

**WORKSHOP**  
**On**  
**Instrumentation, Innovation & Hands on training in**  
**Ceramics**  
**19<sup>th</sup>- 20<sup>th</sup> September 2016**

**Sponsored By**  
**TEQIP Phase-II, Government of India**  
**Organised by**



**Department of Chemistry & Ceramic Engineering,**  
**Govt. College of Engineering & Technology, Bikaner**

**About the Workshop**

Instrumental analysis of the various raw materials in different fields is essential. It helps in successful operation and in daily practice throughout the industry. To meet the close specifications of chemical composition and physical properties demanded by the manufactures, rigorous control over raw materials is required.

Apart from quality control of the final products, analytical data, coupled with physical tests in some instances, provide vital information for the products. In other words, analytical data is essential to ensure product quality as well as for process control by ensuring maximum economy of materials. In addition to quality control and process control, the analytical data is of great importance in the commercial field also. So, we want to organize two days workshop to enrich the future engineers.

## Schedule of Work Shop

<b>Date</b>	<b>Lecture-I (10.00- 11.00am)</b>	<b>Lecture-II (11.00am- 12.00)</b>	<b>Practical Session –I (12.30-2.00 pm)</b>	<b>Practical Session –II (2.00-3.30 pm)</b>
<b>19/09/16 (Monday)</b>	<b>Dr. Tribhuwan Sharma</b> "Introduction of UV- vis, AAS and other related instrumental technologies"	<b>Dr. Tribhuwan Sharma</b> "Applications of UV- vis, AAS and other related instrumental technologies in various fields"	<b>Dr. Gayatri Sharma</b> "UV- vis spectrophotometry and volumetric analysis of various inorganic materials"	<b>Dr. Prakash Singh</b> "Flame photometry and Refractory material testing"
<b>20/09/16 (Tuesday)</b>	<b>Dr. N. Bhojak</b> "Green Ceramics & their innovative applications "	<b>Dr. N. Bhojak</b> "Green Methods of Analysis "	<b>Dr. Kanika Solanki</b> "TGA, DTA and other physio- chemical techniques"	<b>Dr. Anu Sharma</b> "Ceramic Material Testing"

**Venue:-** Lectures will be taken place at Seminar Hall and Practical Sessions will be conducted at Ceramic Engineering Lab, (Ceramics Department), GCET, Bikaner

**Conveners :**

1. Dr. Prakash Singh    2. Dr. Anu Sharma    3. Dr. Gayatri Sharma

**Organising Secretary :**

1. Dr. Abdul Hameed    2. Dr. Kanika Solanki