

A Report of one day Professional Development Program on  
**“Digital Storage Oscilloscope”**

1.	Name of the Activity/Event	<b>PDP Program on “Digital Storage Oscilloscope”</b>	
2.	Dates of Activity/Event	14-06-2022	
3.	Organized by/Name of the committee	Department of ECE	
4.	Place of Activity/event	Communication Lab, B-Block, NECNellore	
5.	Resource person/guest/organization	S. Ramesh, Scientific instruments, Hyderabad.	
6.	Timings of Event	09:30AM to 012:30PM 01:30PM to 04:30PM	
7.	Type of activity/Event	Training Program for Lab Technicians	
8.	Activity/Event objectives	Introduction to DSO and Oscilloscope Systems and Controls.	
9.	Participation	Non Teaching Staff	11
10.	General remarks	<ul style="list-style-type: none"> <li>• Learned the use of DSO</li> <li>• Oscilloscope Systems and Controls</li> </ul>	
11.	Enclosures	<ol style="list-style-type: none"> <li>1. Program Snapshots</li> <li>2. List of Participants</li> <li>3. Attendance Sheet</li> </ol>	
12.	Signature of Incharge/Convener		

**Report:**

The Narayana Engineering College, Nellore Department of ECE organized a one day PDP Program on **“Digital Storage Oscilloscope**, 14-06-2022 at Communications Lab, B-Block, NEC Nellore.

In first session, Dr.K.Murali , HOD of ECE addressed the gathering and introduced the resource person Mr. S. Ramesh, Scientific instruments, Hyderabad to the gathering.



The objectives of this PDP are to give introduction and teach what an oscilloscope is and how it works, Understanding the differentiation of Analog and digital oscilloscopes which have some basic controls that are similar, and some that are different.

The resource person started the program with the introduction about the DSO and its features. He has extended the explanation with the discussion of three sections of DSO, labeled Vertical, Horizontal, and Trigger.



He also discussed about the setting to accommodate an incoming signal when using an oscilloscope,

**Vertical:** This is the attenuation or amplification of the signal. Use the volts/div control to adjust the amplitude of the signal to the desired measurement range.

**Horizontal:** This is the time base. Use the sec/div control to set the amount of time per division represented horizontally across the screen.

**Trigger:** This is the triggering of the oscilloscope. Use the trigger level to stabilize a repeating signal, or to trigger on a single event.



In the evening session, Hands on lab was conducted by the resource person.

Finally, The Professional Development Program ended with a vote of thanks with HOD .