



**UNIVERSITY GRANTS COMMISSION**  
**HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC)**  
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**  
(Established by Govt. Act No. 30 of 2008)  
**HYDERABAD TELANGANA STATE (INDIA)**



**UGC - SPONSORED Refresher Course**  
**CERTIFICATE**

This is to certify that

**Dr.R.Vijaya Kumar**, Assistant Professor,

Department of Physics, Department of Pure & Applied Physics

affiliated to **GURU GHASIDAS VISHAWAVIDYALAYA, KONI, BILASPUR-495009**, participated in  
**Online Two-week Interdisciplinary Refresher Course on "Materials Physics and Materials  
Science"** held from **07/12/2020** to **21/12/2020** and successfully completed with **A+ Grade**

**Dr. G.K. Viswanadh**  
**DIRECTOR**

**Dr. K. Vijaya Kumar**  
**COORDINATOR**

**Dr. M. Manzoor Hussain**  
**REGISTRAR**

The grades are as follows:

A+ : 85 percent and above

A : 70 percent to less than or equal to 84 percent

B : 60 percent to less than or equal to 69 percent

C : 50 percent to less than or equal to 59 percent

F : Below 49 percent

Those teacher participants who get F grade are required to repeat the programme after a gap of one year without financial commitment to UGC-HRDC

The total marks for the course are 100 with the following distribution:

1. Multiple Choice Objective Test: 30
2. Evaluation of Project Report: 25
3. Attendance: 25
4. Assignments: 20