



# KPR Institute of Engineering and Technology

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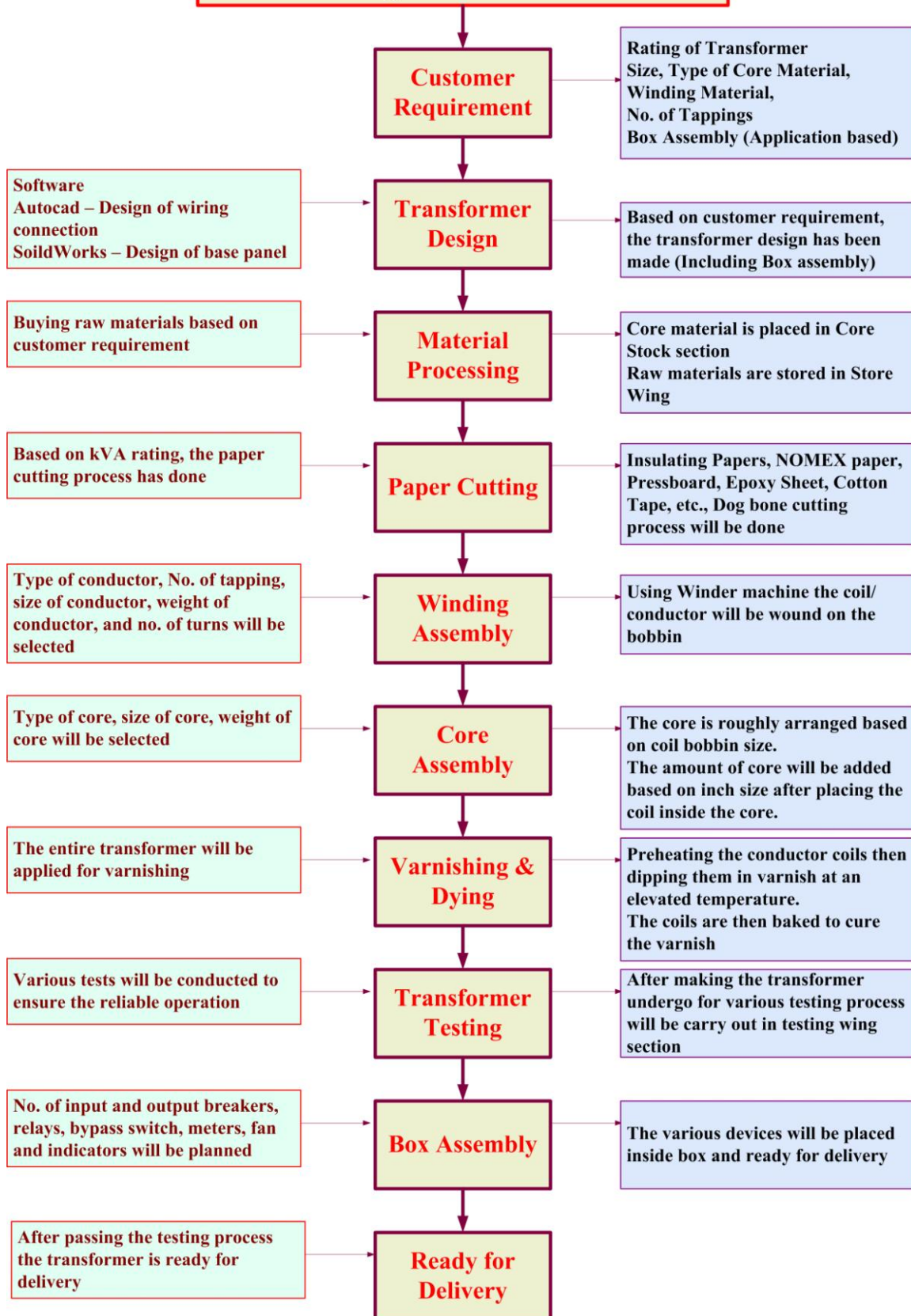
## Department of Electrical and Electronics Engineering

### **Magnetic and Controls Internship Visit Report**

Magnetic and Controls is one of the largest manufacturers of power conditioning/power saving equipment with advanced technologies. The company was started in the year of 2003 and manufacturing the servo voltage stabilizer, inductors/chokes/ reactors and various kind of transformer for various applications ranges from 50 VA to 1500 kVA ratings for Low Tension (LT) consumers. The products are manufactured at Coimbatore, under the brand name of Magnetic and Controls. Company head office is located in Coimbatore (Small Scale Factory) and Branch office in Saudi Arabia (Large Scale Factory). In Saudi Aramco, officially the Saudi Arabian Oil Company is Saudi Arabian national petroleum and natural gas Company based in Dhahran, Saudi Arabia. All the necessary raw materials are brought from different allied vendors in India after inspecting the standards provided by the client. The manufacturing process is progressing in the following stages and the detailed process is described in Figure.

- Store Wing Section
- Paper Cutting Section
- Core Stock Section
- Winding Wing Section
- Core Assembly Section
- Testing Wing Section
- Box assembly Wing Section

## Manufacturing Process of a Transformer



### **Manufacturing products:**

- Isolation Transformers
- Auto Transformers
- Control Transformers
- UPS Transformers
- Indoor and Outdoor Transformers
- Resin Cast Transformers
- Special Purpose Transformers
- Power Distribution Unit
- Servo Voltage Stabilizer
- Inductors/Chokes/ Reactors

### **Faculty In-charge**

C.Pazhanimuthu

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### **HoD/EEE**

