

# केन्द्रीय कांच एवं सिरामिक अनुसंधान संस्थान

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)



**CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE**

(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)



## Certificate

This is to certify that **Mr. Vijay Shankar Kumawat, Assistant Professor, Department of Mechanical Engineering, Manipal University Jaipur** had visited CSIR-CGRI research facilities for possible future collaborative research. Also he has undergone exposure and some hands on training on various experimental facilities like XRD, FE-SEM, TEM, XRF, ICP-AES, Nanoindentors, Scratch tester, UTM, TGA, DTA, BET Surface Area, Zetasizer, Mercury Porosimeter, Thermal Expansion Measurement, Microplasma Spray Coater, Diamond Cutter at Advanced Mechanical and Materials Characterisation Division (AMMCD), Materials Characterisation and Instrumentation Division (MCID), and Bioceramic and Coating Division (BCCD) Of **CSIR-Central Glass & Ceramic Research Institute (CGCRI), Kolkata** during period of **14<sup>th</sup> June to 30<sup>th</sup> June 2018**.

*A K Mukhopadhyay* 30/6/18

**DR. A K MUKHOPADHYAY**

**CHIEF SCIENTIST AND HEAD  
AMMCD, CSIR-CGRI, KOLKATA**

**Dr. Anoop K. Mukhopadhyay**

Chief Scientist & Head

Advanced Mechanical and Material Characterization Division

CSIR- Central Glass & Ceramic Research Institute

196, Raja S. C. Mullick Road, Kolkata-700032, India

Website: [www.cgcri.res.in](http://www.cgcri.res.in)

*A K Mukhopadhyay*