

School of Engineering  
Department of Electronics & Communication Engineering  
**INSTITUTION'S INNOVATION COUNCIL (IIC)**

**REPORT ON 'NATIONAL WEBINAR'**

Nalla Narasimha Reddy Education Society's Group of Institutions Electronics and Telecommunication Department had organized a national webinar on **"TFT Technology and its applications"**

The details of program conducted are as follows-

Date-26<sup>th</sup> November, 2021 (Friday)

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

Program Convener :

Dr.G.Janardhan Raju – Convener, IIC, NNRESGI, Hyderabad.

**NALLA NARASIMHA REDDY**  
Education Society's Group of Institutions - Integrated Campus  
(UGC AUTONOMOUS INSTITUTION)

School of Engineering  
**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

Organizes a  
**NATIONAL WEBINAR**  
on  
**"TFT TECHNOLOGY AND ITS APPLICATIONS"**

AN  
AUTONOMOUS  
INSTITUTION

Resource Person

26<sup>TH</sup> NOV 2021  
FRIDAY, @ 11 AM,  
I.S.T

Free  
REGISTRATION

**Dr. DINESH KUMAR BHATIA**  
PROFESSOR, DEPT. OF ECE





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 along with 25 faculty members and 87 B.Tech students had participated.



*PSCivaseela*  
Head, Dept. of ECE

**Head of the Department**  
**Electronics & Communication Engineering**  
**Nalla Narasimha Reddy Education Society**  
**Group of Institutions - Integrated Campus**  
**Choudaripuda (Vill), Ghatkesar (Mdl), R.R. Dist 500 011**