

## INSTITUTION'S INNOVATION COUNCIL

26-11-2021

**A report on "TFT Technology and its applications"  
by Dr Dinesh Kumar Bhatia, Professor, Dept. of ECE, Central South University of  
Forestry & Technology", China**

Electronics and Telecommunication Department of Nalla Narasimha Reddy Education Society's Group of Institutions has organized a National Webinar on "**TFT Technology and its applications**" on 26-11-2021 through Google meeting . The details of program are as follows:

Date-26<sup>th</sup> November, 2021 Time: 11:00 A.M.

Platform - Google Meeting

Meeting Link:

<https://meet.google.com/szg-ywva-umg>

Resource Person: Dr. Dinesh Kumar Bhatia,

Professor ,dept of ECE,

The Central South University of Forestry & Technology, China



The banner features the following text and elements:

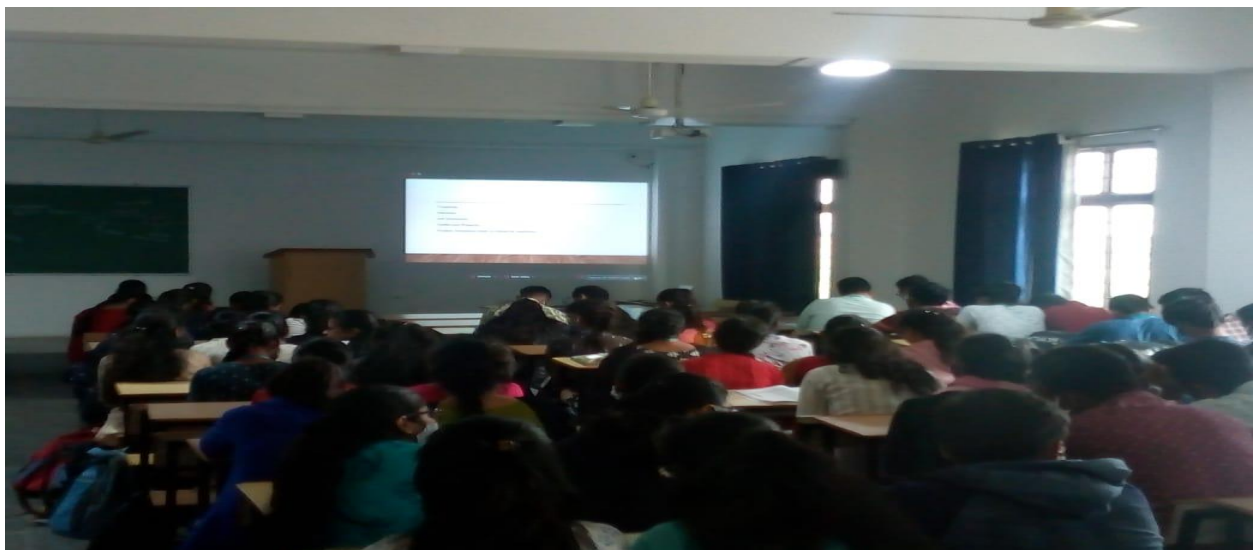
- Top left: Nalla Narasimha Reddy Group of Institutions, **NNRG** Integrated Campus
- Top center: **NALLA NARASIMHA REDDY** Education Society's Group of Institutions - Integrated Campus (UGC AUTONOMOUS INSTITUTION)
- Top right: AUTONOMOUS, NAAC A+, NBA CSE ECE
- Center: School of Engineering, DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
- Organizes a NATIONAL WEBINAR on "TFT TECHNOLOGY AND ITS APPLICATIONS"
- Resource Person: Dr. DINESH KUMAR BHATIA (with a small photo of him)
- 26<sup>TH</sup> NOV 2021, FRIDAY, @ 11 AM, I.S.T
- FREE REGISTRATION

Speaker addressed TFT (Thin Film Transistor) technology. This technology is used to enhance the operation and usefulness of LCD displays. He explained working of a typical LCD fluidic display device, through animation. He explained the role of indium tin oxide (ITO) in order to improve the quality of an image to the viewer. He narrated that the process can be used in both segmented or pixelated display devices but is found synonymous with colour TFT displays.

He explained research issues on the inherent slow rate of change between fluid states over a large number of pixel elements causing problem. He explained his doctoral work of putting a high speed LCD controlling device in the form of a thin film transistor right at the pixel element on the glass surface, to image blurring in LCD .

He explained TFT Applications in mobile devices, appliance, medical devices, instrumentation, aircraft and certainly computer display devices as well as TV's. The addition of the thin film transistor in LCD design vastly improved the use of LCD's in all market areas.

In this program the Director of our Institution, Dr C V Krishna Reddy and Program Coordinators Dr S Ravichand, Dr. Michael and Mr. P K Kulkarni and other 25 faculty members and 87 students have participated.



  
**Dr G JANARDHANARAJU**  
IIC-CONVENER & DEAN-SoE