

Memorandum of Understanding

**DEPARTMENT OF CHEMISTRY NIT
WARANGAL**

&

DEPARTMENT OF CHEMISTRY

2019-20



**KAKATIYA GOVERNMENT COLLEGE HANUMAKONDA,
TELANGANA**

YEAR WISE ACTIVITIES UNDER MEMORANDUM OF UNDERSTANDING

MoU Signed With	Year of Signing	Duration	Year Wise Activities	List the actual activities under each MOU and web links year-wise
Department of Chemistry, National Institute of Technology Warangal	2020	5 Yrs	2019-20	1. Lecture on "PG in Central Institutes of Higher Learning" by Dr. P. V. Sree Laxmi, Associate Professor of Chemistry, NIT, Warangal on the occasion of Valedictory Programme of Free Coaching for JAM-2020, Dated: 06.02.2020
			2019-20	2. Lecture on "H-NMR Spectroscopy" in Webinar by Dr. B. Sreenivas, Associate Professor of Chemistry, NIT, Warangal , Dated: 08.05.2020

MoU Signed With	Year of Signing	Duration	Year Wise Activities	List the actual activities under each MOU and web links year-wise
Department of Chemistry, National Institute of Technology Warangal	2020	5 Yrs	2020-21	Lecture on "Online Learning Resources" in Webinar by Prof. I. AJITH Kumar Reddy, Professor of Chemistry, NIT, Warangal , Dated: 10.10.2020
			2020-21	Online Lecture on "Higher Educational Opportunities in IITs & NITs" Prof. N. V. Ramana Rao, Director, NIT, Warangal on the occasion of Inauguration of Free Coaching for JAM-2021 Dated: 08.01.2021
			2020-21	Lecture on "Covid-19 into Chemical Science Perspective" by Dr. M. Ragasudha, Asst Professor of Chemistry, NIT, Warangal on the occasion of National Science Day, Dated: 27.02.2021
			2020-21	Lecture on "Symmetry of Molecules" in Webinar by Prof. K. Laxma Reddy, Professor of Chemistry, NIT, Warangal , Dated: 28.08.2021

Place: Hanumakonda

**Memorandum of Understanding between Department of
Chemistry, NIT, WARANGAL & Department of Chemistry, KGC
Hanamkonda
(06-02-2020)**

MEMORANDUM OF UNDERSTANDING

BETWEEN

DEPARTMENT OF CHEMISTRY,
KAKATIYA GOVERNMENT COLLEGE, HANAMKONDA

AND

DEPARTMENT OF CHEMISTRY,
NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

FOR THE DEVELOPMENT OF ACADEMIC COOPERATION IN QUALITY EDUCATION

Memorandum of understanding (MoU) is taken on the Friday of 06.02.2020 by Department of chemistry, Kakatiya Government College, Hanamkonda and Department of Chemistry, National Institute of Technology, Warangal.

Objectives of the MoU

This MoU is entered with the following specific objectives:

- i) To provide academic support to Kakatiya Government College, Hanamkonda in the form of permitting students to Field Trips to NIT, Warangal
- ii) To assist in programmes like certificate courses and add-on courses
- iii) To allow students to take up internships in NIT for study projects
- iv) To support faculty to undertake collaborative research with the faculty of NIT, Warangal and offer free consultancy service to faculty in their research activity
- v) To provide career guidance to the students of Chemistry and create awareness on future prospects in the domain areas of Chemistry
- vi) To offer extension lectures to students of KGC by the faculty of NIT

Terms and Conditions:

The academic assistance and support is proposed to be extended by Department of Chemistry, National Institute of Technology, Warangal is purely on voluntary basis and no financial commitment is involved.

Duration of MoU:

The MoU comes into force from the date signing and valid for a period of FIVE years, starting from February, 2020.

The aim of the Memorandum of this Understanding shall be to achieve balance in the respective contributions and benefits of the collaboration, and this shall be subject to periodic review by both the Institutions.

Signatures

P.V. Sitalakshmi
Head
Department of Chemistry
National Institute of Technology
Warangal

विभागाध्यक्ष / Head
रसायन विभाग / Department of Chemistry
राष्ट्रीय प्रौद्योगिकी संस्थान, वरंगल - ५०६ ००४
National Institute of Technology,
Warangal - 506 004 (T.S)



Ramesh
Incharge - (Dr. B. RAMESH)
Department of Chemistry
Kakatiya Government College
Hanamkonda, Warangal(U)
Incharge
Department of Chemistry
Kakatiya Government College
HANAMKONDA.

Julia
Principal
Kakatiya Government College
Hanamkonda, Warangal(U)



Activities under MoU in 2019-20

Extension Lecture on PG in Central Institutes of Higher Learning

06-02-2020

The Department of Chemistry organized an extension Lecture on “*PG in Central Institutes of Higher Learning*” in association with NIT Warangal as a part of MoU. The main objective of this lecture was to enable the students to know the various national importance institutes, which offer PG courses. The Resource Person Dr. P.V. Sreeslakshmi, Associate Professor of Chemistry, NIT Warangal explained that IISc, IISER, TIFR, NIT and Central Universities offer various PG courses, and if the students concentrate on basics, they can easily crack the entrance exams and get enrolled in these prestigious institutions.

The Principal S. Ganapathi Rao, in charge of the department Dr. B. Ramesh, faculty members and students participated in the programme.



Lecture on "PG in Central Institutes of Higher Learning" by Dr. P. V. Sree Laxmi, Associate Professor of Chemistry, NIT, Warangal, and Dated: 06.02.2020 [as a part of MoU with NIT, Warangal]

Webinar on H- NMR Spectroscopy

08-05-2020

**Webinar on
H-NMR Spectrometry**

Date: 08.05.2020 Time: 11.00 am –01.00 PM

SPEAKER

Dr. B. SRINIVAS
Associate Professor
National Institute of Technology (NIT)
WARANGAL, TELANGANA



Organized by
Departments of Chemistry
Kakatiya Government College
Hanamkonda, Warangal (U)

Report on H-NMR Spectroscopy

08-05-2020

A webinar on 'H-NMR Spectroscopy' was organised by Department of Chemistry, Kakatiya Govt. College, Hanamkonda under the chairmanship of Sri S. Ganapathirao, Principal (FAC) and convened by Dr. B. Ramesh, Incharge of the department on 08/05/2020.

Esteemed speaker Dr. B. Srinivas, Associate Professor, National Institute of Technology, Warangal has given webinar on ONLINE mode on the topic - 'H-NMR Spectroscopy'. He explained basics and types of Spectra. He stressed the importance of H-NMR Spectroscopy as a analytical tool for the structural elucidation of the molecule.

Recording... You are viewing srinivas basavoju's screen View Options

Which nuclei are NMR active?

Nuclear Spin Quantum Number (I)


Only those nuclei which have a finite value of spin quantum number ($I > 0$) will precess along the axis of rotation.

It means the protons (nuclei) with ' I ' value > 0 they are NMR active.

They exhibit NMR spectrum.

It is known that the spin quantum number ' I ' is associated with mass number and atomic number of the nuclei.

Mute Start Video Security Manage Participants 85 Chat 2 Share Screen Pause/Stop Recording Reactions End Meeting



Dr. B. Srinivas Associate Professor of NIT Warangal, Telangana explaining about H- NMR Spectroscopy on 08-05-2020

Participants in the Webinar

The screenshot displays a Zoom webinar interface with the following details:

- Top Bar:** Shows "Zoom 40-Minutes" on the left and window control icons (minimize, maximize, close) on the right. A "Speaker View" button is also present.
- Participant Grid:** A 5x5 grid of 25 participants. The participants shown are:
 - Row 1: G ARCHANA, ASHOK ALISHALA, Dr B RAMESH, Ganapathi Rao, Pavankalyan
 - Row 2: Dr Yogibabu N, P.vijitha, ks ks (highlighted with a green border), Koraboina Vijaya..., Yellam Harish
 - Row 3: Naveen Puram, capt.Rella.sanjeev, Surya Rab, Ch. Jhansi(MZC-..., Raji Radha
 - Row 4: Keerthana Vaish... (with a pink 'K' icon), HAKKU SHIVAK..., Surya Sagar (with a green 'S' icon), QCOM-BTD, Affrin
 - Row 5: B Lavanya, Nimmala shailaja, a partially visible participant, and Mohammed You... (with a character icon)
- Bottom Toolbar:** Contains icons for Mute, Start Video, Security, Manage Participants (100), Chat (1), Share Screen, Record, and Reactions. An "End Meeting" button is on the far right.
- Windows Taskbar:** Located at the very bottom, showing the search bar with "Type here to search", several application icons, and the system tray with the date and time "11:03 AM 5/8/2020".

ACTIVITIES UNDER MOU 2020-21

3. WEBINAR ON ONLINE LEARNING RESOURCES ON 10.10.2020



I. Ajith Kumar Reddy Rtd Professor NIT Warangal as a Resource person in the webinar on 10-10-2020

Webinar Report on Online Learning Resources on 10.10.2020

10.10.2020

A Webinar is arranged during COVID-19 pandemic by Department of Chemistry, Kakatiya Govt. college on the topic- ONLINE LEARNING RESOURCES.

This webinar was chaired by Sr. S. Ganapath Rao, Principal and convened by Dr. B. Ramesh, Head, Dept. of Chemistry.

Speaker of this programme is Prof. I. Ajith Kumar Reddy, Retired Professor, National Institute of Technology, Warangal.

This lecture is very useful in present scenario. Any resource available on the internet is an online learning resources. It include audio or video lessons, websites, links. He explained various online platforms available for education like Zoom, CISCO, WEBEX, GOOGLE MEET etc.

R. S. Rao
Incharge
Department of Chemistry
Kakatiya Govt. College
Warangal

Online Extension Lecture on Higher Educational Opportunities in IITs & NITs (2020-21)

08-01-2021

As a part of MoU an online extension lecture was organized in collaboration with NIT Warangal on 08-01-2021. The Director of NIT Warangal, Prof. N.V. Ramana Rao as a Resource person explained the *Higher Educational Opportunities in IITs & NITs*. In his online lecture, he mentioned the various courses offered by the National institutions. He interacted with the faculty members as well as with the students and cleared their queries.

The Principal S. Ganapathi Rao, In charge of the Chemistry department Dr. B. Ramesh, Faculty members and students participated in this activity.



Online Lecture on "*Higher Educational Opportunities in IITs & NITs*" Prof. N. V. Ramana Rao, Director, NIT, Warangal , on the occasion of Inauguration of Free Coaching for JAM-2021 Dated: 08.01.2021

**ONE DAY SEMINAR ON COVID – 19 INTO CHEMICAL
SCIENCE PERSPECTIVE**

27-02-2021

Seminar on

COVID-19 into Chemical Science Perspective

(On the occasion of National Science Day)

Date: 27.02.2021

Speaker

Dr. M. Ragasudha

Asst. Professor of Chemistry

National Institute of Technology, Warangal



Organized by

Department of Chemistry

KAKATIYA GOVERNMENT COLLEGE

HANAMKONDA, WARANGAL (U)

Convener

Dr. B. Ramesh

Incharge, Dept. of Chemistry

Chairman

Dr. P. Indira Devi

Principal

Organizing Committee

Kandala Satyanarayana, Asst. Professor of Chemistry

Dr. Vasam Sreenivas, Asst. Professor of Chemistry

P. Sumalatha, Asst. Professor of Chemistry

Dr. K. Vani, Asst. Professor of Chemistry

Ashok Alishala, Asst. Professor of Chemistry

K. Suneetha, Asst. Professor of Chemistry

Dr. Ravula Mogili, Asst. Professor of Chemistry

K. Jagadesh Babu, Asst. Professor of Chemistry



Dr. M. Ragasudha Speaking on *Covid 19 in Chemical Science Perspective* on

27-02-2021

Report

SEMINAR ON

COVID-19 INTO Chemical Science Perspective

On the occasion of 'NATIONAL SCIENCE DAY' a seminar was arranged by Department of Chemistry on 27.02.2021 under the HEAD, Department of Chemistry, Dr. B. Ramesh, and Principal Dr. P. Indira Devi.

The chief guest of the Programme Dr. M. Ragasudha, Assistant Professor of Chemistry, National Institute of Technology, Warangal, given a seminar on "COVID-19 INTO CHEMICAL SCIENCE PERSPECTIVES".

The Seminar focussed on the facts and literature about COVID-19. It emphasised the direct role of chemistry to the ongoing global pandemic by covering structural identification of the virus, chemical preventive measures and development of drugs.

Dr. M. Ragasudha gave review of the four most promising repurposed drugs which are presently being investigated in mass clinical trials on COVID-19 infected persons and synthetic routes of these drugs with their recent advancement. Chemical preventive measures such as Soap, hand sanitizer and disinfectant are the only available options in the arsenal to fight against COVID-19 till an effective medicine or vaccine will be made available.

Attendance

	Name of the student	H. no	class	Mobile no	sig
21)	A. Raadhana	006-20-4008	3 rd year	9815189964	A. Raadhana.
22)	A. Akhila	006-20-4004	III Yr	7659810167	A. Akhila
23)	A. shivasmita	006-20-4005	3 rd year	8008653345	shivasmita
24)	Ch. Manasa	006-20-4018	3 rd year	6302724758	Ch. Manasa
25)	Ch. Manaswitha	006-20-4019	MPC 3 rd year	9963262304	Ch. Manaswitha
26)	G. Deepika	006-20-4024	MPC 3 rd year	7569929719	G. Deepika.
27)	G. Sandeep	006-20-4023	MPC 2 nd year	9652548250	G. Sandeep.
28)	K. Rajkumar	006-20-4030	MPC 3 rd year	6300734881	K. Rajkumar.
29)	Ch. Sai Kumar	006-20-4016	MPC 3 rd year	9949332501	Ch. Sai Kumar.
30)	K. Kishore	006-20-4029	MPC 3 rd year	9850539795	K. Kishore.
31)	B. Jeevan babu	006-20-4012	MPC 3 rd year	9346312188	B. Jeevan babu
32)	E. Ashik	006-20-4012	MPC 3 rd year	6302055738	E. Ashik
33)	B. Rajesh	006-20-4015	MPC 3 rd year	9392363306	B. Rajesh
34)	B. Deepak	006-20-4014	MPC 3 rd year	8340959195	B. Deepak
35)	A. Saikumar	006-20-4009	MPC 3 rd year	9347851370	A. Saikumar
36)	A. Vinod Kumar	006-20-4001	MPC 3 rd year	9346158031	A. Vinod
37)	A. Anur Kumar	006-20-4007	MPC 3 rd year	8106410702	A. Anur Kumar
38)	G. Chandu	006-19-4018	MPC 3 rd year	9542237042	G. Chandu.
39)	Minza Saqib Raig	006-19-4024	MPC 2 nd year	7661044013	Minza Saqib Raig
40)	K. Raju	006-18-4003	MPC 3 rd year	8096062050	K. Raju
41)	K. Vigneshan	006-19-4027	MPC 3 rd year	8096261992	K. Vigneshan
42)	B. Varunshi	006-20-4000	M.P.C	9569610105	B. Varunshi
43)	G. Hanumanth	006-20-4026	III rd year	9391552552	G. Hanumanth
44)	B. Prachintha	006-20-4011	3 rd year	9010524184	B. Prachintha
45)	D. Shivaji	006-20-4004	II nd year	8106814364	D. Shivaji
46)	A. Anur Kumar	006-20-4006	II nd year	9160608103	A. Anur Kumar

{as a Part of MoU with NIT Warangal}

Extension Lecture on Symmetry of Molecules

28.08.2021



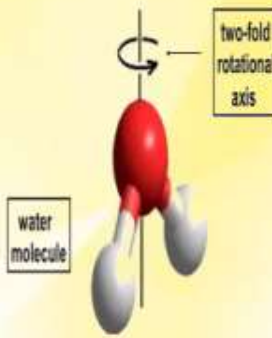
28.08.2021
Department of chemistry, Kakatiya Govt college, Warangal has concluded a Webinar on the topic - "SYMMETRY OF MOLECULES". This Webinar was chaired by the Principal, Sri S. Ganapathi Rao and the programme was convened by Dr. B. Ramesh, Head, Dept. of chemistry.
Speaker of the Webinar on 28/8/2021 is Prof. K. Laxma Reddy, Professor of Chemistry, NIT, Warangal. He delivered a nice lecture on symmetry of molecules. He explained the types of symmetry with suitable modules. He encouraged the students to actively participate in the webinar. The lecture gave a good understanding of the SYMMETRY concept.

R. S. R.
Incharge
Department of Chemistry
Kakatiya Government College
HANAMKONDA

Recording... LIVE on YouTube You are viewing K. Laxma Reddy's screen View Options 00:25:18 View

SYMMETRY AND GROUP THEORY

Group Theory and Symmetry.



water molecule

two-fold rotational axis

By
Prof. K. LAXMA REDDY,
Professor (HAG) of Chemistry
National Institute of Technology Warangal
District Coordinator, Telangana Academy of Sciences, Warangal and
State Convener, Science Communications, Jana Vignana Vedika, Telangana
E mail: laxma@nitw.ac.in

Mute Stop Video Security Participants Polls Chat Share Screen Pause/Stop-Recording Reactions Apps More End

Lecture on "Symmetry of Molecules" in Webinar by Prof. K. Laxma Reddy,
Professor of Chemistry, NIT, Warangal, on 28.08.2021
{As a part of MoU with NIT Warangal}

Lecture on "Chandrayan-2, Success of Vikram Lander" in Webinar

29-10-2021

The department of Chemistry organized a Webinar on the topic of "Chandrayan – 2 Success of Vikram Lander" on 29-10-2021 in collaboration with NIT Warangal. The department has taken initiatives to organize a Webinar series to inculcate research inquisitiveness among the students. Dr. S. Maqbool Ahmed Principal Scientific Officer, University of Hyderabad explained the need and importance of research innovations in the field of Astronomy.

The Principal Dr. K. Mallesham, in charge of the chemistry department Dr. B. Ramesh, faculty members and students participated in the webinar.

విజ్ఞాన ప్రసార, నిల్ వరంగల్, హనుకొండ ప్రభుత్వ కాకతీయ డిగ్రీ కళాశాల
రసాయనిక శాస్త్ర విభాగం సంయుక్తంగా సమర్పించు వెబినార్

చంద్రయాన్-2; విక్రం లాండర్ విఫలం సఫలం
(Chandrayan-II; Vikram Lander)

విజ్ఞాన ప్రసార వారి తెలుగు స్కాప్ ప్రాజెక్టు
అంతర్జాతీయ సాంకేతిక ఉన్నత విద్యాసంస్థ వరంగల్
అంశం -21

Dr. S. MAQBOOL AHMED
Principal Scientific Officer,
University of Hyderabad

Date:
29th October, 2021
Time:
3 to 4 pm

ZOOM Link:
<https://zoom.us/j/94993894164?pwd=OUUpNVElYSIY0YWwILR3ZvcVZTSkFUZz09>
Meeting ID: 949 9389 4164,
Passcode: 287048

under the
DST-VP Project,
Science Communication, Popularization and Extension
(SCoPE)
జాతీయ సాంకేతిక ఉన్నత విద్యాసంస్థ వరంగల్
(National Institute of Technology Warangal)
Prof. K. Laxma Reddy
Principal Investigator, SCoPE
Prof. A. Ramachandraiah
Coordinator, SCoPE
YouTube Live : <https://youtu.be/b9I2VYy8a6E>

Dr. S. Maqbool Ahmed, as part of DST- SCoPE (Science communication Popularization and Extension) project, Dated: 29.10.2021

Report

29.10.2021

A Webinar on "చంద్రయాన్-2, విక్రం లాండర్ విజయం, నాగ్" is organised jointly by Vignana Prasara, NIT, Warangal, Dept. of Chemistry, Kakatiya Govt. College, Hanamkonda. This telugu SCOPE (Science Communication, Popularization and Extension) Project comes under DST-VP Project.






















































Dr. S. Maqbool Ahmed, Principal Scientific Officer, University of Hyderabad has given an impressive lecture on the topic - "CHANDRAYAN-II, VIKRAM LANDER" in ONLINE MODE on 29th October 2021. This lander was named after Dr. Vikram A Sarabhai, the father of Indian Space Programme. The speaker also explained about spacecrafts - Success and failures.

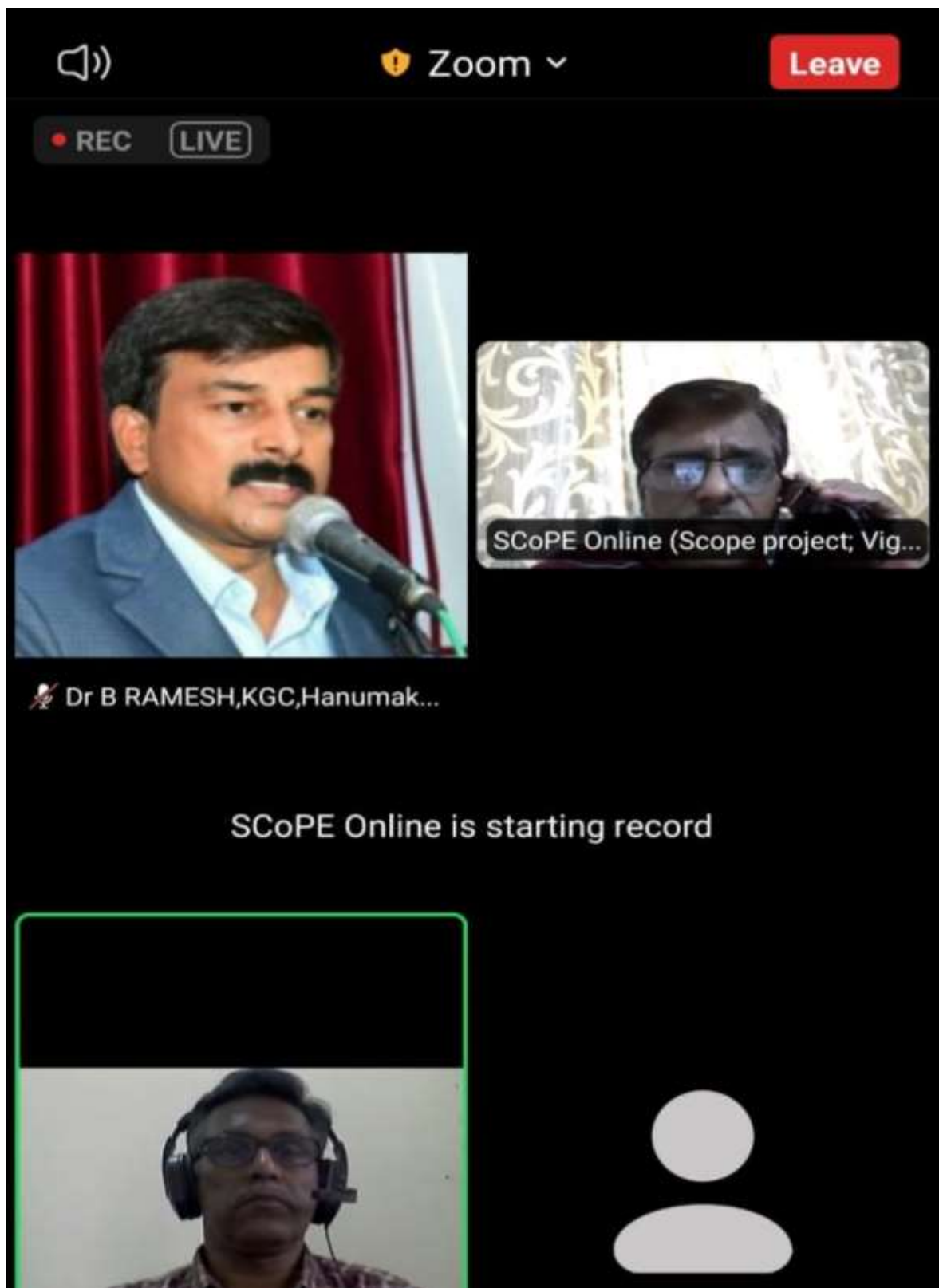


Incharge
Department of Chemistry
Kakatiya Government College
HANAMKONDA

← **You** Participants (100)
 9 photos • 29 October 2021

Search

	Dr B RAMESH, KGC, Ha... (Co-host, me)				
	SCoPE Online (Scope p... (Host)				
	S.M. Ahmed (Co-host)				
	SCoPE Online (Scope pro... (Co-host)				
	SCoPE Online (Scope pro... (Co-host)				
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	4344 MPCs Ch. Sharanya				
	Afreena IAS				
	Afsha				
	Aitipamula Dayanand				
	Ajay				
	Ajay				



Dr. S. Maqbool Ahmed, as part of DST- SCoPE (Science communication Popularization and Extension) project, Dated: 29.10.2021