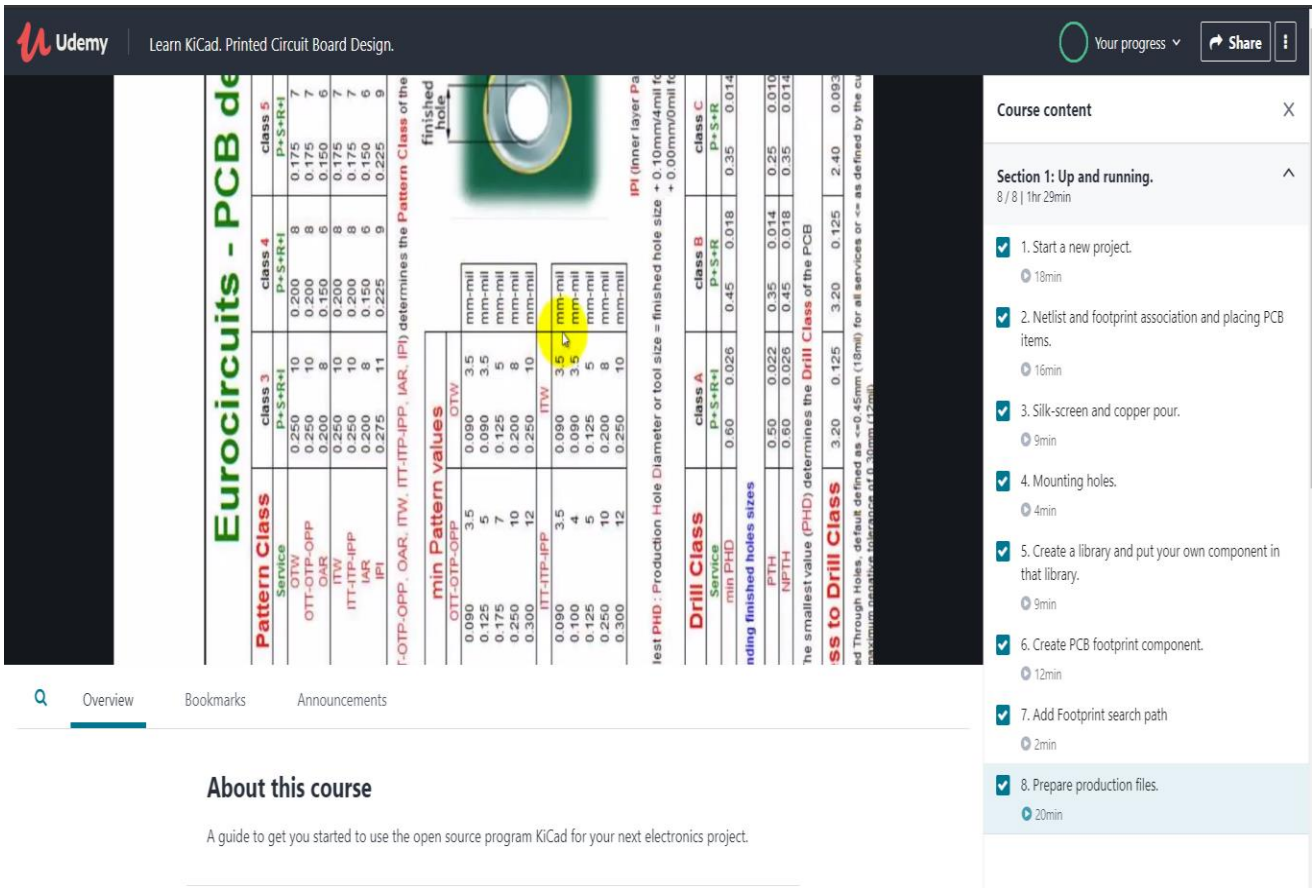
DAILY ASSESSMENT REPORT

Date:	**10 June 2020**	**Name:**	**Gagan M K**
Course:	**PCB Design**	**USN:**	**4AL17EC032**
Topic:	• Mounting holes. • Create a library and put your own component in that library. • Create PCB footprint component. • Add Footprint search path • Prepare production files.	**Semester & Section:**	**6th sem & 'A' sec**
GitHub Repository:	**Alvas-education-foundation/Gagan-Git**		

FORENOON SESSION DETAILS

Image of session

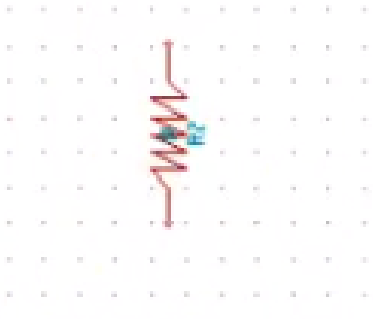


Report – Report can be typed or hand written for up to two pages.

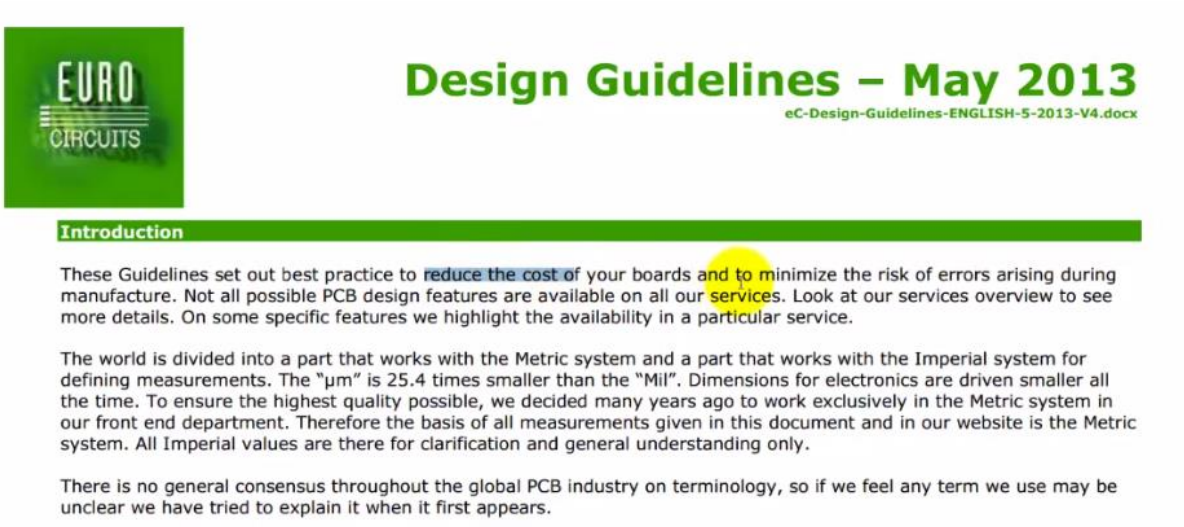
PCB Design:

- **Learnt Creating holes in the PCB for pins.**

- **Learnt how to Create a library and put your own component in that library and created our own library for Resistor.**



- **Create PCB footprint component was shown.**
- **And Learnt what are the parameters required to place an order for PCB printing.**


EURO CIRCUITS

Design Guidelines – May 2013

eC-Design-Guidelines-ENGLISH-5-2013-V4.docx

Introduction

These Guidelines set out best practice to reduce the cost of your boards and to minimize the risk of errors arising during manufacture. Not all possible PCB design features are available on all our services. Look at our services overview to see more details. On some specific features we highlight the availability in a particular service.

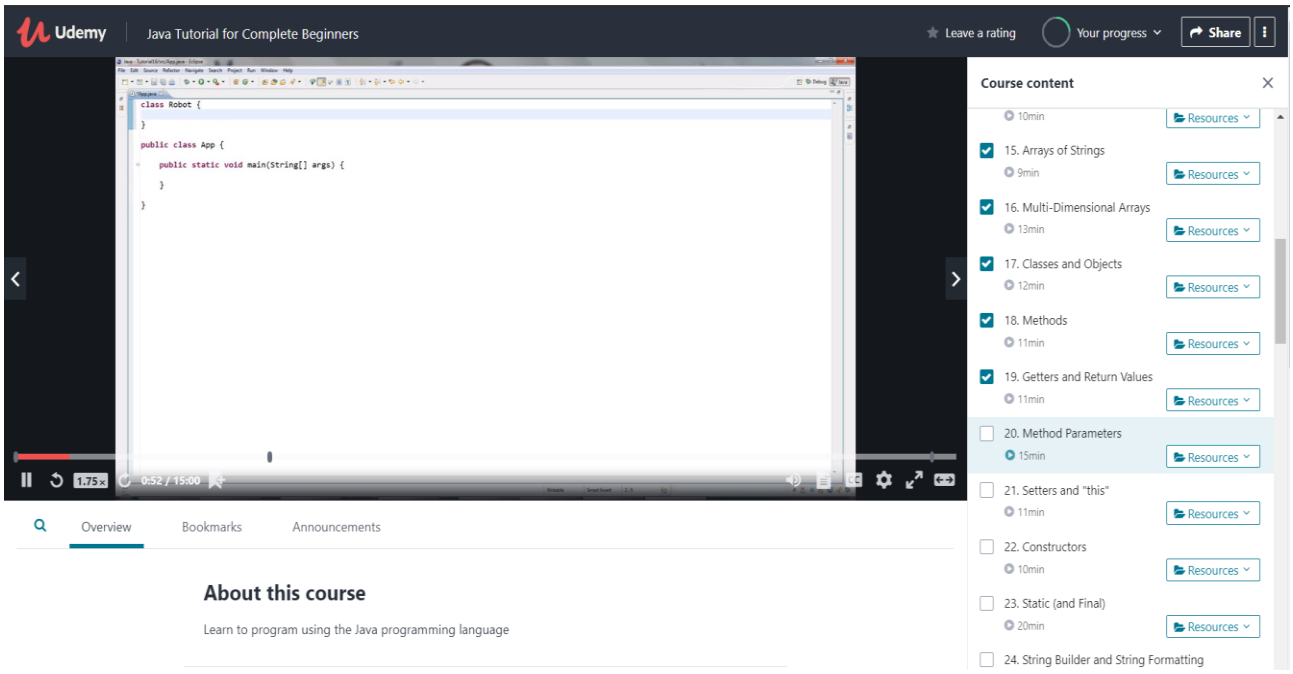
The world is divided into a part that works with the Metric system and a part that works with the Imperial system for defining measurements. The "µm" is 25.4 times smaller than the "Mil". Dimensions for electronics are driven smaller all the time. To ensure the highest quality possible, we decided many years ago to work exclusively in the Metric system in our front end department. Therefore the basis of all measurements given in this document and in our website is the Metric system. All Imperial values are there for clarification and general understanding only.

There is no general consensus throughout the global PCB industry on terminology, so if we feel any term we use may be unclear we have tried to explain it when it first appears.

Date:	10 June 2020	Name:	Gagan M K
Course:	Java Tutorial for Complete Beginners	USN:	4AL17EC032
Topic:	• Arrays of Strings • Multi-Dimensional Arrays • Classes and Objects • Methods • Getters and Return Values • Method Parameters • Setters and "this" • Constructors • Static (and Final) • String Builder and String Formatting	Semester & Section:	6th sem & 'A' sec

AFTERNOON SESSION DETAILS

Image of session:



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Java Tutorial for Complete Beginners:

- **Learnt about "Arrays of Strings" in Java.**
- **Also saw "Multi-Dimensional Arrays"**
- **Learnt "Classes and Objects" Programs.**
- **Came across "Methods" in Java.**
- **Learnt Getters and Return Values**
- **Learnt how to pass Parameters in Method.**
- **Setters and "this" function was shown.**
- **The concept of Constructors Static (and Final) was learnt.**
- **String Builder and String Formatting was seen.**

```
package one;

public class Method {

      // Create a checkAge() method with an integer parameter called age
      static void checkAge(int age) {

        // If age is less than 18, print "access denied"
        if (age < 18) {
          System.out.println("Access denied - You are not old enough!");

        // If age is greater than 18, print "access granted"
        } else {
          System.out.println("Access granted - You are old enough!");
        }

      }

      public static void main(String[] args) {
        checkAge(20); // Call the checkAge method and pass along an age of 20
      }
    }
```

- **Strings Example:**

```
package one;

public class Array {
  public static void main(String[] args) {
    String[] cars = {"Volvo", "BMW", "Ford", "Mazda"};
    for (String i : cars) {
      System.out.println(i);
    }
  }
}
```