formation.

INTERACTIVES

- Group sort
- Anagram
- Random cards
- Random wheel
- Wordsearch

**KBN COLLEGE**

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ROYAL SOCIETY

16

Leave Invite Unmute Me



**KBN COLLEGE**

Participants (15)

Q Find a participant

PP Padma Prabhu (Co-host)

A Asif Jahan

DK dasari khezia

GO Galaxy On7

LS Lv94/21 Sakunthala G

M Meenakshi

NC nagajyothi chintalapati

P Patnala Padmaja

R Rajeswari K

saarada MSR

SG Sowjanya GARLAPATI

Zakira Rahaman

I lakshmi sanikommu

1 - ear passage with wax and hair

2 - a sheet of muscle and skin

3 - three small bones (hammer, anvil and stirrup)

4 - sends electrical signals to the brain

5 - converts vibrations into electrical signals

6 - helps to balance

7 - the ear flap

Reset

Show answers

Drag and Drop the following labels:

Auditory Nerve

© Footprints-Science

**VENKATESHWA...**

Participants (14)

Q Find a participant

Teacher Developer (Host)

PP Padma Prabhu (Co-host)

A Asif Jahan

Zakira Rahaman

DK dasari khezia

LS Lv94/21 Sakunthala G

M. M. Santhi sri

nagajyothi chintalapati

P Patnala Padmaja

PG Purnima's Galaxy A51

R Redmi

V VENKATESHWARAMMA

M Emily Mercy

File View Help

Standard Jigsaw

Extended Jigsaw

Domino

Follow me! Cards

Rectangular Cards

Matching Rectangul...

Student Discussi...

Extended Hexagonal Jigs...

Extended Triangular Jigs...

Extended Rhombus Jigs...

Extended Parallelogram Ji...

Extended Square Jigsaw Puzzle [...]

Extended Rectangular Jig...

Extended Parquet Jigsaw Puzzle [...]

The extended jigsaw has 24 equilateral triangular pieces and comprises of 30 pairs of like equations. There are also 12 unpaired equations, having no match, that make up the border. The extended jigsaw is then more difficult as it is not obvious where the edges are.

Show this dialog on startup

OK Cancel

KBN COLLEGE

Padma Prabhu Teacher Developer Asif Jahan Zakira Rahaman

# From Macroscopic to Sub-microscopic

- Macroscopic properties are observable
- Sub-microscopic scale – scientists use explanatory models to try and explain the macroscopic properties
- Abstract nature as the particles are too small to see
- Scientists always put forward ideas or theories to try and explain what is happening around.
- They do it by carrying out experiments.
- Sometimes new theories are put forth modifying old one

ROYAL SOCIETY OF CHEMISTRY

Participants (13)

Find a participant

- KBN COLLEGE (Me)
- Teacher Developer (Host)
- Padma Prabhu (Co-host)
- Asif Jahan
- Lakshmi Prasanna
- Lenovo Tab M10
- Lv94/21 Sakunthala G
- M. Santhi sri
- nagajyothi chintalapati
- Patnala Padmaja
- Zakira Rahaman
- dasari khezia
- lakshmi sanikommu

Participants (16)

Find a participant

Padma Prabhu KBN COLLEGE Sowjanya GARLAPATI Teacher Developer

Asif Jahan Zakira Rahaman Lenovo Tab M10 Patnala Padmaja

Connecting to audio ... dasari khezia Lv94/21 Sakunt... Lakshmi Prasanna

M. Santhi sri nagajyothi chintalapati Rajeswari K saarada msr

- Patnala Padmaja
- Asif Jahan
- Lakshmi Prasanna
- Lenovo Tab M10
- Lv94/21 Sakunthala G
- M. Santhi sri
- nagajyothi chintalapati
- Rajeswari K
- saarada msr
- Sowjanya GARLAPATI
- Zakira Rahaman
- dasari khezia
- lakshmi sanikommu

Participants (18)

Find a participant

- Teacher Developer (Host)
- Padma Prabhu (Co-host)
- Asif Jahan
- Lv94/21 Sakunthala G
- Patnala Padmaja

Invite Unmute Me

Chat

[simulations/build-an-atom](#)

<https://wordwall.net/resource/20525775>


<https://wordwall.net/resource/21845435>

Who can see your messages?

To: Everyone

Type message here...

**GETTING PRACTICAL**



**MICROSCALE EXPERIMENTS WITH DIFFERENT PEDAGOGICAL APPROACH**

ROYAL SOCIETY OF CHEMISTRY

23

Participants (19)

Find a participant

- Teacher Developer (Host)
- Padma Prabhu (Co-host)
- nagajyothi chintalapati
- Patnala Padmaja
- Zakira Rahaman

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Teacher Developer


Zakira Rahaman

lakshmi sanikommu

dasari khezia

Lenovo Tab M10

Lenovo Tab M10





## **BROCHURE**



# **YUSUF HAMIED INSPIRATIONAL SCIENCE TEACHER TRAINING PROGRAMME**

**25<sup>th</sup>, 27<sup>th</sup> & 29<sup>th</sup> October, 2021**

**@ 10:30 AM - 1:00 PM**



Organized by

**K.B.N. COLLEGE (AUTONOMOUS), VIJAYAWADA**

in association with



**ROYAL SOCIETY OF CHEMISTRY**

**&**

**AP AKADEMI OF SCIENCES**



### **ABOUT THE COLLEGE:**

Kakaraparti Bhavanarayana College is a vivacious outcome of a century old renowned charitable organization, S.K.P.V.V. Hindu High Schools Society with “Tejaswina Vadheethamasthu” as its motto. Since its inception in 1965, it marked an epoch in innovative education, in an academically and economically impoverished area. The college with heightened social imagination and ardent zeal, shone like a lodestar led innumerable students towards the goal of an illustrious life. The ever vibrant college grew by leaps and bounds and has evolved with times. It has been adorned with the Autonomous status by the UGC in the year 2010, and received “Best Laboratory”, “Best Academic Achievement”, “Best Library”, “Best NSS Unit” awards. The College has never rested on its laurels and has been relentlessly raising the bar. It is certified with ISO 9001-2015 which has been given for Quality Management Standard and accorded with CPE in 2016 by UGC. It has been reaccredited with “A” Grade by NAAC in 2019.

### **ABOUT THE PROGRAMME:**

The Coronavirus disease (COVID-19) pandemic has caused an unprecedented crisis in all areas. In the field of education, this emergency has led to the massive closure of face-to-face activities of educational institutions in more than 190 countries in order to prevent the spread of the virus and mitigate its impact. Accepting the transition and moving to online teaching has become the greatest challenge. We, the Teacher Developers, under the banner of Yusuf Hamied Inspirational Science program have conducted many face to face workshops and trained more than 25000 teachers across the country in a span of five years. The response was extremely encouraging and the consistent demand for interactive tools online motivated us to go online and create a range of online interactive platforms which will definitely come handy for all your online science classes. Through this online workshop we aim to retain the same zeal and enthusiasm we often found in our physical workshops and thus encourage you to conduct your online science classes more effectively.



## AIM:

This proposal aims to provide **training to science teachers across India** who in turn will motivate our students to acquire the scientific skills which can lead our young people into a vast range of fulfilling careers. With the support of Indian business leader, scientist and philanthropist, **Dr. Yusuf Hamied, the Royal Society of Chemistry** has launched this program to equip teachers across India with specialist knowledge and skills they need to deliver exciting and engaging science lessons in the classroom and share this knowledge with their colleagues. The objective of this program is to create intrinsic interest in Pure Sciences and the workshop is exclusively for **Science Teachers**.

## TARGET GROUP:

- **Teachers teaching Sciences from Grade VI to XII.**
- **Free Registration**
- Certificate will be issued to the Participants.



## STAGES TO THE PROPOSED ACTIVITY

Day 1 (25.10.2021) : **Towards Active Learning**

Day 2 (27.10.2021) : **Developing Active Learning Techniques (ALT) in Science**

Day 3 (29.10.2021) : **Taking ALT further in Science**

**CLICK HERE TO REGISTER:**

**<https://forms.gle/ADqb3L3ZeKBU3Gxm9>**

**JOIN ZOOM MEETING:**

**<https://rsc.zoom.us/j/63521783101>**

**(Meeting ID: 635 2178 3101)**

**For details Contact:**

**Dr. G. Krishnaveni, IQAC Coordinator & Head, Dept. of Chemistry - +91 9491130111**



### **CHIEF PATRON**

**Sri V. China Veerabhadru IAS**  
Commissioner of School Education, AP

### **PATRONS**

**Prof. D. Ragunadha Rao**  
President, Andhra Pradesh Akademi of Sciences

**Sri Tunuguntla Srinivasu**  
Secretary & Correspondent, KBN College

**Prof. M.V. Basaveswara Rao**  
Hon. Secretary, AP Akademi of Sciences

**Dr. V. Narayana Rao**  
Principal, KBN College

### **CO-PATRONS**

**Sri P. L. Ramesh**  
Vice-Principal, KBN College

**Sri Vijayababu Tekkem**  
Vice-Principal, KBN College

### **ORGANIZING SECRETARY**

**Dr. G. Krishnaveni**  
IQAC Coordinator, & Head, Dept. of Chemistry, KBN College

### **ORGANIZING COMMITTEE**

**Sri Ch. Nagabhusanam**, Head, Dept. of Physics & Electronics

**Dr. T. Bhagya Kumar**, Lecturer in Chemistry

**Sri P. Ravindra**, Head, Dept. of Computers

**Smt. M. Lakshmi Prasanna**, Head, Dept. of Mathematics

**Dr. Sk. Chand Basha**, Head, Dept. of Zoology

**Sri Sk. Ismaiel Ali Basha**, Head, Dept. of Botany