



Guru Angad Dev
TEACHING LEARNING CENTRE
A Centre under Pandit Madan Mohan Malaviya National Mission on
Teachers and Teaching (PMMMNTT), MHRD, Govt. of India.
SRI GURU TEGH BAHADUR KHALSA COLLEGE
UNIVERSITY OF DELHI



Ref No.: GAD-TLC/Tek-Chem/204

Date: 20-Jun-2020

To Whomsoever It May Concern

This is to certify that **Dr. Pragya Gahlot** of **Sri Venkateswara College, DU** has contributed in the development of **Teacher's e-Kit** (e-content in Four Quadrants Format) in Chemistry at GAD-TLC of MHRD under the PMMMNMTT scheme as per the details given below:

| | |
|--------------------------|---|
| Module Title | Determination of Critical Solution Temperature (CST) and composition at CST of the phenol-water system and to study the effect of impurities of sodium chloride and succinic acid on it |
| Level (UG/PG) | UG Level as per CBCS |
| Theory/ Practical | Practical |
| Author(s) | Dr. Pragya Gahlot |
| Reviewer | Dr. Vandana Katoch, Shivaji College, DU |

These Teacher's e-Kits are National level *Open Educational Resources(OERs)* for Chemistry Theory/Practical Teaching so that teachers can adopt Blended Learning in their teaching-learning process.

This is further certified that no amount has been paid for this contribution.

-sd-

Dr. Vimal Rarh
Project Head & Joint Director, GAD-TLC

(This is a computer generated certificate. Hence, requires no signature)

- Lab_Chem_OER_PC
- Participants
- Badges
- Competencies
- Grades
- General
- CHEMISTRY LAB VIDEOS:
Developed for ARPIT Chemistry
(2018 & 2019)
- Teacher's e-Kit: Absorbance
spectra of KMnO4 and K2Cr2O7
- Teacher's e-Kit: Critical Solution
Temperature
- Teacher's e-Kit: Conductometric
Titration

Assignment

Teacher's e-Kit: Critical Solution Temperature

Aim: Determination of Critical Solution Temperature (CST) and composition of CST of the Phenol-Water system and to study the effect of impurities of Sodium Chloride and Succinic acid on it.

Credits: OER developed under the aegis of GAD-TLC of MHRD

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- e-kit_Manual_critical_solution_temperature
- e-kit_know more_Critical_Solution_Temperature
- e-kit_Presentation_Critical_Solution Temperature
- Quiz on Critical Solution Temperature
- Assignment

Teacher's e-Kit: Conductometric Titration

Aim: Perform a conductometric titration of strong acid vs. strong base and determine the strength of given acid solution.

Credits: OER developed under the aegis of GAD-TLC of MHRD

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- Lab_Chem_OER_PC
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Developed for ARPIT Chemistry (2018 & 2019)
- Teacher's e-Kit: Absorbance spectra of KMnO4 and K2Cr2O7
- Teacher's e-Kit: Critical Solution Temperature
- Teacher's e-Kit: Conductometric Titration
- Dashboard
- Site home
- Calendar

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Teacher's e-Kit MODULE: CREDITS

Core Team for conceptualizing, designing and coordinating the development of Teacher's e-Kit for Practical Courses

| Role in Development of e-Kit | Name & Institution |
|------------------------------|--|
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← Assignment

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e-kit_know
[more_Critical_Solution_Temperature ▶](#)