

# KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

## DEPARTMENT OF CHEMISTRY

In association with IIPC

### A Two-Day State Level Online Workshop on "Preparation Tips to Success CSIR- NET, GATE & SET Exams in Chemical Science"

#### Brochure of the Event:

**CHIEF PATRON**  
Dr. V. Balusamy  
Principal

**CO-PATRON**  
Dr. C. Duraisamy  
Chief Coordinator  
Science & Humanities

**CONVENOR(s)**  
Dr. A. Geetha,  
Associate Professor & Head  
Dr. P. N. Palanisamy, Professor  
Ms. A. Revathi, Assistant Professor  
Department of Chemistry

**REGISTRATION**  
Participants have to register through  
google forms. Meet link will be sent only  
to registered participants through mail/  
Whatsapp Group

**FEE DETAILS**  
Faculty, Research Scholars, Students : Rs. 100  
(including 18% GST)

**MODE OF FEE PAYMENT**  
Registration fee should be paid only  
through Online Mode (RTGS/ NEFT/ IMPS)  
Account Holder Name: A Revathi  
Acc.No. 1247155000100120  
Bank : Karur Vysya Bank  
Branch: KEC Nagar Branch, Perundurai  
IFSC CODE - KVB0001247

GPay - (9942303014)

**PROGRAMME OBJECTIVE**  
To provide the preparation tips to the participants  
on how to crack NET/CSIR, GATE & SET  
Exams in Chemical Sciences

**WHO CAN PARTICIPATE?**  
Faculty, Research Scholars and Students

**RESOURCE PERSON**  
Mr. Jeeva Balakrishnan Head Coach, JChem Academy, Trichy  
Mr. Jeeva Balakrishnan cracked GATE, CSIR-NET and IIT-JAM  
Exams more than once.

CSIR - NET - LS - JUNE - 2020  
CSIR - NET - JRF - JUNE - 2020  
GATE - 2019  
GATE - 2020  
GATE - 2021  
JAM - 2020  
JAM - 2021

**TOPICS**  
**DAY 1**  
**Session 1:** Overview and Opportunity in CSIR-NET, GATE & SET Exams  
**Session 2:** Tricks & Tips to crack CSIR-NET, GATE & SET Exams

**DAY 2**  
**Session 3:** Importance and Visualization of Online Exams  
**Session 4:** Preparation Guidance in Chemical Sciences

**WORKSHOP PLATFORM :** Google Meet

**FOR FURTHER CLARIFICATIONS,**

**CONTACT:**  
+91 9789498866  
+91 9488644390  
+91 9942303014

 **KONGU ENGINEERING COLLEGE**  
(Autonomous)  
PERUNDURAI, ERODE - 638060

A Two Day State Level Online Workshop on  
Preparation Tips to success  
CSIR-NET, GATE & SET Exams  
in Chemical Sciences



12<sup>th</sup> & 13<sup>th</sup> August 2021  
Time: 10.00 a.m. to 12.00 noon

Organized by  
Department of Chemistry  
(In Association with IIPC/KEC)  
E-mail: kecchemistry@kongu.edu  
Website : [www.kongu.ac.in](http://www.kongu.ac.in)

Registration Link :  
<https://forms.gle/iuahcedLaW36PpMk6>

## Name List of Participants

**KONGU ENGINEERING COLLEGE,PERUNDURAI,ERODE-638 060**

**DEPARTMENT OF CHEMISTRY**

**A Two-Day State Level Online Workshop on "Preparation Tips to Success CSIR- NET,  
GATE & SET Exams in Chemical Science"**

**Date: 12.08.2021 &13.08.2021**

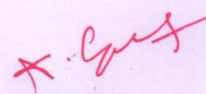
### Participants Details

S.No	Title	Name	Name of the Institution	Department
1	Dr.	Dhandapani	CK College of Engineering & Technology	Chemistry
2	Mr.	G.Karthi	M.P.NachimuthuM.Jaganathan Engineering College, Chennimalai.	Chemistry
3	Mr.	B.BALAPRASAD	Saranathan College of Engineering	Chemistry
4	Ms.	S. LATHA	Government arts college autonomous Salem 7	Chemistry
5	Ms.	Daya Shree B	PSG College of arts and science	Chemistry
6	Mr.	Mohamed Raseen	Mohamed Raseen	Chemistry
7	Mr.	AJAY R	Dr.NGP arts and science college	Chemistry
8	Mr.	GANESH G S	Pachaiyappa's College	CHEMISTRY
9	Mr.	Poornesh D	Poornesh D	Msc. Chemistry
10	Ms.	P.Vanjinayaki	Thiagarajarcollege,Madurai.	Chemistry
11	Mr.	DINESHKUMAR G	C.B.M College	M.Sc CHEMISTRY
12	Ms.	Nisha	PSG college of arts and science	Chemistry
13	Mr.	Shajahan A	Bharathidasan University	School of chemistry
14	Ms.	D.luckysoniya	CBM college	MSC chemistry
15	Ms.	Aisha Shaikh	Goa University	School of Chemical Sciences
16	Mr.	HARIBAASKAR.K	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	CHEMISTRY
17	Mr.	BALAMUGUNDAN S	Thiru. Vi. Ka Government Arts College Thiruvarur	Chemistry
18	Mr.	Leo Francisco Blaise D'Souza	Goa University	Chemistry
19	Mr.	Lokesh R	CBM COLLEGE	M. Sc. Chemistry
20	Mr.	T. Sathya Narayanan	CBM College	M.SC CHEMISTRY
21	Ms.	CHRISTEENA. P	C. B. M college Kovaipudar	M. Sc chemistry
22	Ms.	R. Mehala	Guru Nanak College	Chemistry
23	Ms.	PAVITHRA S	PSG COLLEGE OF ARTS AND SCIENCE, COIMBATORE	2nd MSC CHEMISTRY
24	Mr.	S. Navaneethakrishna n	Sadakahullah college tirunelveli	M. Sc chemistry final year
25	Mr.	Venkatesh Prasad B	Karunya university	MSc Chemistry
26	Mr.	Jaisakthi c	CBM college	Msc chemistry
27	Mr.	ATHEEQUE AHMED V	THIRUVALLUVAR UNIVERSITY, SERKADU	PHYSICS

		Mageshwari.R	Vels University	Organic chemistry
	Ms.	Pavithra V Ravi	Sri Ramakrishna Engineering College	Nanoscience and Technology
30	Ms.	Aishwarya S	Pondicherry University	Chemistry
31	Mr.	JEGATHESH K	PSG College of arts and science	Chemistry
32	Ms.	M. Vijayalakshmi	Sri Moogambigai College of Education	Chemistry
33	Mr.	Prasanthkumar T	Kongunadu Arts and Science College	Chemistry
34	Ms.	valarmathi	Government Arts College for women Salem	Chemistry
35	Ms.	J JOSE HEPZIN ALIS	ANNAI VELANKANNI COLLEGE THOLAYAVATTAM AFFILIATED TO MS UNIVERSITY TIRUNELVELI	Chemistry
36	Ms.	Kiruthigadevi. D	Vsb college of engineering technical campus coimbatore	Chemistry
37	Mr.	GANESHMOORTHY B	V.H.N.S.N.College	Chemistry
38	Dr.	N. Neelakandeswari	NallamuthuGounder Mahalingam College	Department of Chemistry
39	Mr.	KALAIYARASAN.S	PSG COLLEGE OF ARTS AND SCIENCE, COIMBATORE.	CHEMISTRY
40	Ms.	KEERTHIKA S	Thiagarajar College of Arts and Science	Chemistry
41	Mr.	YOGHANANTHAN K	KONGU ENGINEERING COLLEGE	CHEMISTRY
42	Ms.	PANI MALAR HENCY M	Women's Christian College, Nagercoil	Chemistry
43	Mr.	Elangovan M	Indian Arts and Science college	Chemistry
44	Ms.	THENMOZHI.S	SRI VASAVI COLLEGE, ERODE	Chemistry
45	Mr.	A.Sakthivel	C.B.M college kovaipudur- 641042,covai.	Department of chemistry
46	Ms.	P.VASANTHI	Government Arts college, Thiruvannamalai	CHEMISTRY
47	Mr.	PRASANTH M	J.k.k. Nattraja college of arts and science	Chemistry
48	Mr.	Hariharan.S	Government arts college Coimbatore	Chemistry
49	Ms.	JANANI.M	NEHRU MEMORIAL COLLEGE	CHEMISTRY
50	Ms.	PrasheenaRussell.S	PrasheenaRussell.S	Chemistry
51	Mr.	M.Gokul	The American College	Chemistry
52	Dr.	Dr.R.Rajan	V.S.B.College of Engineering Technical Campus, Coimbatore-642109	Chemistry

  
Convener

Dr.P.N.PALANISAMY, M.Sc.,Ph.D.,  
PROFESSOR  
DEPARTMENT OF CHEMISTRY  
KONGU ENGINEERING COLLEGE  
PERUNDURAI, ERODE-638 000.

  
HOD

Dr. A.GEETHA  
ASSOCIATE PROFESSOR & HEAD  
DEPT. OF CHEMISTRY  
KONGU ENGINEERING COLLEGE  
THOPPUR, ERODE-638 000

# KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060

## DEPARTMENT OF CHEMISTRY

In association with IIPC

A Two-Day State Level Online Workshop on "Preparation Tips to Success CSIR- NET, GATE & SET Exams in Chemical Science"

Date:12.08.2021

Day: Thurs Day

### Workshop Photos

The screenshot shows a Google Meet interface. The main window displays a presentation slide with text in Tamil. To the right of the text is a portrait of a man with a white turban and a blue shirt. The text on the slide reads: "தேடிச் சோறுநிதந் தின்று - பல சின்னஞ் சிறுகதைகள் பேசி - மனம் வாடித் துன்பமிக உழன்று - பிறர் வாடப் பலசெயல்கள் செய்து - நரை கூடிக் கிழப்பருவ மெய்தி - கொடுங் கூற்றுக் கிரையெனப்பின் மாயும் - பல வேடிக்கை மனிதரைப் போலே - நான் விழவே னென்று நினைத் தாயோ? - பாரதியார்". The bottom of the screen shows the Google Meet controls and a taskbar with various application icons.

The screenshot shows a Google Meet interface. The main window displays a presentation slide with a table of exam questions and marks. The table is divided into two parts: PART B and PART C. The bottom of the screen shows the Google Meet controls and a taskbar with various application icons.

PART B	40 Questions	Questions	
	Inorganic Chemistry	13	26 Marks
2 Marks each	Physical Chemistry	13	26 Marks
	Organic Chemistry	13	26 Marks
PART C	60 Questions		
	Inorganic Chemistry	20	80 marks
4 Marks each	Physical Chemistry	20	80 Marks
	Organic Chemistry	20	80 Marks
	Any one area	26+80	106 Marks
	Any Two Area	52+ 100	152 Marks

REC Jeeva Balakrishnan is presenting

PART B	40 Questions	Questions	
	Inorganic Chemistry	13	26 Marks
2 Marks each	Physical Chemistry	13	26 Marks
	Organic Chemistry	13	26 Marks
PART C	60 Questions		
	Inorganic Chemistry	20	80 marks
4 Marks each	Physical Chemistry	20	80 Marks
	Organic Chemistry	20	80 Marks
	Any one area	26+80	106 Marks
	Any Two Area	52+ 100	152 Marks

10:50 AM | gsn-esij-jtm

46

Type here to search

REC Jeeva Balakrishnan is presenting

**Tips: 4**

Don't waste excess time for one question

11:18 AM | gsn-esij-jtm

39

Type here to search



**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060**

**DEPARTMENT OF CHEMISTRY**

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GATE & SET Exams in Chemical Science"**

**Date:13.08.2021**

**Day: Friday**

The screenshot shows a Zoom meeting interface. On the left, a whiteboard displays handwritten notes for the complex  $[Mn(H_2O)_6]^{2+}$ . The notes include:  
-  $\Rightarrow$  Electron degeneracy  
- Mn -   
- a) All bond lengths are equal  
- A diagram of an octahedron with a circle in the center labeled 'Oh'.  
- Below the diagram, it says 'Equal bond lengths' and 'D<sub>4h</sub>'.  
- To the right of the octahedron, there is a diagram of an octahedron with bond lengths labeled '4' and '4.4'.  
- Further right, there is a diagram of an octahedron with bond lengths labeled '4' and '4.4', and a note 'Dipole moment / weak' with an arrow pointing to the '4.4' bond length.  
- At the top right, there is a note '3d<sup>5</sup> Mn<sup>2+</sup> d<sup>5</sup>'.  
The Zoom interface shows a 'JChem Academy' logo in the top left, a 'Chat' button with a red notification bubble showing '3', and a list of participants on the right: 'JC' (JChem Acad), 'Re' (Revathi), and 'S.' (S.navaneet). The bottom right corner shows '36/53'.

The screenshot shows a Zoom meeting interface. At the top, the time is '12:05'. Below the time, there is a video feed of a man with a beard and mustache, wearing a red shirt, speaking. He is positioned in front of a whiteboard. The Zoom interface shows a 'Chat' button with a red notification bubble showing '3', and a list of participants at the bottom: 'le' (leo) and 'p.v.'. The bottom right corner shows '33/53'.

JChem Academy

$[Mn(H_2O)_6]^{2+}$

$\Rightarrow$  Electron degeneracy can be removed

Mn - O removed

a) All bonds are equal

$2d^5$   $mn^{2+}$   $d^5$

4 4  
4 4  
4 4

Dynamic / weak  
Strong / stable

Square bipyramidal.  
 $D_{4h}$

Chat 3

35/53

JChem Academy

$[Mn(H_2O)_6]^{2+}$

$2d^5$   $mn^{2+}$   $d^5$

4 4  
4 4  
4 4


Dynamic / weak  
Strong / stable

Square bipyramidal.  
 $D_{4h}$

Chat 3

37/53

Certificate for participants:

 **KONGU ENGINEERING COLLEGE**  
(Autonomous)  
PERUNDURAI ERODE 638 060 TAMIL NADU INDIA  
Department of Chemistry  
A Two-Day State Level Online Workshop on  
"Preparation Tips to Success CSIR- NET, GATE & SET Exams in Chemical Science"


Certificate No:8


**CERTIFICATE**


This is to certify that

**Dr.R.Rajan**  
V.S.B.College of Engineering Technical Campus, Coimbatore-642109

has attended A Two-Day State Level Online Workshop on "Preparation Tips to Success CSIR- NET, GATE & SET Exams in Chemical Science" organised by the Department of Chemistry in association with IIPC, Kongu Engineering College, Perundurai, Erode from 12.08.2021 to 13.08.2021.

 **Ms.A.Revathi**  
Assistant Professor  
Convener

 **Dr.P.N.Palanisamy**  
Professor  
Convener

 **Dr.A.Geetha**  
Associate Professor & Head  
Convener

**KONGU ENGINEERING COLLEGE, PERUNDURAI - 638 060, ERODE, TN, INDIA  
(AUTONOMOUS)  
DEPARTMENT OF CHEMISTRY  
In association with IIPC  
organises  
A Two-Day State Level Online Workshop on "Preparation Tips to Success CSIR- NET,  
GATE & SET Exams in Chemical Science"  
on  
12th & 13th August 2021**

**SUMMARY REPORT**

The Department of Chemistry, Kongu Engineering College, successfully organized **A Two-Day State Level Online Workshop on "Preparation Tips to Success CSIR- NET, GATE & SET Exams in Chemical Science" on 12th & 13th August 2021** between 10.00 a.m. to 12.00 noon using Google Meet and Teachmint Platform. The Registration link used for the workshop was <https://forms.gle/iauhcedLaW36PpMk6>. The registration fee of Rs.100/- has been collected for the workshop for all category like students, faculty and research scholars etc., This workshop offered an excellent platform to the faculty, students and research scholars in helping them to strengthen their knowledge and how to prepare for the CSIR- NET, GATE & SET Exams in Chemical Science. We invited the Resource Person **Mr. Jeeva Balakrishnan**, Head Coach, JChem Academy, Trichy. Students and few faculty have attended the workshop. Nearly 52 participants have registered in which 17% faculty members, 64% students and 19% research Scholars. We provided the certificates to the participants who have registered for the programme.

The Workshop started with the welcome address by Dr.A.Geetha, Associate Professor & Head, Department of Chemistry, Kongu Engineering College. It was followed by the introduction of resource person by Dr.P.N.Palanisamy, Professor & Head, Department of Chemistry, Kongu Engineering College. Then it was followed by the sessions given by the resource person **Mr. Jeeva Balakrishnan**, Head Coach, JChem Academy, Trichy. He has handled four sessions with the following topics on these two days.

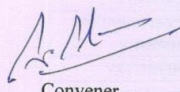
1. Day-I on 12.08.2021 (Session-I: 10AM-11AM) with the topic  
Overview and Opportunity in CSIR-NET, GATE & SET Exams
2. Day-II on 13.08.2021 (Session-II: 10AM-11AM) with the topic  
Tricks & Tips to crack CSIR-NET, GATE & SET Exams



3. Day-II on 13.08.2021 (Session-I: 10AM-11AM)with the topic  
Importance and Visualization of Online Exams

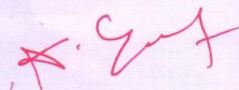
4. Day-II on 13.08.2021 (Session-II: 10AM-11AM)with the topic  
Preparation Guidance in Chemical Science

The programme was continued by the question sessions from the participants and finally it was ended with the vote of thanks by Dr.P.N.Palanisamy, Professor, Department of Chemistry, Kongu Engineering College. Exactly 52 participants have submitted the feedback and they have been issued by the participation E- certificates which was generated automatically.



Convener

**Dr.P.N.PALANISAMY, M.Sc.,Ph.D.,**  
PROFESSOR  
DEPARTMENT OF CHEMISTRY  
KONGU ENGINEERING COLLEGE  
PERUNDURAI, ERODE-638 060.



HOD

**Dr. A.GEETHA**  
ASSOCIATE PROFESSOR & HEAD  
DEPT. OF CHEMISTRY  
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