

NIELIT CHENNAI

**Program Details**

***“Embedded System Design Using Arduino”***

<b>Objective</b>	: To provide exposure in Embedded System design using Arduino
<b>Target Audience</b>	: Students and Graduates of Engineering/Diploma in Electronics and other related Streams
<b>Batch Size</b>	: <b>Max 30 Nos.</b>
<b>Topics covered</b>	: <ol style="list-style-type: none"><li>1. Introduction to Microcontrollers.</li><li>2. Architecture of Atmega 328</li><li>3. Introduction to Arduino IDE</li><li>4. Working with GPIOs</li><li>5. Working with Timer Modules</li><li>5. Interfacing Display Devices</li><li>6. Interfacing Actuators</li><li>7. Interfacing Analog and Digital Sensors</li><li>8. Introduction to Serial Communication Protocols (wired).</li><li>9. Wireless Communication Protocols.</li></ol>
<b>Duration</b>	: Starting Date: 11-09-2017 Ending Date: 25-10-2017 (Training 100 hrs + Mini Project 20 hrs)
<b>Timing</b>	: 09:00AM to 01:00PM
<b>Venue</b>	: NIELIT CHENNAI
<b>Course fee</b>	: Rs.4, 000 /- (Inclusive of Service Tax)
<b>Course in-charge</b>	: <b>R.AJAYNIRMAL, Project Associate</b> Email ID : rajay@nielitchennai.edu.in