



SUTHANTHIRA THIRUNAL AMUDHA PERUVIZHA  
TAMIL NADU



**139, GOVERNMENT  
POLYTECHNIC COLLEGE,  
UTHANAGRAI-635207**

**INTERNSHIP TRAINING-2021-2022**

**Discussion by Principal Mrs. Hepzhiba Angela with DIC manager Mr. Prasanna regarding mapping of Industries for Internship**





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	Industry Evaluation and compatibility visit for mapping the students	
	Press news about an Internship Training organized by Government Polytechnic College, and Uthangarai.	
	Principal's official meet with DEO and DIC Manger regarding internship Training.	
	Internship Activities Planned	

## INTERNSHIP

An internship is a professional learning experience that offers meaningful, practical training related to a student's field of study or career interest. An internship gives an intern the opportunity to apply theoretical knowledge into practical, hands-on experience in an industrial environment. Internship training in industry offers valuable work experience, explores a career path, gives an edge in the job market, develops and refines skills, networks with professionals in the field, gives confidence and transition in to a job.

As per the sanctioned order for 160 students, from the DOTE office, we have mapped 160 students with financial assistance and 31 students without financial assistance with the following 13 industries, located in and around Hosur and other two companies located at Tirupattur and Salem district to undergo an internship training which were commenced on 01/07/2022 for 25 days with 8 hours on each day for our students.

### **Name of the Industries mapped for Internship Training are,**

1. Kattera Industrial Park, Guruparapalli, Krishnagiri
2. DNR Electricals, Field training at Government Medical College, Krishnagiri
3. Delta CNC Applications, **Sidco, Phase I**, Hosur
4. SKM Industries, **Sidco, phase I**, Hosur
5. Hi-Rel Tech, **Sidco, Phase I**, Hosur
6. Essae Gears Pvt. Limited, **Sidco, phase I**, Hosur
7. BSNL, Hosur.
8. Fathom Techno Crates, Hosur
9. SKMT Electronics, Thirupattur
10. MikroSun Technology, Salem.
11. TNEB- TamilNadu Transmission Corporation Limited, Gurubarapally
12. SSV Power Solutions Pvt.Limited, Hosur
13. Premier Mills Pvt.Limited, Hosur.

## Students Mapping with Companies on Financial Assistance Basis

The number of students mapped with various industries on financial assistance and non-financial assistance basis is as follows;

Sl.No	Branch	Name of the Company	No. of the students mapped from each branch
1.	Civil	Katterra Industrial Park, Guruparapalli, Krishnagiri	25
2.	Mechanical	Essae Gears Pvt. Limited,Sidco, phase I,Hosur	10
		SKM Industries,Sidco, phase I,Hosur	5
		Delta CNC Applications, Sidco, Phase I ,Hosur	5
		Katterra Industrial Park, Guruparapalli, Krishnagiri	15
3.	EEE	TNEB- TamilNadu Transmission Corporation Limited,Gurubarapally	5
		Hi-Rel Tech, Sidco, Phase I, Hosur	7
		DNR Electricals, Field training at Government Medical College, Krishnagiri	10
		Katterra Industrial Park, Guruparapalli, Krishnagiri	12
4.	ECE	BSNL,Hosur.	19
		SKMT Electronics ,Thirupattur	15
5.	Comp	BSNL,Hosur	17
		Fathom Techno Crates ,Hosur	08
		MikroSun Technology, Salem.	07
TOTAL			160



## Students Mapping with Companies without Financial Assistance Basis

Students mapped with various industries without financial assistance

Sl.No	Branch	Name of the Company	No. of the students mapped from each branch
1.	Mechanical	Essae Gears Pvt. Limited,Sidco, phase I,Hosur	10
		SKM Industries,Sidco, phase I , Hosur	01
2.	EEE	Katerra Industrial Park, Guruparapalli, Krishnagiri	02
		SSV Power Solutions Pvt. Limited , Hosur	06
		Primier Mills Pvt.Limited,Hosur	02
3.	ECE	SKMT Electronics ,Thirupattur	06
4.	Comp	Fathom Techno Crates ,Hosur	02
		MikroSun Technology, Salem.	02
TOTAL			31

Internship training for our college students were commenced on 1<sup>st</sup> July 2022 and completed exactly on 29th July. Totally 160 students have been get benefitted with financial assistance. Rupees 12,16000 have been paid to the above said eleven industries as an internship training cost as per G.O. (Ms) No.207, Higher Education (J1) Department, dated: 22.12.2020. An internship training was also arranged for 31 students additionally with free of cost for our college students from all departments as per the details given in the above table.

# PROFILE OF THE MAPPED INDUSTRIES.

## **1. Katerra India Private Limited,Hosur**

Katerra India Private Limited is a Private incorporated on 25 July 2013. It is classified as Subsidiary of Foreign Company and is registered at Registrar of Companies, Bangalore. Its authorized share capital is Rs. 1,500,000,000 and its paid up capital is Rs. 1,415,886,210. It is involved in Real estate activities with own or leased property. This class includes buying, selling, renting and operating of self-owned or leased real estate such as apartment building and dwellings, non-residential buildings, developing and subdividing real estate into lots,. development and sale of land and cemetery lots, operating of apartment hotels and residential mobile home sites. Katerra India Private Limited's Annual General Meeting (AGM) was last held on 30 November 2021 and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on 31 March 2021. Directors of the company are Ankur Gupta, and Pavankumar Vadirajachar

TOP VIEW OF KATERRA COMPANY



CIN

U70100KA2013FTC070303

Company Name

KATERRA INDIA PRIVATE  
LIMITED

Company Status

Active

RoC

RoC-Bangalore

Registration Number

70303

Company Category

Company limited by Shares

Company Sub Category

Subsidiary of Foreign Company

Class of Company

Private

Date of Incorporation

25 July 2013

Age of Company

9 years, 0 month, 8 days



## **2. ESSAE GEARS AND TRANSMISSIONS, HOSUR**

The Essae Group of companies is currently engaged in the manufacturing marketing of Electronic weighing scales and systems, Auto Components, Electronic Cash Registers, Bar coding and Scanning Systems, PCB Assemblies etc. One of the group companies - Chandran Training Institute is engaged in enhancing the knowledge of Indian Organisations in the realms of Quality Management. With 11 manufacturing facilities in Bangalore, Pondicherry and Goa and over 68 marketing outlets across the country, Essae group is a progressive business conglomerate. Essae Gears and Transmission's operating revenues range is INR 1 cr - 100 cr for the financial year ending on 31 March, 2021. It's EBITDA has increased by 11.85 % over the previous year.

### 3. DELTA CNC APPLICATIONS, HOSUR



Delta CNC Applications established in the year 2003 as small setup, has grown rapidly and housing several Turning Centers and Machining Centers. Today we are one of the leading high precision engineering components manufacturers based at Hosur, Tamilnadu, India. At present we are catering our services to various high precision industries like Hydraulics, Oil & Gas, Railways, Automotives, Horology and General Engineering, etc.,

With decades of strong core technical background in high precision tools and components manufacturing, the top management is strong commitment and beliefs in its vision to make this organization as one of the best choice as Precision Destination.

DELTA CNC is accredited with ISO 9001:2008 certified

DELTA CNC has a state-of-art facility, which manufactures precision machined components and sub-assemblies for various segments such as :

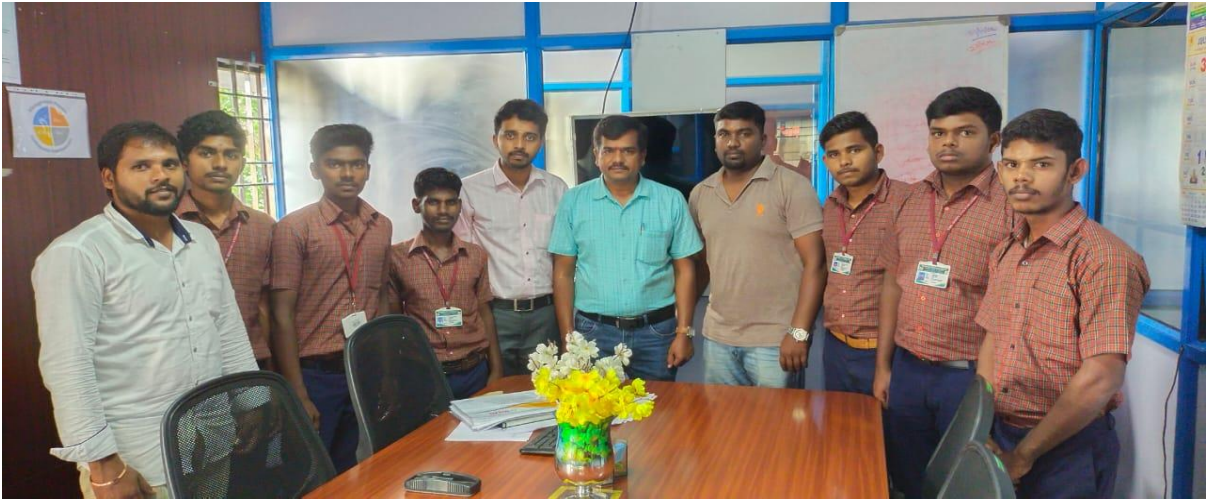
Oil & Gas, Automobile

Hydraulics (Automotive & Industrial)

General Engineering



## 4. SKM INDUSTRIES, HOSUR



SKM Industries is a Auto parts manufacturer in Hosur. Prominent & Leading Manufacturer of the leading pressed & fabricated, tube bending parts, rod bending parts & wire forming parts manufacturer in Hosur, Tamilnadu. Manufacturer of a wide range of products which include CNC Tube Bending and Cropping Parts, two Wheeler Crash Guard, Two Wheeler Side Stand, Saree Guard, Bottle Holder and Crash Guard and Seat Frame.

### **Products & Services**

**Products:** CNC Milling Components, CNC Precision Turned Components, Special CNC Components, CNC-VMC Machine parts, CNC Machined Component Job works, CNC Machined Component Brass,

**Services:** CNC Machine Job works, CNC Turning Machine Job works, Cylindrical Grinding Job works, CNC Wire Cutting Job works,

**ADDRESS:** No 5/741-9, Chinnaelsagiri, Balaji Nagar, Sipcot, Hosur, Tamil Nadu-635126

## 5. TANGEDCO

### GURUBARAPALLY- 230KVSS

**TAMILNADU TRANSMISSION CORPORATION LIMITED GENERAL  
CONSTRUCTION CIRCLE**

**ESTABLISHEDIN : 17.04.2015**

**STATIONNAME : GURUBARAPALLY-230/110/33-11KVSS**

**CAPACITY : 230/110/33/11-KV SS**

**NO OF SS CONNECTING : 4**

**NO OF OUTPUT FEEDER : 10**

**Email : [eeokpally@tnebnet.org](mailto:eeokpally@tnebnet.org)**

**CONTACT:**

**GURUBARAPALLI 230KV SS, GURUBARAPALLI (Tk&Po), KRISHNAGIRI  
(D.T) - 635122, TAMIL NADU.**



## 6. HI-REL TECH PRIVATE LIMITED, HOSUR



**Hi-Rel Tech** is a supply chain solutions provider that delivers comprehensive design, manufacturing, supply chain and product management services for a wide array of industries. Hi-Rel Tech Private Limited was established in 1998 as a supply chain consultant. Company's global supply chain as well as its manufacturing team led by senior managers with more than 25+ years of experience. Their strategic alliances with technology and supply chain partners across the globe enable them to provide clients, the best cost-effective and tailored solutions.

They have been functioning as an exclusive representative and independent distributor for various reputed and qualified state-of-art manufacturers of electronic and electromechanical components. They also have a class 10000 grade Electronics manufacturing facility including, Fully Automated SMT line with Wave soldering and manual through hole lines. In addition to cater special requirement to their customer, they established a manufacturing facility which uses SPM (special purpose machinery) for their export requirements. Its facility is equipped to provide a fully automated reports and documentations of MIL/Aerospace standards.

### **MISSION**

To provide their clients with cost effective and tailored solutions using their own Technology, expertise and global supply chain partners

### **VISION**

To be the symbol of reliable and robust services in the industry Corporate Office.



## 7. DNR ELECTRICALS, HOSUR



D.N.R Electricals in Hosur is established in the year 2015, D.N.R Electricals in hosur is a top player in the category of Electrical Engineering Contractors, Electrical Contractors for Factory, and Electrical Contractors for Corporate. This well-known establishment acts as a one-stop destination service provider to the customers both in local and from other areas of Hosur. Over the course of its journey, this business has established a firm foothold in its industry. This business employs individuals that are dedicated towards their respective roles and put in a lot of effort to achieve the common vision and larger goals of the company. In the near future, this business aims to expand its line of products and services and cater to a larger client base. In Hosur, this establishment occupies a prominent location. It is known to provide top service in the following categories: Electrical Contractors, Government Licensed Electrical Contractors, Fan Dealers, LED Light Dealers, Cable Wire Dealers, Fan Dealers-Havells, Industrial Electrical Contractors, and Cable Dealers.

**Products and Services offered:** D.N.R Electricals in Hosur has a wide range of products and services to cater to the varied requirements of their customers. The staffs at this establishment are courteous and prompt at providing any assistance.

## 8. BSNL, HOSUR



**BHARAT SANCHAR NIGAM LIMITED (BSNL)** was incorporated on 15th September 2000. It took over the business of providing of telecom services and network management from the erstwhile Central Government Departments of Telecom Services (DTS) and Telecom Operations (DTO), with effect from 1st October' 2000 on going concern basis. The company provides telecom services throughout the country excluding Delhi & Mumbai. BSNL is a 100% Govt. of India owned Public Sector Undertaking with an authorized share capital of Rs. 40,000 crores and paid up capital of Rs. 12,500 crores comprising of Rs. 5,000 crores of Equity and Rs. 7,500 crores of Preference shares capital. Its total income during the Financial Year 2020-2021 was Rs.18, 595 crores.



## 9. SKMT ELECTRONICS, TIRUPATTUR

SKMT Electronics Private Limited is a Private incorporated on 09 November 2021. It is classified as Non-Government Company and is registered at Registrar of Companies, Chennai. Its authorized share capital is Rs. 1,500,000 and its paid up capital is Rs. 150,000. It is involved in Manufacture of electronic valves and tubes and other electronic components

SKMT Electronics Private Limited's Annual General Meeting (AGM) was last held on N/A and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on N/A. Directors of SKMT Electronics Private Limited are Vijayakumar Gopi and Ravi Dhanalakshmi.

SKMT Electronics Private Limited's Corporate Identification Number is (CIN) U32109TN2021PTC147756 and its registration number is 147756. Its Email address is skmtelectronics535@gmail.com and its registered address is 247-1B, London Mission Road Po 20, London Mission Tirupattur, Vellore. TN 635601 IN  
Current status of SKMT Electronics Private Limited is - Active.



## 10. MIKROSUN TECHNOLOGY, SALEM

Mikrosun Technology is an ISO 9001:2008 certified Institution which provides Training and Development based career guidance for ECE, EEE, CSE, IT, MECH, CIVIL with Salem as its Head office which offering value added courses and projects in various disciplines. The unit was promoted by a group of professionals with handy experience, providing training in software and hardware with in-depth knowledge on the educational delivery system. The courses offered cover the most-wanted industry-demanding modules of electronics, electrical and computer technologies. It is designed effectively to address the learning curve of beginners, as well as professionals.





## 11. FATHOM TECHNOCRAT'S, HOSUR

Fathom Technocrats Private Limited is a Private incorporated on 03 May 2019. It is classified as Non-Government Company and is registered at Registrar of Companies, Chennai. Its authorized share capital is Rs. 100,000 and its paid up capital is Rs. 100,000. It is involved in Business activities. Fathom Technocrats Private Limited's Annual General Meeting (AGM) was last held on 31 December 2020 and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on 31 March 2020.

Directors of Fathom Technocrats Private Limited are Kumar, Susai Amulraj, Sobha and Shanmugam. Fathom Technocrats Private Limited's Corporate Identification Number is (CIN) U74999TN2019PTC129083 and its registration number is 129083. Its Email address is ca.sathishkumar.s@gmail.com and its registered address is Flat No.6, 284/5A1C Kamatchi Layout, Bathalapalli, Hosur, Krishnagiri TN 635109 IN. Current status of Fathom Technocrats Private Limited is - Active.

Fathom Technocrats has been established with an idea to provide professional engineering services like design, manufacturing and KPO in the field of automotive, industrial and special purpose machines within Hosur region. And also it is specialized for providing the **IT Technology Services**.



## **Internship Related Instructions**

In this connection, we have arranged a student's meet to give necessary instructions regarding internship training on 28-06-2022.

1. Do set specific goals for yourself and know what you want to accomplish during the internship
2. Do expect to be treated professionally. And do act professionally at all times
3. Do try and schedule regular meetings with your internship supervisor
4. Do make sure you leave your internship with new skills, a better understanding of your field, and tangible accomplishments
5. Punctuality is important. Make sure to arrive on time.
6. Do come to the office on your first day with an open attitude; attitude to observe, learn and with proper dress code.
7. Don't be afraid to ask questions when things are unclear. To get the most out of your internship, you need to be open to learning new skills and technique
8. Do not be impolite or rude to the Company Executives
9. Don't forget to take every chance to shine and stand out.
10. Do not leave the office without prior permission from the Company Guide

## **Internship training–Instruction session on 28/06/2022 at College Campus**



**Internship training-Instruction session  
on 28/06/2022 at college campus**





# STARTUP OF JOURNEY TO INTERNSHIP TRAINING

We have arranged food and accommodations at Kelamangalam Government Polytechnic Student's Hostel for our students those who are undergoing an internship Training.

**Started travel to Kelamangalam Government Polytechnic College, on  
30.06.2022 at 6.00 Pm**







# **ARRIVAL OF STUDENTS TO CONCERN INDUSTRIES MAPPED FOR INTERNSHIP TRAINING ON 01-07-2022.**

Students are reached to various Industries at 8.30 am on 01-07-2022

**KATERRAINUSTRIAL PARK PRIVATELIMITED, KRISHNAGIRI**



**BSNL, HOSUR**







## ESSAE GEARS PRIVATE LIMITED, HOSUR





## SKM INDUSTRIES, HOSUR







## **FATHOM TECHNOCRATS PRIVATE LIMITED, HOSUR**





## DELTACNCAPPLICATIONS, HOSUR



## DNR ELECTRICALS, HOSUR

### Arrival att Government Medical College, Krishnagiri





## INTRODUCTION CLASSES STARTED FOR THE STUDENTS.

KATERRA INDIA PRIVATE LIMITED, KRISHNAGIRI



## BSNL, HOSUR





## ESSAEGEARS, HOSUR





## SKM INDUSTRIES, HOSUR



## FATHOM TECHNOCRAT'S PRIVATE LIMITED, HOSUR





## **DNR ELECTRICALS,Hosur.**

Field training at Government Medical College, Krishnagiri







# DEPARTMENT OF CIVIL ENGINEERING

## KATERRA INDIA PRIVATE LIMITED



**KATEERA INDUSTRIAL PARK**  
**25 NUMBER OF STUDENTS ARE MAPPED FOR AN**  
**INTERNSHIP**

<b>S.No.</b>	<b>REG NO</b>	<b>NAME</b>
1	21100618	GOKULPRASANTH P
2	21100619	GUNAVALAVAN P
3	21100624	MONISHA T
4	21190554	HARISANKAR S
5	21190555	JAGAN S
6	21190556	JALAVUDEEN J
7	21190557	JAYAPRAKASH J
8	21190558	KALAIARASAN T
9	21190561	MANIYARASU P
10	21190562	MANJUNATHAN M
11	21190563	NAZEEBA S
12	21190564	PAVITHRAN B
13	21190565	PRABHAVATHI R
14	21190566	PRAKASH A
15	21190567	PRASANNA S
16	21190568	PRASANNA KUMAR V
17	21190569	RAGURAMAN T
18	21190571	SATHEESH V
19	21190572	SATHISH KUMAR M
20	21190573	SRIRAMAN T
21	21190575	THANGARASU G
22	21190576	THIRUMALAI S
23	21190577	THIRUPATHI S
24	21190578	VIJAYAKUMAR S
25	21190579	VINVIZHI V

DAY 1

Date: 01.07.2022

## **ACTIVITY: SAFETY INDUCTION & COMPANY INDUCTION**

- Safety engineers were introduced to the safety aspects of the company.
- They are involved in following the safety rules and regulations.
- Safety engineers were thought to students about rules has to be ensuring the safety measures in companies.



## ACTIVITY: MEDICAL CHECKUP AND FACTORY VISITING

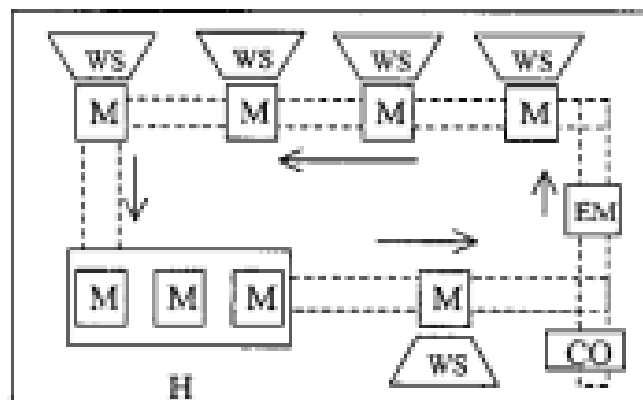
- Kattera Company conducted the medical checkup for all the internship students.





## ACTIVITY: PRODUCTION PLANNING TECHNIQUES AND PROCEDURES

- Students were visiting and learned about the typical production process in a precast factory consists of the following sequence:
- Mixing of concrete and moving of concrete from a mixing center to moulds.
- Setting of molds— cleaning and oiling of mold surfaces, and fastening of side frames;
- Placing of reinforcements, fixtures, electrical conduits, inserts, etc. to be contained in the components;
- Casting— pouring, compacting, and leveling of concrete;
- Curing— through an artificial usually heating! or natural air curing process;
- Demolding—stripping the side frame and taking out the components;
- Finishing, patching, and repairing components; and Placing the completed components in the stockyard to achieve the delivery strength. Precast items can then be transported to the construction site.

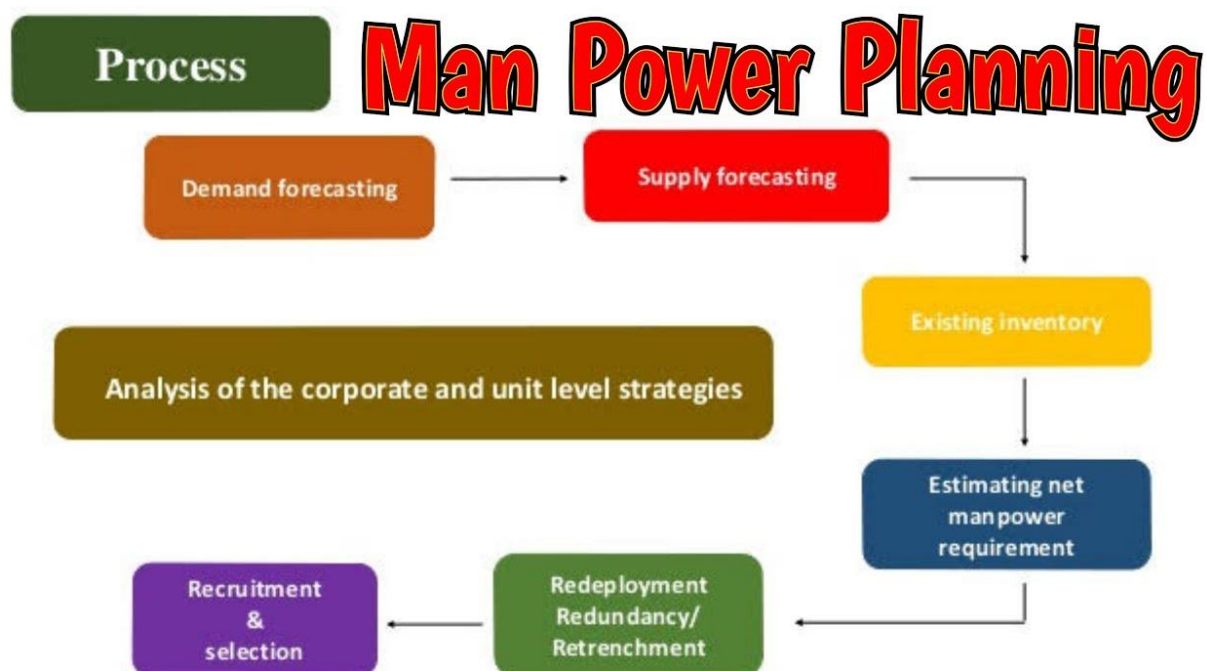


M: mold; WS: workstation; H: heating chamber;  
EM: empty mold; CO: completed component.



**ACTIVITY: MATERIAL AND MAN POWER PLANNING**

- Students were well-educated the important to understand the nature of the materials used in the precast concrete buildings and also learned the behavior of these two under service loads is dependent on the properties of the material composition as well as the manufacturing process
- They were overview of different materials used in precast concrete buildings.
- They have been knowledgeable of the details of Supervision and inspections of works on 05.07.2022.
- And students were well trained for the planning of man power in precast construction. The flow chat of planning of man power given below,

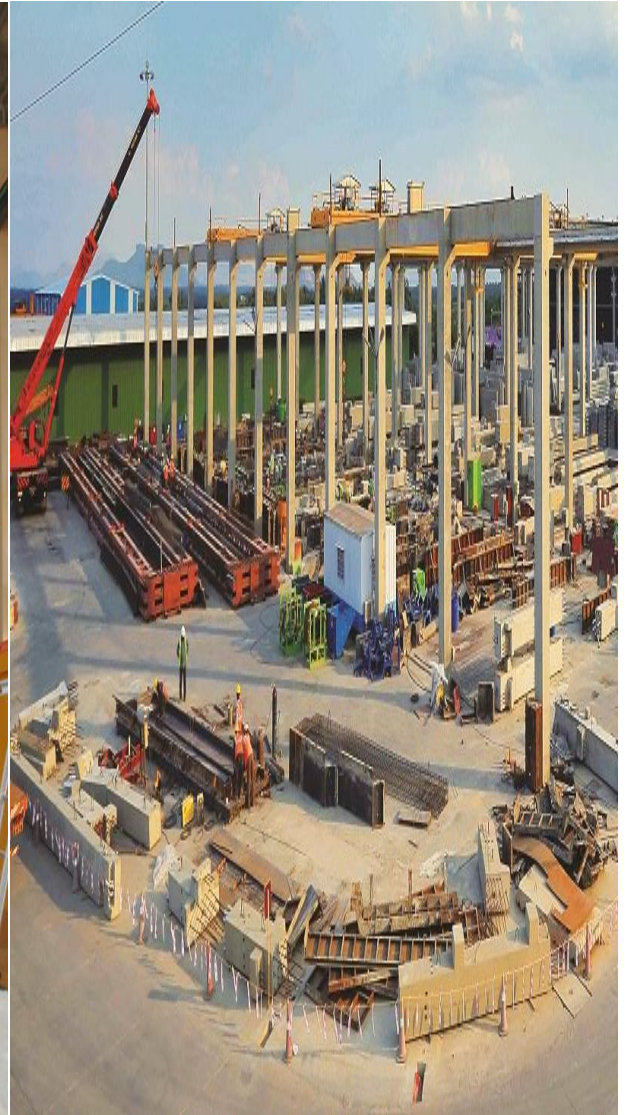




**ACTIVITY: MATERIAL TYPES USED AND HANDLING**

- The students were learned and visited at site for types of materials handling for this project.
- The following materials were used for this project is given below,
- Cement
- Supplementary Cementitious Material [SCMs]
- Aggregates
- Water
- Pigments [Oxides]
- Reinforcement
- Reinforcing Bars
- Prestressing Tendons

Steel tendons for prestressed concrete may be wires, strands or, bars. Wires and strands are commonly used for pre-tensioned members. 7- Wire strands systems are the most common system used for post-tensioned members.



Date: 07.07.2022

## ACTIVITY: INTRODUCTION TO PRECAST ELEMENT (COLUMN AND BEAMS)

- Students were understood about the precast elements such as column and beams and learned which is grouted the beam column junctions after erection of beams
- They were at present developed a column casting yard that will have 15 moulds of 15 RMT each, for casting triple height columns
- Students had well educated the most suited of precast columns for industrial, commercial and IT bay buildings





Date: 08.07.2022

## ACTIVITY: STEEL BINDING WORK DEMONSTRATION

- The Students were conducted a Skill Practical activity on different details provided reinforcement drawing of column
- They were well educated the purpose and duration of the activity.
- They learned to guidelines pertaining to discipline and expected tasks.



1. JAGAN S-21190555
2. JALAVUDEEN.J -21190556
3. JAYAPRAKASH-21190557
4. KALAIYARASAN T-21190558
5. THANGARASU G- 21190575
- 6.SRIRANAN T - 21190573

Date: 09.07.2022

## ACTIVITY: SHOP DRAWING & SITE PLAN AND LAYOUT

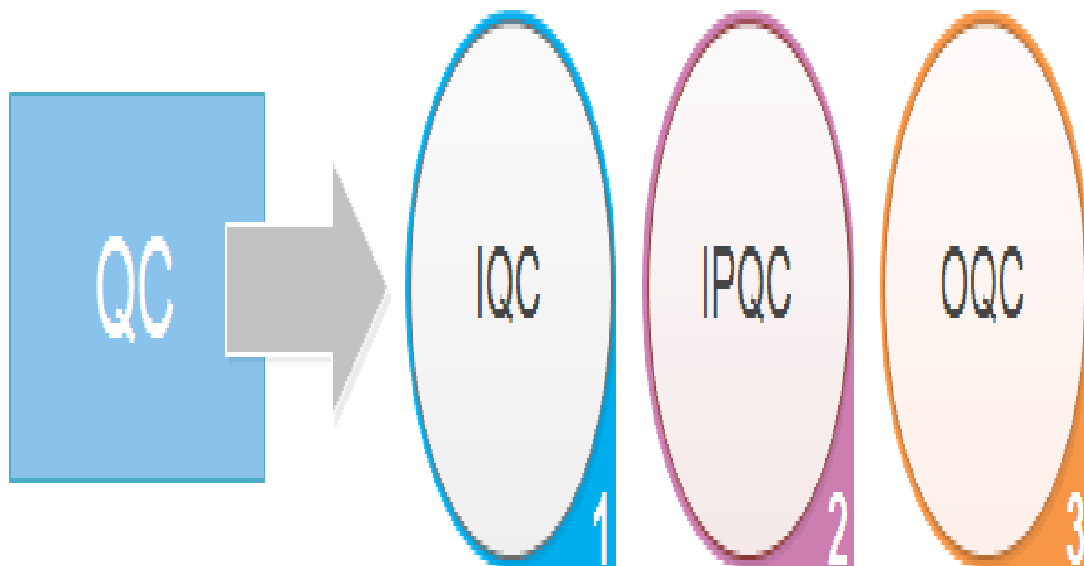
### KNOWLEDGE

- Students were well educated to shop drawing which is a drawing or set of drawings produced by the contractor, supplier, manufacturer, subcontractor, consultants, or fabricator.
- Shop drawings details given below,
- Shop drawings are typically required for prefabricated components.
- Examples of these include: elevators, structural steel, trusses, pre-cast concrete, windows, appliances, cabinets, air handling units, and millwork.
- Also critical are the installation and coordination shop drawings of the MEP trades such as sheet metal ductwork, piping, plumbing, fire protection, and electrical.
- Shop drawings are produced by contractors and suppliers under their contract with the owner.
- The shop drawing is the manufacturers or the contractor's drawn version of information shown in the construction documents

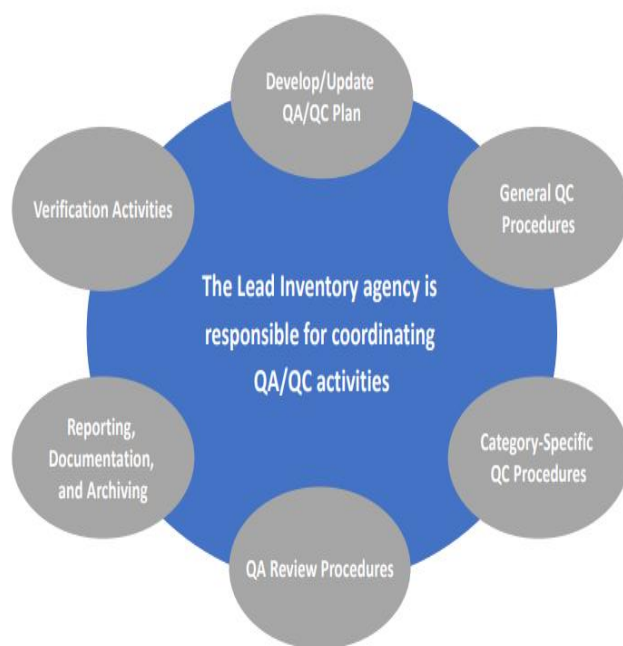


## ACTIVITY: QUALITY CHECKING PROCEDURES

- Students were conducted the sieve analysis test for the incoming materials of coarse aggregate and fine aggregate.
- They were learned intellectually about the quality checking of precast concrete elements for this project.
- They were learned to responsible for coordinate quality control & assurance for the precast concrete elements.







1. MONISHA T – 21100620
2. NAZEEBA S -21190563
3. PRABAVATHI R – 21190565
4. VINVIZHI V -21190579

## ACTIVITY: QUALITY ASSURANCE AND LAB TESTING PROCEDURES

- The quality in charge of Katterra Company was explained and thought to the students about the field quality plan for this project.
- In this project, the quality checking of the precast elements were learned by our students reliably.
- The incoming materials had been tested by our students for quality check as per field quality plan.
- The following tests were conducted on cement in the laboratory are as follows:
  - Fineness Test.
  - Consistency Test.
  - Setting Time Test.
  - Strength Test.
  - Soundness Test.
  - Heat of Hydration Test.
  - Tensile Strength Test.
  - Chemical Composition Test.



1. **HARISANKAR S -21190554**      2.**MANJUNATHAN M - 21190562**

**DAY 11**

**Date: 13.07.2022**

## **ACTIVITY: BAY 1 PRODUCTION AND TECHNIQUES**

- Students were studied about the hollow core slabs such as precast slabs of pre-stressed concrete.
- Those were typically used in the construction of floors in multi-storey residential, commercial, office, and industrial buildings.
- It is also possible to use hollow core slabs in vertical or horizontal installations as walls or noise barriers.





GOKULPRASANTH P - 21100618

## ACTIVITY: BAY 2 PRODUCTION AND TECHNIQUES

- The students were interested to visit the site for casting the precast Columns.
- They were involved gladly into the binding of column reinforcement due to execution drawing and understood easily for this project.
- The precast columns are most suited for industrial, commercial and IT bay buildings where columns have thicker sections.
- Columns can either be pre-casted on site if space permits, or they can be manufactured in our factory and transported to the site.



**THIRUPATHI S - 21190577**



## ACTIVITY: BAY 3 PRODUCTION AND TECHNIQUES

- Students observed the precast concrete walls details and its dimension had checked.
- They observed and involved which precast concrete wall constructed by using the reusable wall mold.
- The main function of the precast walls is to speed up the construction process



**KALAIYARASAN T -21190558**



## ACTIVITY: BAY 4 PRODUCTION AND TECHNIQUES

- Students learned from the site of bay 4 for casting the precast concrete beams.
- They were well educated the main part of the building elements of beams & slabs which has to be used for the project.
- They studied about the pressuring the tendons for the preparing precast beams & slabs and span in modules between walls and are tied together with rebar that locks into a thin cast-in-place slab.



## ACTIVITY: BAY 5 PRODUCTION AND TECHNIQUES

- In this bay 5 site, Students learned to cast the precast concrete slabs.
- They were practiced to binding steel reinforcement for the slabs.
- They have good knowledge about the slab drawing of this project.
- They studied about the pressuring the tendons for the preparing precast slabs and span in modules between walls and are tied together with rebar that locks into a thin cast-in-place slab.



**JAYAPRAKASH J -21190557**

## ACTIVITY: FINISHED GOOD STOCKING AND DISPATCH ACTIVITIES

- Students observed to finish the precast elements with proper quality and promotion.
- They learned about stocking the precast elements and safety rules.
- Stocking of precast elements which having the standard of rules has been declared to the students.
- Students well educated the dispatching actives of precast elements.
- They were learned about the dispatch which having necessary instructions according to pre-planned times and sequence of operations embodied in route sheets and loading schedules.





## ACTIVITY:FINISHED GOOD DISPATCH AND PROCEDURES

- Students cultured about the dispatch of precast elements.
- Dispatching is the implementation of the third step in the production process, which consists of sending orders, instructions, orders, and other things to start work.
- This is the action or implementation stage, which comes after routing and scheduling in the production process stage.



## ACTIVITY: FACTORY MACHINERY AND USAGE

- Students were learned the machinery of production units
- The production machinery means any machine which processes, forms, shapes, or transports raw materials, materials in process, waste materials or finished products
- Students well trained the Industrial Machineries. It's used in a specified trade or manufacture and includes but is not necessarily limited to oilfield and construction equipment.



**DAY 19**

**Date: 22.07.2022**

## **SITE COORDINATION AND RELATED ACTIVITIES**

- Students trained about the co ordination of project site with the help of supervising engineer.
- They were learned about the co coordination of plan, organize and direct activities of a construction project.
- They were trained day-to-day responsibilities of the project.





Date: 23.07.2022

## **QUANTITY SURVEYING AND PROCEDURES**

- Students were learned about the estimate and control costs for this production of precast concrete units.
- They observed that the structural meet legal and quantity standards.
- They well knowledge about the every stage of quantity surveyor involved in production of precast units.



- |    |              |          |
|----|--------------|----------|
| 1. | MONISHA T    | 21100620 |
| 2. | NAZEEBA S    | 21190563 |
| 3. | PRABAVATHI R | 21190565 |
| 4. | VINVIZHI V   | 21190579 |

**DAY 21**

Date: 25.07.2022

## **POD FACTORY INTRODUCTION AND TECHNIQUES**

- Students learned and visited the factory of making the pod homes that is small prefabricated houses.
- They were done practically into the assembled of pod homes as per the supervisor instruction.



## **ACTIVITY: TYPES OF POD ELEMENTS AND THEIR CONSTRUCTION**

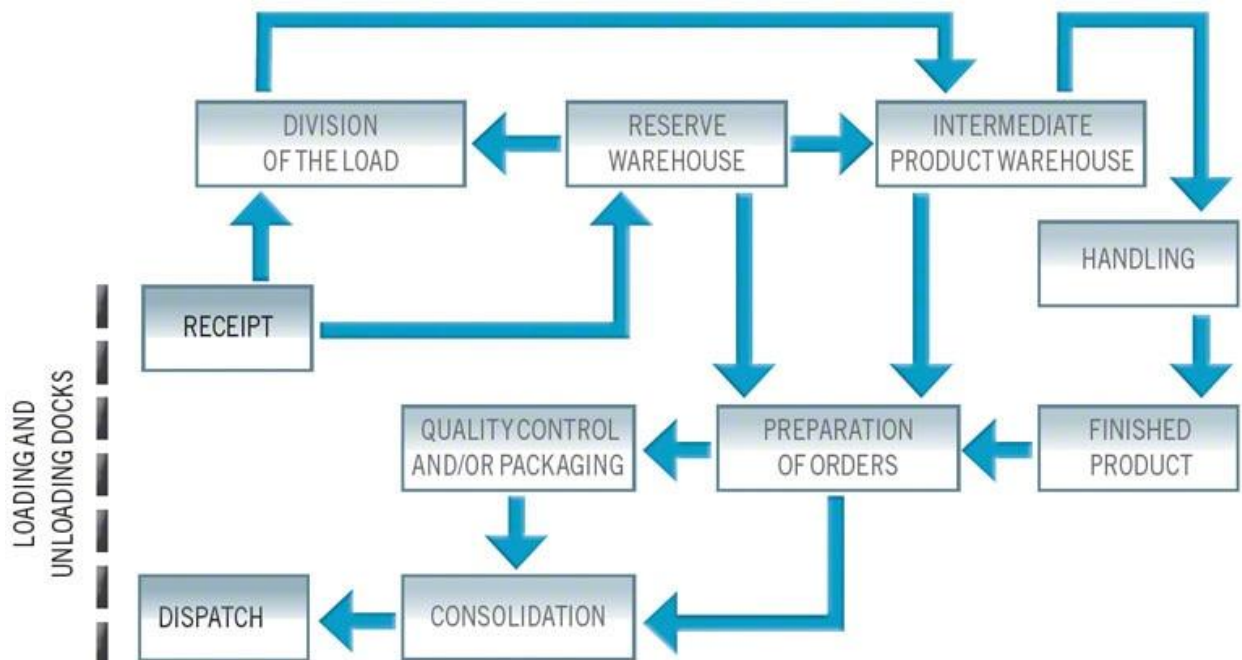
- Students observed and visited the making of pod elements and their construction activity.
- They had well knowledge about the types of pod elements.





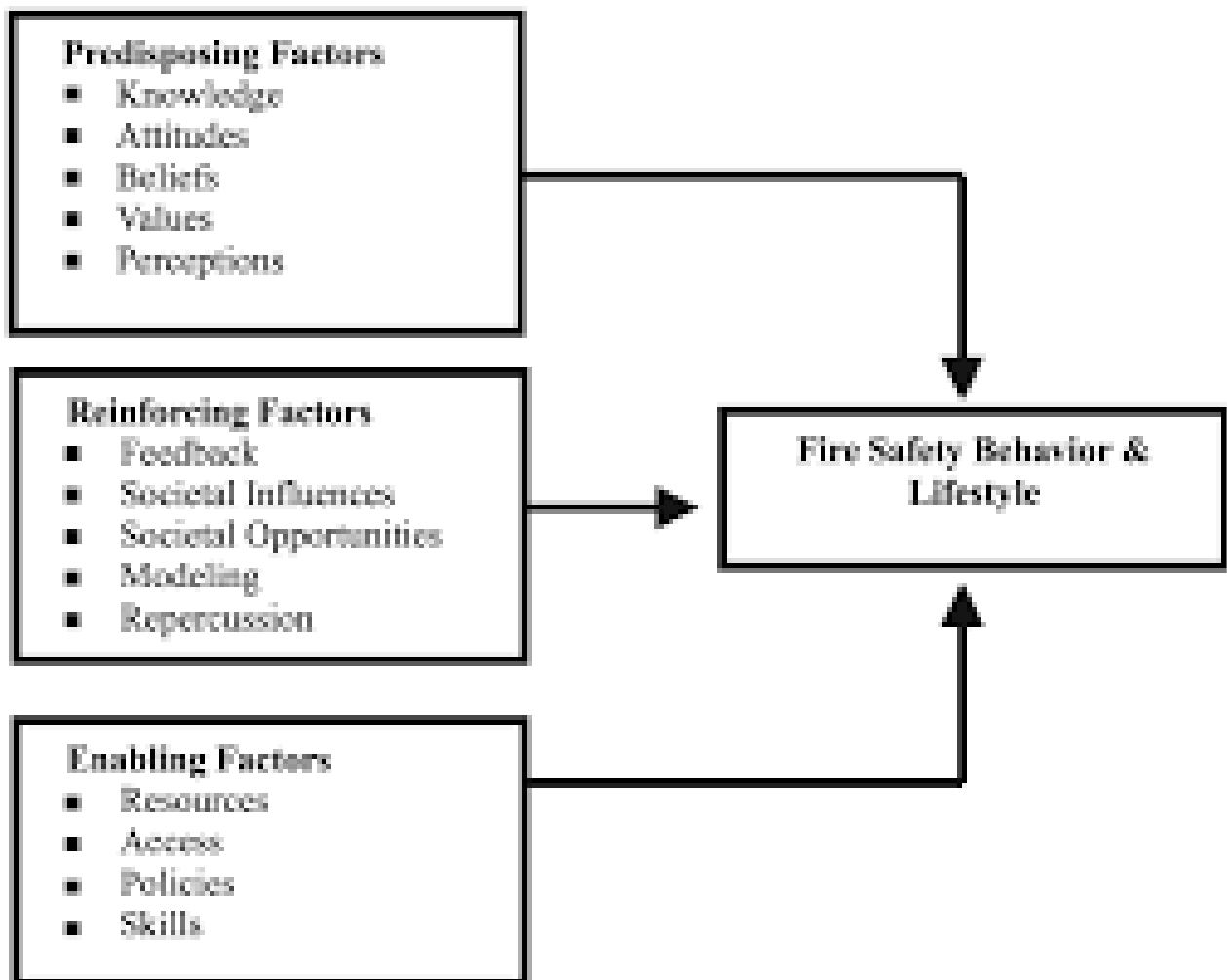
## ACTIVITY: WALKING THROUGH WARE HOUSE AND PROCEDURES

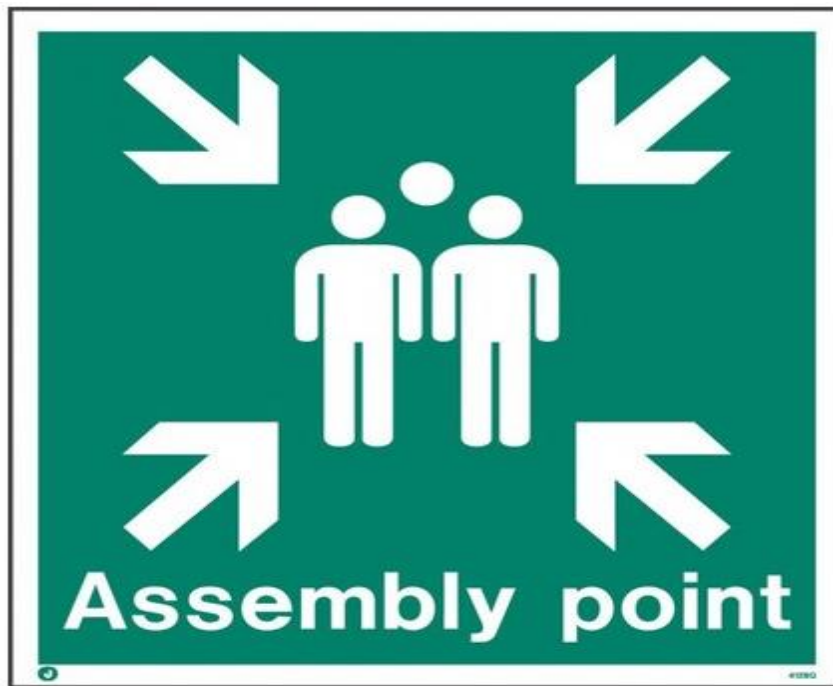
- Students observed and followed about the safety rules and procedure for walking through ware houses.



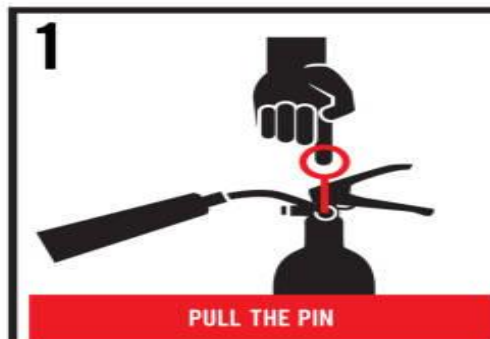
## ACTIVITY: KNOWLEDGE OF FIRE AND SAFETY

- Students observed and followed continuously of fire and safety rules for production of precast concrete unit project work.









## **REVIEW & OBSERVATION ON INTERNSHIP TRAINING**

- Students were reviewed of the production of precast units such as beams, slabs, walls, staircases and columns with the help of Supervising Engineer at KATERRA INDIA PVT LTD.
- They were observed the doubts of precast unit's construction.



# FORM- IV: ATTENDANCE SHEET

Name & Address of Organization

<b>Katerra India Pvt. Ltd.</b> 231/A, 232/A, Vinayakapuram Village Kurubarapalli Post, Krishnagiri-635 115, Tamil Nadu, India.
---

Name of Student	A. PRAKASH
Roll. No	21190566
Name of Course	CTVTI
Date of Commencement of Trg.:	01/07/2022
Date of Completion of Training:	29/07/2022

## Initials of the student

Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	A. Prakash	A. Prakash	HOLIDAY	A. Prakash	A. Prakash	A. Prakash	A. Prakash	A. Prakash	A. Prakash	HOLIDAY	A. Prakash	A. Prakash	A. Prakash	A. Prakash	A. Prakash	A. Prakash	HOLIDAY	A. Prakash	A. Prakash	A. Prakash	A. Prakash	A. Prakash	A. Prakash	HOLIDAY	A. Prakash	A. Prakash	A. Prakash	A. Prakash	A. Prakash	---	HOLIDAY

## Note:

- Attendance Sheet should remain affixed in Daily Training Diary. **Do not remove or tear it off.**
- Student should sign /initial in the attendance column. Do not mark 'P'
- Holidays should be marked in **Red Ink** in attendance column. Absent should be marked as 'A' in **Red Ink**.

  
 Signature of Company internship  
 supervisor with company stamp/  
 seal



(Name JOHNSON) Contact No. 9500879808










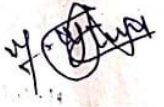
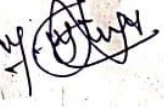
139 GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI					
STUDENT'S DAILY LOG					
KATEERA - INTERNSHIP					
Week -					
STUDENT NAME: A. PRAKASH			BRANCH: CIVIL		
S.NO	Date	Time of Arrival	Time of Departure	Student Observations(Record Main Points)	Remark by Supervisor
1	1.07.22	8.30 AM	6.00 PM.	Safety, and Aluminium and glazing.	H. Ravinder
2	4.07.22	8.30 AM.	5.30 PM.	Aluminium and glazing, Joist.	H. Ravinder
3	5.07.22	8.30 AM.	4.30 PM.	Pre Casted mixing Grade, Column, Bar dia.	H. Ravinder
4	6.07.22	8.30 AM	4.30 PM	Flexible beam Grade, Hollow core using.	H. Ravinder
5	7.07.22	8.30 AM	4.30 PM	Reinforcing types Column, uses.	H. Ravinder
6	8.07.22	8.30 AM	4.30 PM	Steel lapping, Types of beam.	H. Ravinder
7	11.07.22	9. AM	4.30 PM.	Pre stressed beam and visit in steel bending	H. Ravinder
8	12.07.22	9.00 AM	4.30 PM	Types of cover block and v types cutting	H. Ravinder

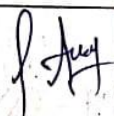


H. Ravinder

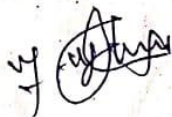

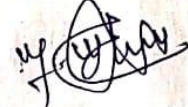



Kateera Limited Pvt. Ltd.  
237/A, 232/4, Vinayakapuram Village,  
Kumbharapalli Post, Krishnagiri-635 115.  
Tamil Nadu, India.



S.NO	Date	Time of Arrival	Time of Departure	Student Observations(Record Main Points)	Remark by Supervisor
9	13.07.22	8.30AM	4.30 PM	Water flow oil and oil flow using	
10	14.07.22	8.30 AM	4.30 PM	Hollow core used stands in visit.	
11	15.07.22	9.00AM	4.30 PM	I learn about the mould checking	
12	16.07.22	9.00AM	4.30 PM	Stair case and Parapet wall visit.	
13	18.07.22	9.00 AM	4.30 PM.	Column and Stair case visit.	
14	19.07.22	9.00AM	4.30 PM	Symbols used and General information	
15	20.07.22	9.00AM	4.30 PM.	Stair case and landing about learn.	
16	21.07.22	9.00AM	4.30PM.	I learn about the lab	
17	22.07.22	9.00AM	4.30PM.	Grade types and sieve analysis.	



**Katerra India Pvt. Ltd.**  
231/A, 232/4, Vinayakapuram Village  
Kurubarapalli Post, Krishnagiri-635 115.  
Tamil Nadu, India.

S.NO	Date	Time of Arrival	Time of Departure	Student Observations(Record Main Points)	Remark by Supervisor
18	23.07.22	9.00AM	4.30PM	Cube Casting	
19	25.07.22	9.00AM	4.30PM	Cement test and Steel test	
20	26.07.22	9.00AM	4.30PM	Bunker and Plant visiting	
21	27.07.22	9.00AM	4.30PM	Retaining Wall and Shear Wall.	
22	28.07.22	9.00AM	4.30PM	Steel binding visit.	
23	29.7.22	9.00AM	4.30PM	Column and beam visit	
24	2.7.22	9.00AM	4.30PM	Steel visit	
25	9.7.22	9.00AM	4.30PM	Stairs case visit	



**Katerra India Pvt. Ltd.**  
 231/A, 232/4, Vinayakapuram Village  
 Kurubarapalli Post, Krishnagiri-635 115.  
 Tamil Nadu, India.



**FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF  
INTERN- 20 MARKS**

Student name A. PRAKASH (Civil) Date: Work  
 supervisor M. Sairathu Title: Engineer, Precast and Producti  
 Company/Organization: Katerra Internship address: 231/A, 232/4 Kurubarapalli  
Krishnagiri - 635 115  
 Dates of Internship: From 01.07.2022 To 29.07.2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors – 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	1		
Performs in a dependable manner	1		
Cooperates with co-workers and supervisors	1		
Shows interest in work	1		
Learns quickly	1		
Shows Initiative	1		
Produces high quality work	1		
Accepts responsibility	1		
Accepts Criticism	1		
Demonstrates organizational skills	1		
Uses technical knowledge and expertise	1		
Shows good judgment	1		
Demonstrates creativity/originality	1		
Analyzes problems effectively	1		
Is self-reliant	1		
Communicates well	1		
Writes effectively	1		
Has a professional attitude	1		
Gives a professional appearance	1		
Is punctual	1		

Overall performance of student intern (circle one):

(Excellent / Excellent / Good / Satisfactory) Additional comments, if any:

Signature of Industry supervisor M. Sairathu HR Manager [Signature]



**Katerra India Pvt. Ltd.**  
 231/A, 232/4, Vinayakapuram Village  
 Kurubarapalli Post, Krishnagiri-635 115  
 Tamil Nadu, India.

## INTERNSHIP CERTIFICATE



Katerra India Pvt. Ltd. (Formerly known as KEF Infrastructure India Pvt. Ltd.), CIN-U70100KA2013FTC070303  
231/A, 232/4, Vinayakapuram Village, Kurubarapalli Post, Krishnagiri Taluk, Krishnagiri-635115, Krishnagiri, Tamil Nadu 635115

Web: [www.katerra.com](http://www.katerra.com)

Email I'd: [johnson.thiruselvam@katerra.com](mailto:johnson.thiruselvam@katerra.com)

MST/139 GPTC  
INTERNSHIP TRAINING

Certificate No: 29

### Internship Training Certificate

This is to certify that **PRAKASH A** Reg.No **21190566**  
from **Government Polytechnic College, Uthangarai** has successfully completed the Internship  
Training on **“PRECAST UNIT PRODUCTION & CONSTRUCTION”** for **25 days**  
(**01.07.2022 to 29.07.2022**). During this period, student conduct was **good and satisfactory**.

For Katerra India Pvt Ltd

  
**Johnson T**  
Sr. Executive - HR



## ATTENDANCE CERTIFICATE



Katerra India Pvt. Ltd. (Formerly known as KEF Infrastructure India Pvt. Ltd.), CIN-U70100KA2013FTC070303  
231/A, 232/4, Vinayakapuram Village, Kurubarapalli Post, Krishnagiri Taluk, Krishnagiri-635115, Krishnagiri, Tamil Nadu 635115

Web: [www.katerra.com](http://www.katerra.com)

Email I'd: [johnson.thiruselvam@katerra.com](mailto:johnson.thiruselvam@katerra.com)

Total No of Days: 29

No of days Present: 29

No of days Absent: 0

### Internship Training Attendance Certificate

This is to certify that **PRAKASH A** Reg.No 21190566  
from **Government Polytechnic College, Uthangarai** has successfully completed the Internship  
Training on “ **PRECAST UNIT PRODUCTION & CONSTRUCTION** ” for **25 days**  
(01.07.2022 to 29.07.2022). During this period, student conduct was **good and satisfactory**.

**For Katerra India Pvt Ltd**

  
**Johnson T**

**Sr. Executive - HR**



## **DEPARTMENT OF MECHANICAL ENGINEERING**

**MECHANICAL STUDENTS ARE MAPPED WITH THE  
FOLLOWING INDUSTRIES;**

**ESSAE GEARS AND TRANSMISSIONS, HOSUR,**

**DELTA CNC APPLICATIONS, HOSUR,**

**SKM INDUSTRIES, HOSUR, AND**

**KATERRA INDUSTRIAL PARK, HOSUR**

**List of students mapped with Katterra India Private Ltd.with Financial Assistance**

<b>S.NO</b>	<b>REG NO</b>	<b>NAME</b>
1	21201574	RAGUL S
2	21201586	SRINATH S
3	21201577	RAMACHANDIRAN S
4	21201588	UDAYAKUMAR M
5	21201579	RAMKUMAR G
6	21201576	RAJKUMAR R
7	21290383	KARTHICK M
8	21201564	KUMURAN A
9	21201583	SANJAY M
10	21201567	MOHAMMAD ABUBAKER H
11	21201544	BALAMURUGAN R
12	21290385	MAGENDIRAN K
13	21201561	KAVIN K
14	21201558	JEEVAN PRASANTH T
15	21201578	RAMAMOORTHY C

**List of students mapped with SKM Industries with Financial Assistance**

<b>S.NO</b>	<b>REG NO</b>	<b>NAME</b>
1	21201571	PRAKASH D
2	21290379	DINESH KUMAR C
3	21201550	GOKULAKRISHNAN K
4	21201547	DHARASATHAN S
5	21201580	RANJITH KUMAR S

**List of students mapped Essae Gears with Financial Assistance**

<b><u>S.NO</u></b>	<b>REG NO</b>	<b>NAME</b>
1	21201566	MANIGANDAN R
2	21290387	POOVARASAN T
3	21290381	GANESH M
4	21290373	ASHOK KUMAR E
5	21201592	VIKRAM S
6	21201549	GOKUL P
7	21201560	KARTHIKEYAN L
8	21290392	STALIN M
9	21201546	DEEPAK S
10	21201551	GOKULNATH K

**List of students mapped with Delta CNC Applications with Financial Assistance**

<b>S.NO</b>	<b>REG NO</b>	<b>NAME</b>
1	21290382	GOWTHAM M
2	21290376	BOOPALAN P
3	21290377	CHAKRAVATHI D
4	21290391	SIVAKUMAR K
5	21290393	VINOTH M



**List of students mapped with Essae Gears without Financial Assistance**

<b><u>S.NO</u></b>	<b>REG NO</b>	<b>NAME</b>
1	21201545	CHANDRU K
2	21201557	JAYASURYA G
3	21201572	PRATHAP M
4	21201591	VIGNESH T
5	21290372	AJITHKUMAR S
6	21290374	BAGAVATHI P
7	21290380	DHIVAKAR R
8	21290386	MOHAN M
9	21290389	RAGUL A
10	21290384	KIRUBAKARAN G

**List of students mapped with SKM Industries without financial Assistance**

<b><u>S.NO</u></b>	<b>REG NO</b>	<b>NAME</b>
1	21201934	VADIVEL R

## Day wise Activities

### ESSAE GEARS AND TRANSMISSIONS, HOSUR



**Date: 01/07/2022**

**Venue:ESSAE GEARS**

**Activity: 1**

After Entering In Essae Gears – 5s Safety Measures, Gears Safety Measures, Measuring Instruments Used In Gears, Gear Tooth Vernier.



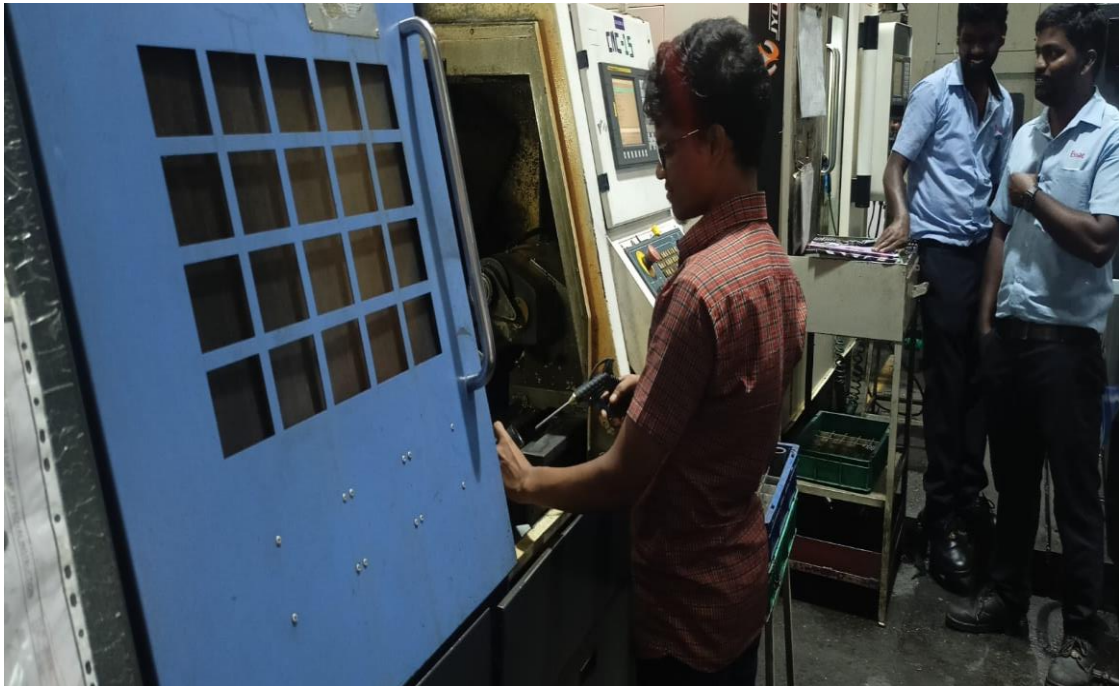
**Description:**

Students have learned about Machining Process, Shearing Process, and Usage of Limit Gauges & Ring Gauges, Plug Gauge used for Measurements, Microns & Improvements of Microns observed and the Production Process of Ospj Sleeve



**Date: 04/07/2022**

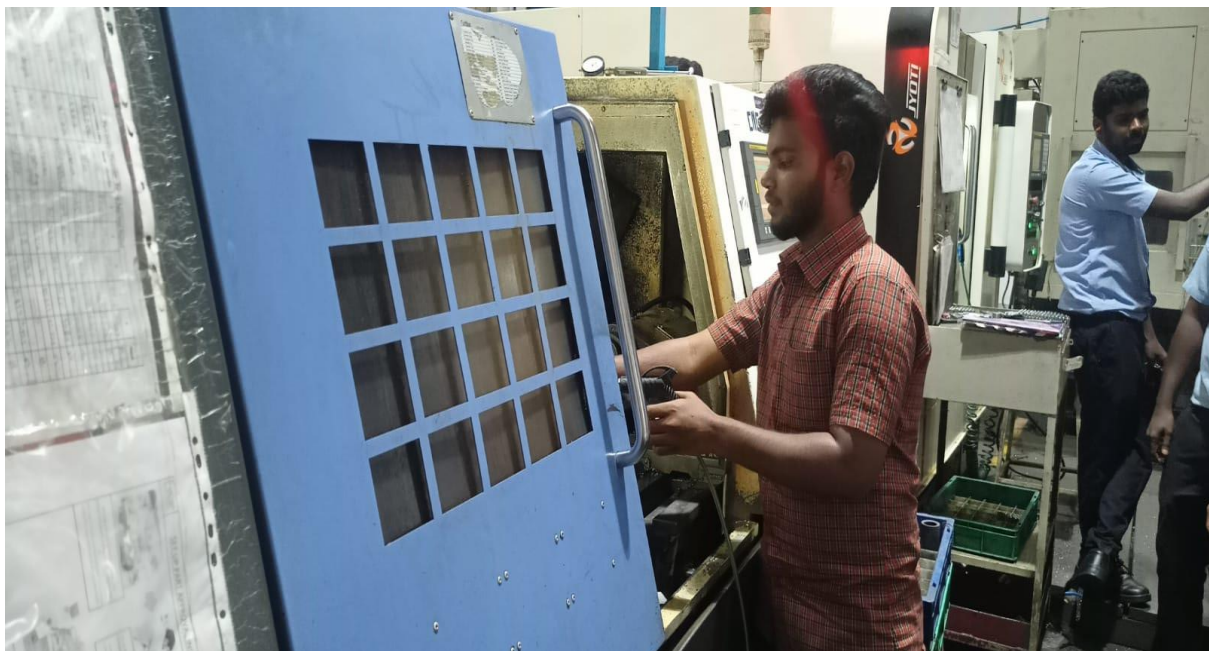
**Venue: ESSAE GEARS**



**Description:** Students have learned about how to operate CNC machine, manufacturing process machine process and precision forging division.

**Date: 05/07/2022**

**Venue: ESSAE GEARS**



**Description:** Students are learned about the basic parts of cnc machine, and they have seen about gauges dial indicator and radius gauges, manufacturing process methods.

**Date:** 06/07/2022

**Venue:** ESSAE GEARS



**Description:** They have learned about how to clamp the raw material in cnc machine and watching dial indicator and air gauges

**Date:** 07/07/2022

**Venue:** ESSAE GEARS



**Description:** They have learned about how to function the program in CNC & watching surface finishing methods, set the blades and inserts.



**Date:** 08/07/2022

**Venue:** ESSAE GEARS



**Description:** Students have learned about how to clamp the raw material in vmc, watching process methods and set the program in m-code & g-code.

**Date:** 09/07/2022

**Venue:** ESSAE GEARS



**Description:** Students have learned about how to operate and unclamp the raw material in cnc and learned about how to check the finished parts using plug gauges Instruments.



**Date: 10/07/2022**

**Venue: ESSAE GEARS**



**Description:** students have learned about how to manufacturing clutch drum material in cnc and have learned about different methods which are used in cnc and watched the process method.

**Date: 12/07/2022**

**Venue: ESSAE GEARS**



**Description:** Students have learned about cnc turning machine and how it operates and learned about g – code and programing, cleaning the cnc machine using air guns.

**Date:** 13/07/2022

**Venue:** ESSAE GEARS

**Description:** Students have learned about how to program set in vmc machine and its methods and working in vmc machine (vertical milling centre).

**Date:** 14/07/2022

**Venue:** ESSAE GEARS



**Description:** Students have learned about how to making the finished job in clutch drum in vmc machine and checking the coolant oil thickness.

**Date:** 15/07/2022

**Venue:** ESSAE GEARS



**Description:** Students have learned about how to operating in vmc machine bed axis control methods and how to operate the handle in bed moments.



**Date: 16/07/2022**

**Venue: ESSAE GEARS**



**Description:** Students have learned about how to clean the cnc chuck parts in extra burs used the air guns with compressed air.

**Date: 18/07/2022**

**Venue: ESSAE GEARS**



**Description:** Students have learned about how to make the gear primary driven parts in vmc machine and clamp the work piece using the program.





**Description:** Students have learned about how to make the hub pulley process in cnc machine and daily checking the lub and coolant oil in cnc.

## Day wise Activities

### DELTA CNC APPLICATIONS

Date: 02.07.2022

Venue: DELTA CNC.

#### Activity:



#### Description:

Training has been given for engineering drawing, basic reading with views of projection in the part which is to be machined in the cnc machine.

Students have learned about GD & T & QMS applications quality of production in the part with the geometric dimensions & tolerance & quality management system with effectiveness in the production.

In that they learnt about the incoming inspection & store in the finished goods in the storage devices.



**Description:** Manufacturing – training for vmc practical & theory and number of tool fitting in the vmc.

**Date:** 05.07.2022

**Venue:** DELTA CNC



**Description:** Manufacturing – Training for cnc turning practical & theory and machine maintenance.



**Date: 06.07.2022**

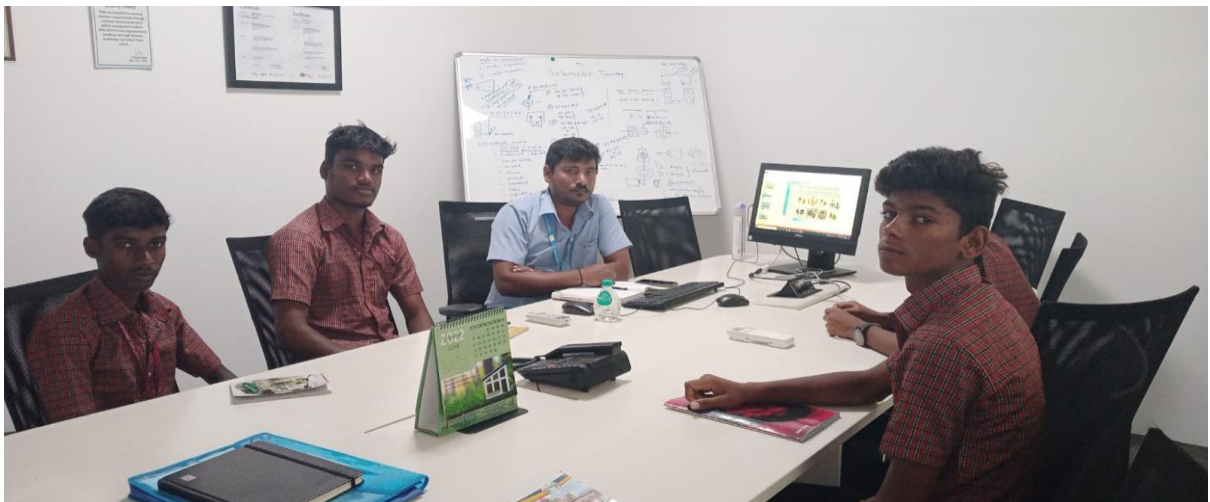
**Venue: DELTA CNC**



**Description:** Students have learned about measuring instruments with plug gauges, micrometre, Vernier and air gauges.

**Date: 07.07.2022**

**Venue: DELTA CNC**



**Description:** Introduction of GD & T and applications (geometric dimensions and tolerance), purpose of GD& T.

**Date: 08.07.2022**

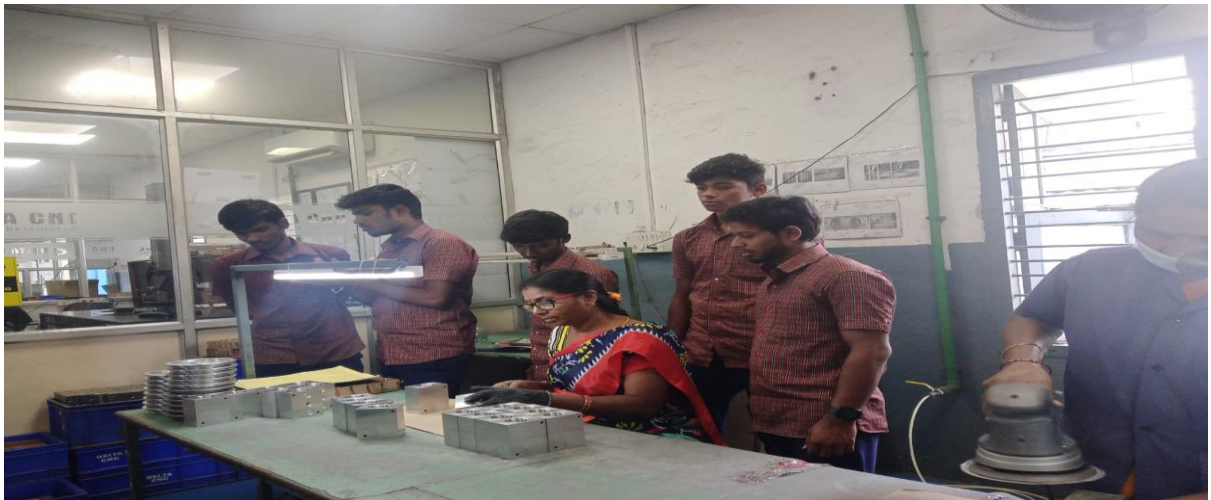
**Venue:DELTA CNC**



**Description:** Training has been given for finished jobs coating and how to coating is accepted or finished jobs.

**Date: 09.07.2022**

**Venue:DELTA CNC**



**Description:** Training has been given for de – burring & buffing (practical &theory) and how to clean the burr used instruments.



**Date: 11.07.2022**

**Venue:DELTA CNC**



**Description:** Training has been given for measuring the job with micro meter and etc name of measuring instruments in used cnc .

**Date: 12.07.2022**

**Venue:DELTA CNC**



**Description:** Training has been given for sub assembly knowledge. and 5s concept and safety steps the cnc turning.



**Date: 13.07.2022**

**Venue: DELTA CNC**



**Description:** Training has been given about cmm (co – ordinate measuring machine) which are used in the steps, purpose of cmm, benefits and applications.



**Description:** Training has been given about the introduction of manufacturing process flow (practical & theory) and how to check raw material in stores

**.Date: 15.07.2022**

**Venue:DELTA CNC**



**Description:** Students have trained about hardness tester with raw materials called incoming material and strength checking with store saved.

**Date: 16.07.2022**

**Venue:DELTA CNC**

Students have trained about the entry of the common safety rules in cmm .



## Day wise Activities

### SKM INDUSTRIES

DATE: 02.07.2022

VENUE: SKM INDUSTRIES

ACTIVITY:



#### Description:

Initially we started with wire bending machines & tube bending machines  
OD & ID thickness & length of the cnc tube bending machine in that we  
learnt about outer diameter & inner dia of the tube

Inspection done on the production type with visual & dimensional  
inspection

- 1) DENT
- 2) CRACK
- 3) LINC
- 4) MARK

WELDING PROCESS ROBO WELDING

VOLTAGE – 40 V

CURRENT – 150 A

WIRE SPEED – 4MM / SEC

**Date: 04.07.2022**

**Venue : SKM INDUSTRIES**



**Description:** Students have trained about how to work in machine.

**Date: 05.07.2022**

**Venue:.SKM INDUSTRIES**



**Description:** Quality control management.



**Date: 06.07.2022**

**Venue:.SKM INDUSTRIES**



**Description:** Watching the manufacturing methods in machines. and 5s housekeeping tools related activities



**Date: 07.07.2022**

**Venue:.SKM INDUSTRIES**



**Description:** Watching the manufacturing methods in machines.

**Date: 08.07.2022**

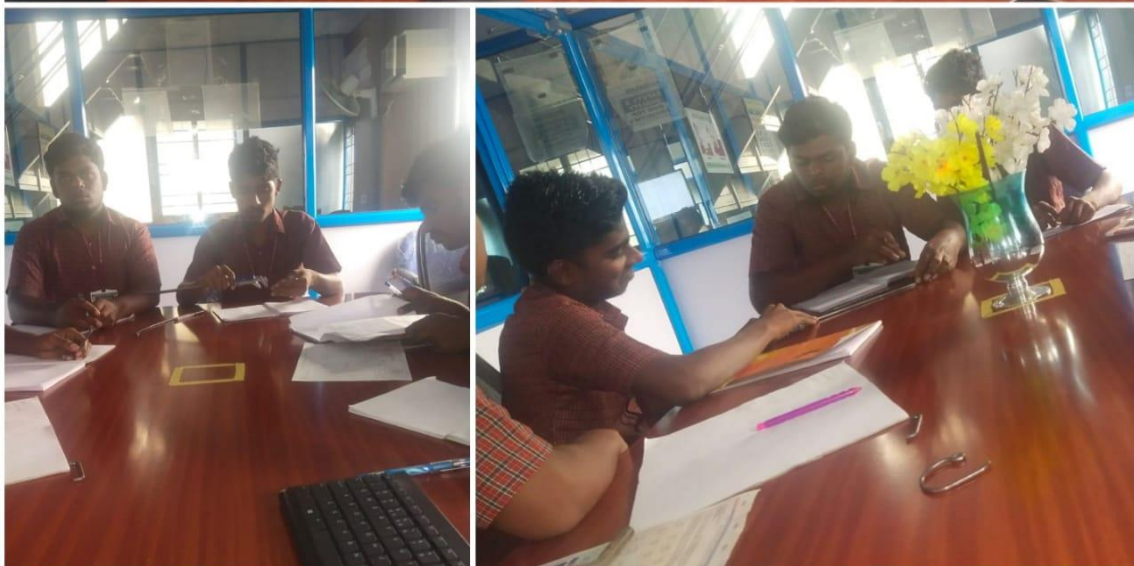
**Venue:.SKM INDUSTRIES**



**Description:** Students have trained about how to set the programs in the machine.

**Date:** 09.07.2022

**Venue:.**SKM INDUSTRIES



**Description:** Watching the manufacturing methods in machines. and 5s housekeeping tools related activities



**Date: 11.07.2022**

**Venue: SKM INDUSTRIES**



**Description:** Final quality activities



**Date:** 12.07.2022

**Venue:** SKM INDUSTRIES



**Description:** Production process

**Date: 13.07.2022**

**Venue:SKM INDUSTRIES**



**Description:** Students have trained about how to the operate cnc tube bending machine.

**Date: 14.07.2022**

**Venue:.SKM INDUSTRIES**



**Description:** students have trained about how to set cutting tool in tube bending machine.



**Description:** Students have trained about how to operate cube bending machine.



## Day wise Activities

**Date: 05.07.2022**

**Venue: KATERRA**

**Activity: .**



**Description:**

Students have trained about Safety procedure in company, production, quality, wall panel production, operator compressor, baring bay, black panel & pod

Hydraulic circuits & pneumatic symbols , joinery section , wood working process, painting door visit ,work at aluminium glazing , copper gas welding fire & safety water waste , Aluminium panel & CNC rotor fail machine V shaped welding or cutting machine, auto cad drawing .

## Venue:Katerra



**Description:** Students have trained about how to operate the milling machine working and operations.

**Date:** 06.07.2022

**Venue:** KATERRA



**Description:** Students have trained about facilities of milling centre, and working method.

**Date: 07.07.2022**

**Venue:KATERRA**



**Description:** Students have trained about how to operate the lathe purpose of lathe and applications, operations.

**Date: 08.07.2022**

**Venue:KATERRA**



**Description:** Students have trained about how to check the rod and its strength, velocity and brittleness.



**Date: 11.07.2022**

**Venue:KATERRA**



**Description:** students have trained about cnc lathe used in factors, and this machine used purpose, applications and benefits.

**Date: 12.07.2022**

**Venue:KATERRA**



**Description:** students have trained about how to operate the lathe.

Date: 13.07.2022

Venue: KATERRA



**Description:** students have trained about how to cut the plats using cuting machine.



**Description:** Students have trained about how to measure the steel plats using measuring machine.





**Description:** Students have trained about work pieces in holes and how to use drill machine.

**Date: 16.07.2022**

**Venue:KATERRA**



**Description:** students have trained about how to program to set the given dimensions.

**Date: 18.07.2022**

**Venue:.KATERRA**



**Description:** Students have trained about how to set program in machines.



**Date: 17/07/2022**

**Venue: KATERRA**

**Activity:**





# INTERNSHIP CERTIFICATE

Essae Gears and Transmissions Private Limited

Regd & Corp. Office: # 13, 13th Cross, Wilson Garden

Bangalore 560 027, Karnataka, INDIA

CIN: U36995KA2018PTC111913

GSTIN - Karnataka: 29AAFCE0019B1ZB | GSTIN - Tamil Nadu: 33AAFCE0019B1ZJ

**Essae**  
Optimized Exactitude

## TO WHOM IT MAY CONCERN

July 29th - 2022  
Hosur

This is to certify that **Mr. Ajithkumar S** (Student regn. No. in College 21290372) Diploma in Mechanical Engineering Student of **Government Polytechnic - Uthangarai** has done his internship in our Essae group company **between 1st July' 22 and 29th July' 22.**


During his tenure with us Internship trainee, he has learnt vital concepts of Industrial safety, using Instruments & measurement techniques, 5S in shop floor and key improvement activities being carried out in manufacturing process, at our Uddhara training centre and Essae Gears & Transmissions division, Hosur

During the above period, he has evinced keen interest and his conduct and character were found to be good.


We wish all the success in his future endeavors.

for Essae Chandran Institute,

Uddhara training centre,

  
PL. Kannan  
DEAN

for Essae Gears and Transmissions Pvt Ltd,

  
Shalini Gireesha  
HRD Head

essae@essae.in | www.essaegears.in

Machined Components Division | Precision Forging Division | Hub Drive Division

29.07.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. K. Sivakumar, Reg. No. 21290391 of Mechanical Engineering student from Government Polytechnic College, Uthangarai, Krishnagiri Dt. Undergone Internship training in our organization between 01.07.2022 to 29.07.2022. He was trained in our CNC Shop Floor, Process started from Purchase Order Receipt, Raw Material procurement from supplier, convert the parts through CNC Machining and to Dispatch the parts to Customer with Inspection Certificates. The Complete Process of Order Receipt and Supply to Customer. This will help him to his Entire career. We would like to wish him all the best in his future endeavors.

With Best Wishes,

Regards,

For DELTA CNC APPLICATIONS,

  
J. VISWANATHAN  
COO.



**DELTA CNC APPLICATIONS**

No.C-3, SIDCO Industrial Estate, 1<sup>st</sup> Phase, HOSUR - 635 126, Tamilnadu, India.  
Tel : +91-4344-275572, 400330 E-mail: deltacnc@hotmail.com / admin@deltacnc.in Web.: www.deltacnc.in

# INTERNSHIP

COMPLETION CERTIFICATE

This certificate is presented to

**PRAKASH D**

From Students of **Mechanical Department** of  
**Government Polytechnic College, Uthangarai** has successfully completing  
his **Internship from 1st July-22 to 29th July-22.**

He has been regular in his / her attendance during this period

We found his performance and conduct are good.

We Wish All Success

for **SKM Industries**  
  
Proprietor





Katerra India Pvt. Ltd. (Formerly known as KEF Infrastructure India Pvt. Ltd.), CIN-U70100KA2013FTC070303  
231/A, 232/4, Vinayakapuram Village, Kurubarapalli Post, Krishnagiri Taluk, Krishnagiri-635115, Krishnagiri, Tamil Nadu 635115

Web: [www.katerra.com](http://www.katerra.com)

Email Id: [johnson.thiruselvam@katerra.com](mailto:johnson.thiruselvam@katerra.com)

MST/139 GPTC  
INTERNSHIP TRAINING

Certificate No: 15

### Internship Training Certificate

This is to certify that **RAMAMOORTHY C** Reg.No **21201578**  
from **Government Polytechnic College, Uthangarai** has successfully completed the Internship  
Training on **“MACHINERY HANDLING & SERVICE”** for **25 days (01.07.2022 to**  
**29.07.2022)**. During this period, student conduct was **good and satisfactory**.

For Katerra India Pvt Ltd

  
**Johnson T**  
**Sr. Executive - HR**

# ATTENDANCE SHEET

## FORM- IV: ATTENDANCE SHEET

Name & Address of Organization

Katerra India Pvt. Ltd. 231th, 232th, Vinayakapuram Village Kurubarapalli Post, Krishnagiri-535 115. Tamil Nadu, India.
--

Name of Student	DARSHAN MOORTHY - G
Roll. No	21201538
Name of Course	MECHANICAL ENGINEERING
Date of Commencement of Trg.:	1.7.2022
Date of Completion of Training:	29.7.2022

### Initials of the student

Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

### Note:

1. Attendance Sheet should remain affixed in Daily Training Diary. Do not remove or tear it off.
2. Student should sign /initial in the attendance column. Do not mark 'P'
3. Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.

Signature of Company internship supervisor with company stamp/ seal



(Name Johnston. T) Contact No. 9500879808.

# INDUSTRY SUPERVISOR EVALUATION FORM-KATERRA

## FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF INTERN- 20 MARKS

Student name Karthick .M. (Mfcl) Date: Work  
 supervisor S. Dhanasekaran Title: Precasting, Joinery and Production  
 Company/Organization: KATERRA Internship address: 231/A, 232/4, Vinayakapuram (V)  
Kurubarapalli Post, Krishnagiri  
 Dates of Internship: From 01.07.2022 To 29.07.2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors:- 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	✓		
Performs in a dependable manner	✓		
Cooperates with co-workers and supervisors	✓		
Shows interest in work	✓		
Learns quickly	✓		
Shows initiative	✓		
Produces high quality work	✓		
Accepts responsibility		✓	
Accepts Criticism	✓		
Demonstrates organizational skills		✓	
Uses technical knowledge and expertise	✓		
Shows good judgment	✓		
Demonstrates creativity/originality	✓		
Analyzes problems effectively	✓		
Is self-reliant	✓		
Communicates well	✓		
Writes effectively	✓		
Has a professional attitude	✓		
Gives a professional appearance	✓		
Is punctual	✓		

Overall performance of student intern (circle one):

(Excellent) Excellent Good/  
Satisfactory) Additional comments, if any:

Signature of Industry supervisor S. Dhanasekaran HR Manager [Signature]  
28/7/22



**Katerra India Pvt. Ltd.**  
 231/A, 232/4, Vinayakapuram Village  
 Kurubarapalli Post, Krishnagiri-635 115  
 Tamil Nadu, India.



# INDUSTRY SUPERVISOR EVALUATION FORM-Delta CNC

## FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF INTERN- 20 MARKS

Student name: STIVAKUMAR . K Date: Work  
 supervisor: BIANEKAN . M Title: Op. A  
 Company/Organization: DELTA CNC Internship address: HOSUR  
 Dates of Internship: From 01-07-2022 To 31-07-2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors – 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	✓		
Performs in a dependable manner		✓	
Cooperates with co-workers and supervisors		✓	
Shows interest in work	✓		
Learns quickly		✓	
Shows Initiative		✓	
Produces high quality work		✓	
Accepts responsibility		✓	
Accepts Criticism		✓	
Demonstrates organizational skills		✓	
Uses technical knowledge and expertise	✓		
Shows good judgment		✓	
Demonstrates creativity/originality		✓	
Analyzes problems effectively		✓	
Is self-reliant		✓	
Communicates well		✓	
Writes effectively		✓	
Has a professional attitude		✓	
Gives a professional appearance		✓	
Is punctual	✓		

Overall performance of student intern (circle one):

(Excellent / Good

Good/

Satisfactory) Additional comments, if any:

Signature of Industry supervisor



HR Manager

13.0  
20



**FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF  
INTERN- 20 MARKS**

Student name VPKram.S Date: Work 29/07/2022  
 supervisor S. Suriya Prakash Title: Production  
 Company/Organization: EGAT.... Internship address: EGAT- MCD-Z, Hosur  
 Dates of Internship: From 01/07/2020 To 29/07/2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors – 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors			
Performs in a dependable manner			
Cooperates with co-workers and supervisors			
Shows interest in work			
Learns quickly			
Shows Initiative			
Produces high quality work			
Accepts responsibility			
Accepts Criticism			
Demonstrates organizational skills			
Uses technical knowledge and expertise			
Shows good judgment			
Demonstrates creativity/originality			
Analyzes problems effectively			
Is self-reliant			
Communicates well			
Writes effectively			
Has a professional attitude			
Gives a professional appearance			
Is punctual			


20

Overall performance of student intern (circle one):

(Excellent / Excellent / Good / Satisfactory) Additional comments, if any:

Signature of Industry supervisor [Signature]

HR Manager .....

For Essae Chandran Institute  
(Uddhara Centre)  
  
 PE Kannan  
 DEAN

**FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF  
INTERN- 20 MARKS**

Student name DHARATHAN . S Date: Work- 29-07-2022  
 supervisor VINAYAK KUMAR Title: INTERNSHIP TRAINING  
 Company/Organization: NILE SKM IND Internship address: BALAJI Nagar, Hosur  
 Dates of Internship: From 01-07-2022 To 29-07-2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors – 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	✓		
Performs in a dependable manner	✓		
Cooperates with co-workers and supervisors	✓		
Shows interest in work	✓		
Learns quickly	✓		
Shows Initiative	✓		
Produces high quality work		✓	
Accepts responsibility	✓		
Accepts Criticism	✓		
Demonstrates organizational skills		✓	
Uses technical knowledge and expertise		✓	
Shows good judgment		✓	
Demonstrates creativity/originality		✓	
Analyzes problems effectively		✓	
Is self-reliant	✓		
Communicates well		✓	
Writes effectively		✓	
Has a professional attitude		✓	
Gives a professional appearance	✓		
Is punctual	✓		

Overall performance of student intern (circle one):

(Excellent / \_\_\_\_\_ Good/ \_\_\_\_\_  
 Satisfactory) Additional comments, if any: \_\_\_\_\_  
 Signature of Industry supervisor \_\_\_\_\_ HR Manager \_\_\_\_\_





# STUDENTS DAILY DIARY

139 GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI					
STUDENT'S DAILY LOG					
KATEERA - INTERNSHIP					
Name: <u>Kaushik K</u>			DEPT - <u>Mechanical</u>		
S NO	Date	Time of Arrival	Time of Departure	Student Observations(Record Main Points)	Remark by Supervisor
1	11/07/22	9:30	5:00	safety rules and procedures	B. Srinivas
2	04/07/22	9:00	5:00	quality production and p.p cost rules	
3	05/07/22	9:00	5:00	precast slab, flooring, Aluminium and Pabo	
4	06/07/22	9:00	5:00	stress, strain and quality checking	
5	07/07/22	9:00	5:00	compressor, Transformer, single phase line	
6	08/07/22	9:00	5:00	pump, coil, column, Baroding and spot welding	
7	11/07/22	9:00	5:00	concrete mixer system, system working	
8	12/07/22	9:00	5:00	hydraulic circuit, pneumatic circuit symbols	
9	13/07/22	9:00	5:00	Joining in machine, table, Ketcher, Door	B. Srinivas



Katerra India Pvt. Ltd.  
231/A, 232/4, Vinayakapuram Village  
Kurubaropalli Post, Krishnagiri-635 115.  
Tamil Nadu, India.

NAME: CHANDRU  
 REG. NO: 2126553  
 DEPT: MECH-II  
 COURSE: CPT - Uthangarai

ESSAE gears and Transmission					
139 GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI					
STUDENT'S DAILY LOG - JULY 2022					
INTERNSHIP OBSERVATION DETAILS					
MONTH / WEEK - JULY / 01 - ESSAE Gears & Transmission Hubli					
S.NO / Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remark / Signature by Supervisor
1. Friday	01/07/2022	9:00 AM	5:00 PM	* In production about the company * gear building machine	Good Signature
2. Saturday	02/07/2022	9:00 AM	5:00 PM	* Product Gearing cycle * cost local gear, bearing and related working tools	Good Signature
3. Monday	04/07/2022	9:00 AM	5:00 PM	* machining process * shooting process, subassembly * machining instrument	Good Signature
4. Tuesday	05/07/2022	9:00 AM	5:00 PM	* fixing gauge, limit gauge * plug gauge etc * gear testing system	Good Signature
5. Wednesday	06/07/2022	9:00 AM	5:00 PM	* ES awareness * SAFETY * 3rd year factory accident	Good Signature



Dhinesh Kumar. C  
Mechanical

139 GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI					
SKM STUDENT'S DAILY LOG					
INTERNSHIP					
Week - July/2022					
S.NO	Date	Time of Arrival	Time of Departure	Student Observations(Record Main Points)	Remark by Supervisor
1	1-7-2022	9:00 Am	5:00pm	Introduction & observation of all safety and machines, welding process materials.	part visit
2	2-7-2022	9:00 Am	5:00pm	observation of welding department in all welding process and list name its uses.	
3	4-7-2022	9:00 Am	5:10pm	welding parts name and it company name and observation of the welding process, furnace.	Need to write your own observing
4	5-7-2022	9:00 Am	5:10pm	Gas welding & materials and cylinders, weight & process time materials, and quality process, incoming inspection, SS process.	Need to improve the assigned work.
5	6-7-2022	9:00 Am	5:00 pm	Welding products Assemble parts SKM production and process Part, welding current, roll, surface level.	





139 GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI					
STUDENT'S DAILY LOG					
DELTA CNC APPLICATIONS - INTERNSHIP					
Week -					
S.NO	Date	Time of Arrival	Time of Departure	Student Observations(Record Main Points)	Remark by Supervisor
1	01/07/2022	9.30 AM	4.30 PM	About the delta cnc application.	<i>[Signature]</i>
2	02/07/2022	9.30 AM	4.30 PM	General safety - HR.	<i>[Signature]</i>
3	← SUN DAY →				
4	04/07/2022	9.30 AM	4.30 PM	Factory Instrustreane visit - (All Dept).	<i>[Signature]</i>
5	05/07/2022	9.30 AM	4.30 PM	Introduction for company profile.	<i>[Signature]</i>
6	06/07/2022	9.30 AM	4.30 PM	Training for Engineering Drawing - (Basic reading)	<i>[Signature]</i>
7	07/07/2022	9.30 AM	4.30 PM	Introduction CAD & T and applications.	<i>[Signature]</i>
8	08/07/2022	9.30 AM	4.30 PM	Introduction of Qms (Basic)	<i>[Signature]</i>
9	09/07/2022	9.30 AM	4.30 PM	Introduction of manufacturing (cnc/vmc) process	<i>[Signature]</i>
10	← SUN DAY →				
11	11/07/2022	9.30 AM	4.30 PM	manufacturing - for vmc practical of Theory	<i>[Signature]</i>
12	12/07/2022	9.30 AM	4.30 PM	Introduction of machine maintenance (theory class)	<i>[Signature]</i>
13	13/07/2022	9.30 AM	4.30 PM	Introduction of machine maintenance (theory class)	<i>[Signature]</i>
14	14/07/2022	9.30 AM	4.30 PM	Introduction mfg process flow (Theory class)	<i>[Signature]</i>
15	15/07/2022	9.30 AM	4.30 PM	Introduction mfg process flow (Theory class)	<i>[Signature]</i>
16	16/07/2022	9.30 AM	4.30 PM	Introduction of Incoming inspection.	<i>[Signature]</i>
17	← SUN DAY →				

139 GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI					
STUDENT'S DAILY LOG					
KATEERA - INTERSHIP					
Name: <u>Kaushik K</u>			DEPT - <u>Mechanical</u>		
S.NO	Date	Time of Arrival	Time of Departure	Student Observations(Record Main Points)	Remark by Supervisor
1	11/07/22	9:30	5:00	safety rules and procedures	
2	04/07/22	9:00	5:00	quality production and pre cost rules	
3	05/07/22	9:00	5:00	Pre cost adap, jhony, Aluminium and Pabo	
4	06/07/22	9:00	5:00	stress, strain and quality checking	
5	07/07/22	9:00	5:00	compressor, Transformer, single phase line	
6	08/07/22	9:00	5:00	pump, coil, column, bearings and spot welding	
7	11/07/22	9:00	5:00	compressor mixed system, system working	
8	12/07/22	9:00	5:00	hydraulic circuit, pneumatic circuit symbols	
9	13/07/22	9:00	5:00	Joining in machine, table, Kitchen, Door	



**Katerra India Pvt. Ltd.**  
 231/A, 232/A, Vinayakapuram Village  
 Kurubarapalli Post, Krishnagiri-635 115.  
 Tamil Nadu, India.

NAME: CHANDRU

Reg. No: 212525

SECT: MECH-II

College: CPT - Uthangarai

ESSAE gears and Transmission

139 GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI

STUDENT'S DAILY LOG - JULY 2022

INTERNSHIP OBSERVATION DETAILS

MONTH / WEEK - JULY / 01 - ESSAE Gears & Transmission House








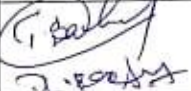
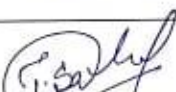
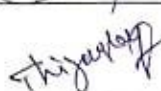

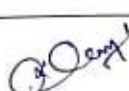
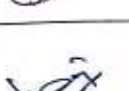
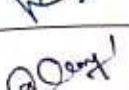
S.NO / Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remark/ Signature by Supervisor
1. Friday	01/07/2022	9:00 AM	5:00 PM	* In introduction about the company * Train building construction	Good Signature
2. Saturday	02/07/2022	9:00 AM	5:00 PM	* Product Question cycle * Cost, local distribution and market working process	Good Signature
3. Monday	04/07/2022	9:00 AM	5:00 PM	* Machining process * Shaping process, Abrasive machining * Measuring instrument	Good Signature
4. Tuesday	05/07/2022	9:00 AM	5:00 PM	* Fitting gauge, limit gauge * Plug gauge etc * Heat treating system	Good Signature
5. Wednesday	06/07/2022	9:00 AM	5:00 PM	* ES awareness * SAFETY * Safety factor of material	Good Signature



Dhinesh Kumar . C  
Mechanical

139 GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI					
SKM STUDENT'S DAILY LOG					
INTERNSHIP					
Week - July 4/2022					
S.NO	Date	Time of Arrival	Time of Departure	Student Observations(Record Main Points)	Remark by Supervisor
1	1-7-2022	9:00 Am	5:00pm	Introduction & observation of all duty and machines, welding - process materials	Plant visit
2	2-7-2022	9:00 Am	5:00pm	observation of welding department in all welding process and list name its uses.	
3	4-7-2022	9:00 Am	5:10pm	welding parts name and it Company name and observation of the welding process, list name.	Need to write your own observing
4	5-7-2022	9:00 Am	5:10pm	Gas welding & materials and cylinders. weight & process time materials. and quality process, incoming inspection, SS process	Need to improve the Assignment work.
5	6-7-2022	9:00 Am	5:00 pm	Welding products Assemble parts SKM production and process Part; welding current, volt, gas flow level.	



139 GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI					
STUDENT'S DAILY LOG					
DELTA CNC APPLICATIONS - INTERNSHIP					
Week -					
S.NO	Date	Time of Arrival	Time of Departure	Student Observations(Record Main Points)	Remark by Supervisor
1	01/07/2022	9.30 AM	4.30 PM	About the delta cnc application.	
2	02/07/2022	9.30 AM	4.30 PM	General safety - H.R.	
3	SUN DAY				
4	04/07/2022	9.30 AM	4.30 PM	Factory Instrustreane visit - (all dept).	
5	05/07/2022	9.30 AM	4.30 PM	Introduction for company profile.	
6	06/07/2022	9.30 AM	4.30 PM	Training for Engineering Drawing - (Basic reading)	
7	07/07/2022	9.30 AM	4.30 PM	Introduction CAD & T and applications.	
8	08/07/2022	9.30 AM	4.30 PM	Introduction of Qms (Basic)	
9	09/07/2022	9.30 AM	4.30 PM	Introduction of manufacturing (cnc/vmc) process	
10	SUN DAY				
11	11/07/2022	9.30 AM	4.30 PM	manufacturing - for vmc practical of theory	
12	12/07/2022	9.30 AM	4.30 PM	Introduction of machine maintenance (theory class)	
13	13/07/2022	9.30 AM	4.30 PM	Introduction of machine maintenance (theory class)	
14	14/07/2022	9.30 AM	4.30 PM	Introduction mfg process flow (Theory class)	
15	15/07/2022	9.30 AM	4.30 PM	Introduction mfg process flow (Theory class)	
16	16/07/2022	9.30 AM	4.30 PM	Introduction of Incoming inspection.	
17	SUN DAY				

**DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING**

**TANGEDCO  
HI-REL TECH PVT LTDS  
KATERRA INDUSTRIAL PARK PVT LTD, HOSUR  
&  
DNR ELECTRICALS**



**TRANING PROGRAM SCHEDULED AT GURUBARAPALLY 230  
KVSS**

**(06.07.2022 TO 30.07.2022)**



**LIST OF STUDENTS MAPPED WITH TANGEDCO**

S.NO	REG NO	NAME
1	21301367	KALAIYARASAN.V
2	21301383	PRASANNATH.M.D
3	21390332	JAYAN PRASANTH R
4	21390329	GOWTHAM C
5	21390337	PRATHIP.S

**TAMILNADU TRANSMISSION CORPORATION LIMITED**

**GENERALCONSTRUCTIONCIRCLE SALAM**

**ESTABLISHEDIN : 17.04.2015**

**STATION NAME : GURUBARAPALLY-230/110/33-11KVSS**

**CAPACITY : 230/110/33/11-KV SSNO OF SS**

**CONNECTING**

**NO OF OUTPUT FEEDER : 10**

**Email : eeokpally@tnebnet.org**

**CONTACT:**

**GURUBARAPALLI 230KV SS,GURUBARAPALLI (Tk&Po),  
KRISHNAGIRI(D.T) - 635122, TAMIL NADU.**

**INTRODUCTION ABOUT EDUCATING SUPERVISOR**

## **Introduction about TNEB organization and Gurubarapally 230/110/33-11KV substation**

- Explained about single line diagram, yard visit and office room
- Staff introduction



**Staff Name:**

1. Er.C.Kavitha,B.E . . . Executive Engineer/operation
2. Er.M.Ilango,ME.,MIE  
Assistant Executive  
Engineer
3. Er.M.Manonmani,M.E.,MBA Assistant Engineer
4. Er.T.Karpagavalli,DEEEJunior Engineer



## Introduction about TNEB organization and Gurubarapally 230 kv substation

- Title explanation about 230/110/33-11kv
- Input-230kv output-110/33-11kv
- Visit battery room and relay room and SOS room
- Introduction of TNEB staffs



Fig (2)

DAY: 02 (7-7-2022)

## Study of single line diagram with yard visit

- Detailed explanation of single line diagram and its input and output and symbols explain
- Explanation about yard line connection
- Explanation about palavadi, shoolagiri ,singarapet 230kv input feeders
- And drawing of single line diagram



Fig (3)

DAY: 03 (8-7-2022)

Discussion about transmission lines and various equipments

- Available at gurubarapally 230KVSS
- Visit and explanation about
- CVT
- Lightning Arrester
- AB Air Switch
- Bus Bar
- Current transformer and Potential Transformer Detailed expiation of above parts

DAY: 04 (9-7-2022)

Brief discussion about voltage,current,power, energy and Entire 230KV yard visit

Detailed explanation about three feeders Thre feeders are,

- ✓ 230KVPalavadi
- ✓ 230KVShoolagiri
- ✓ 230 KVSingarapet



Discussion of voltage, current, power and energy with example and double bus bar system briefly explained

Fig (4)

DAY: 05 (10-7-2022)

Discussion about working principle of Circuit breakers, current transformers, potential transformers with yard visit

- Explanation about circuit breakers and its types and its working
- Maintenance of input 230KV shoolagiri and output of 110KV hosur feeder
- Observation of maintenance working



**Fig (5)**

DAY: 06 (11-7-2022)

Study of auto transformer/power transformer with yard visit

Explanation about auto transformer and its working and its parts

Autotransformer parts

- Conservator
- Breather
- Cooling system
- Core
- On load tap changer
- Bush relay

Checking temperature of oil and alarm system Explanation about working of auto transformer





Fig (6)



Fig (7)

DAY: 07 (12-7-2022)

Entire 230kv side yard visit with Brief discussion about all the equipments available at 230kv side yard

Detailed explanation about three feeders' three feeders

- 230KVPalavadi
- 230KVShoolagiri
- 230KVSingarapet

Explained Double busbar system Bus coupler and CT, PT, auto transformer



Fig (8)

DAY:08 (13-7-2022)

Entire 110KV side yard visit and discussion about the equipments Available at 110KV side yard

- Visited the 110KV side yard and phase connections CT, PT, bus coupler and output feeders. Explanation about 110KV line power transformer ,current transformer working principle and parts

***Discussion about 110KV Output feeders***

- karimangalam110KVfeeder
- Hosur110KVfeeder
  - krishnagiri110KVfeeder



Fig(9)



Fig(10)

DAY:09 (14-7-2022)

Study of 230KV & 110KV SF6 breaker mechanisms and maintenance Works carried out in various equipments during shutdown in 230KV Feeder, 110KV feeder & auto transformers

- Explanation about circuit breakers and its types and its working
- Maintenance of input 230KV palavadi feeder and 110KV bagalur feeder
- Observation of maintenance working
- Observation and maintenance about auto transformer2
- Brief discussion and cleaning parts of the autotransformer2



Fig (11)



Fig (12)

DAY: 10 (15-7-2022)

110/33-11KV side yard visit

Brief explanation about 33-11KV side feeders

- \*33KV KE Ffeeder
- \*33KV Chinnalothur feeder
- \*33KV Alapatty feeder



Explanation about 33KV power transformers and CT and PT and circuit breaker , bus bar,bus coupler,Lightening arrester and working principle



Fig (13)

DAY:11 (16-7-2022)

Discussion about various equipments available at 110/33-11KV Side and power transformer

### **Working principle with yard visit**

- Brief explanation about 33-11KV side feeders
- 11KV side feeders
- 11KV Kakkannapuram
- 11KV Kuppachipparai
- 11KV Industrial
- 11KV Pollupalli

Explanation about 33KV power transformers and CT and PT and circuit breaker , bus bar,bus coupler,Lightening arrester and working principle

### **Transformer working principle**

Students have learned about how the transformer works based on the principle of **Faraday's law of electromagnetic induction and mutual induction**. There are usually two coils primary coil and secondary coil on the transformer core. The core laminations are joined in the form of strips.



Fig (14)



Fig (15)

DAY: 12 (17-7-2022)

Brief study about batteries and importance of batteries at Gurubarapalli 230KV

- Batteries are the main heart of the substation
- Explanation about charging types and chargers and connections Battery sets
- \*48VBATTERYSET
- \*110VBATTERYSET
- \*220VBATTERY2SETS
- Briefly explained about battery maintenance and there equipment And students are trained how to check the battery voltage using milli volt meter



Fig (16)



DAY:13 (18-7-2022)

Observe of maintenance activities to be carried out during shutdown in 230KV, 110KV feeders & auto transformers

- Explanation about circuit breakers and its types and its working
- Maintenance of input 230KV singarapet feeder and krishnagiri 110KV feeder
- Andkarimangalam 110KV feeder Observation of maintenance working
- Observation and maintenance about auto transformer 3 Brief discussion and cleaning parts of the auto transformer 3



Fig (17)

DAY:14 (19-7-2022)

**Brief study about importance of relays and various relays available at Gurubarapally 230KVSS**

Studied about the various types of relays There are:

- Thermal Relays
- Differential Relays
- Distance relays
- Frequency Relays

Visited the relay rooms and various types of panels. There are 33 panels in relay room

Importance of relays and learned about how to check faults



Fig (18)

DAY:15 (20-7-2022)

Discussion about importance of earth ling and various tests carried out In SS equipments during maintenance activities

- Discussion about the earth mat of the substation
- India's earth ling rules and earth ling types (plate type& pipe type)
- Learning about earth rod materials ear thing advantage
- When maintenance earth test and common earth test and mugger test has been

conducted



Fig (19)

DAY:16 (21-7-2022)

Observation of maintenance activities 110/33-11KV gurubarapally Substation

- Explanation about circuit breakers and its types and its working
- Maintenance of input and 33-11KV Observation of maintenance working
- Observation and maintenance about power transformers
- Brief discussion and cleaning parts of the all power transformers



Fig (20)



Fig (21)

- And also learned about how to check mugger and we checked



DAY:17 (22-7-2022)

### Discussion about SAS operation

- Learned about control room and SAS room
- Two tripping faults has been solved
- And they learned about how to operate the system to solve the faults
- And also they learned about optic fiber cables
- Then they learned how to record all the tripping faults
- And they learned how to watch system data in KVA, MVA



Fig (22)

DAY:18 (23-7-2022)

### Study and visit of 10MW solar plant installed at Gurubarapally Substation

- Visited the solar panel system
- Learned the various types of solar plants and types of solar panel connections
- Explanation about working principle operation and their parts
- And also visited the solar panel controller and its settings
- Solar panel advantages and disadvantages



Fig (23)

DAY:19 (24-7-2022)

Overall view and discussion about various substations operations & Maintenance

- Visited the whole entire yard and we are all explain about substation
- And also students visited and learned about battery room and relay room
- And also they have watched all the equipment of the yard
- Then also they learned about station distribution transformer
- We learned about single and three phase AC systems

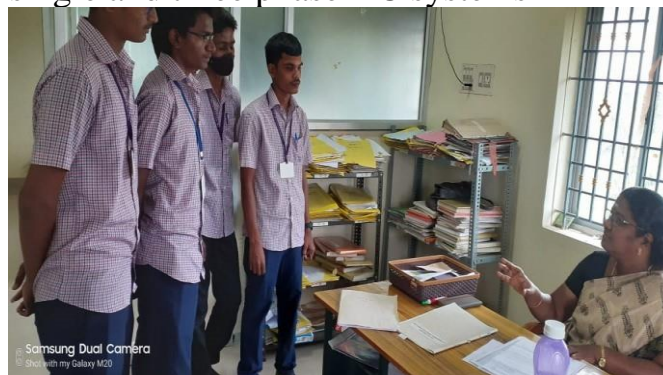


Fig (24)

DAY: 20 (25-7-2022)

Clearing doubts and question – answer at the end of the session

- Cleared their doubts about AC,DC currents
- And three phase and single phase connections
- Battery series charging and why they are not in parallel
- And autotransformer parallel connection
- And also cleared their doubts about relay and control room

DAY:21 (26-7-2022)

Autotransformer and its working principle

- Autotransformer is a transformer which is used to step down the electric current without changing in its frequency
- An autotransformer is an electrical transformer with only one winding. The “auto” (Greek for “self”) prefix refers to the single coil acting alone, not to any kind of automatic mechanism. In an auto transformer, portions of the same winding act as both the primary winding and secondary winding sides of the transformer. In contrast, an ordinary transformer has separate primary and secondary windings which have no metallic conducting path between them
- Disadvantage of not providing electrical isolation between primary and secondary circuits. Other advantages of autotransformers include lower leakage reactance, lower losses, lower excitation current, and increased VA rating for a given size and mass.[1]



DAY:22 (27-7-2022)

### Power transformer and its working principle

- Power transformer is a transformer which is used to step down the electric current without changing in its frequency
- At a very high voltage, the power cannot be distributed to the consumer directly because they need smaller voltage, so the power is stepped down to the desired level with the help of a step-down power transformer. The transformer is not loaded fully; hence the core loss occurs for the whole day, but the copper loss is based on the load cycle of the distribution network
- Suppose the power transformer is connected to the transmission network. In that case, the load fluctuation will be significantly less as it is not connected at the consumer end directly. Still, if connected to the distribution network, there will be fluctuations in the load.

DAY: 23 (28-7-2022)

### explanation about Distribution transformer and its working principle

- Distribution transformer is a transformer which is used to step down the low electric current without changing in its frequency.
- A distribution transformer, also known as a consumption transformer, is responsible for switching from a low medium voltage source to the voltage used for home appliances and industrial equipment.
- Distribution transformers are intended to reduce the voltage for distribution for users or commercial use. This machine has good voltage regulation and can operate 24 hours a day with maximum efficiency at 50% load.

DAY: 24 (29-7-2022)

Transformer parts briefly explanation with diagram

- Conservator
- Breather
- Cooling system
- Core
- On load tap changer
- Bushings relay

### 1. Conservator:

- Transformer oil is most often based on mineral oil, but alternative formulations with different engineering or environmental properties are growing in popularity.
- The conservator is an airtight metallic cylindrical drum fitted above the transformer that conserves the transformer oil. It is vented at the top and is filled only half with the oil to allow expansion and contraction during temperature variations. However the maintank of the transformer with which the conservator is connected is completely filled with the oil through a pipeline.

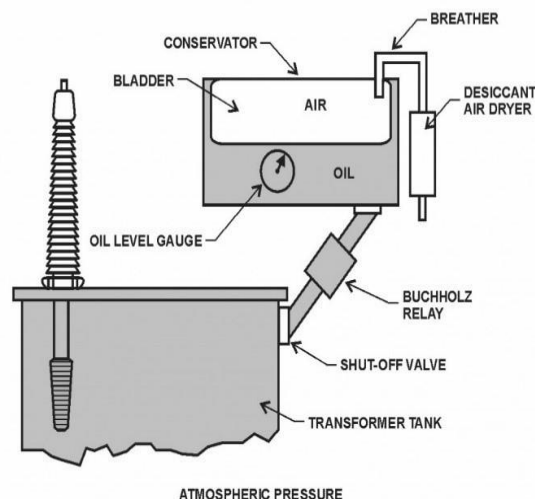


Fig (25)

DAY:25 (30-7-2022)

Explanation about types of conductors



Fig (26)

### Conductor Materials

Copper was the preferred material for overhead conductors in earlier days, but, aluminium has replaced copper because of the much lower cost and lighter weight of the aluminium conductor compared with a copper conductor of the same resistance. Following are some materials that are considered to be good conductors.




## CONCLUSION:

- Students learnt about generation, transmission and distribution of transformer
- I learnt CT, PT, CB, ARC SWITCHES, feeders, types of transformer
- Many types of relays and its functions.
- Learnt shutdown maintenance and Procedures.

# INTERNSHIP WORK DOCUMENTATION

## Certificate



**CONNECTING WITH CONFIDENCE**


**INTERNSHIP ATTENDANCE CERTIFICATE**

This is to certify that Mr. Prathip. S student of Government Polytechnic College, Uthangarai has successfully completed the Internship Training at Gurubarpally 230/110/33-11KV Sub Station from 06.07.2022 to 30.07.2022. During this period, his conduct was Good and Satisfactory.

We wish him Every Success in his life and Career.

Station : Gurubarpally

Date : 30.07.2022



**Executive Engineer**  
**Operation/230KVSC**  
**KURUBARAPALLY**  
**Krishnagiri Dt**

## Individual attendance

### FORM-IV: ATTENDANCE SHEET

Name & Address of Organization  
GURUBARAPALLY 230/110/33-11 KV SUB STATION,  
GUNNANDUR ROAD, BILLANAKUPPAM (PO),  
KRISHNAGIRI (Dt) - 635115

Name of Student	PRATHIP. S
Roll No	REG-NO 21390337
Name of Course	ELECTRICAL AND ELECTRONICS ENGINEERING (EEE)
Date of Commencement of Trg.	06-07-2022
Date of Completion of Training	30-07-2022

Initials of the student

Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
July 2022																															

#### Note:

- Attendance Sheet should remain affixed in Daily Training Diary. Do not remove or tear it off.
- Student should sign/initial in the attendance column. Do not mark 'P'
- Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.

Signature of Company internship supervisor with company stamp/  
 seal

  
**Executive Engineer**  
**Operation/230KVSC**  
**KURUBARAPALLY**  
**Krishnagiri Dt**

(Name Mr. C. KAVITHA, B.E.,) Contact No. 9445982408

## Evaluation certificate

## Daily log : week1

FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF  
INTERN- 20 MARKS

Student name PRATHIP. S Reg. No: 21390337  
supervisor En. C. KANITHA, B.E. Title: OPERATION AND MAINTENANCE OF SUB STATIONS  
Company/Organization: TANTENGO Internship address: 230/11635-11KV SUB STATION KURUBARAPALLY  
Dates of Internship: From 06.07.2022 To 30.07.2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors - 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	✓		
Performs in a dependable manner	✓		
Cooperates with co-workers and supervisors	✓		
Shows interest in work	✓		
Learns quickly	✓		
Shows Initiative	✓		
Produces high quality work	-	✓	
Accepts responsibility	✓		
Accepts Criticism	✓		
Demonstrates organizational skills	✓		
Uses technical knowledge and expertise	✓		
Shows good judgment	✓		
Demonstrates creativity/originality	✓		
Analyzes problems effectively	✓		
Is self-reliant	-	✓	
Communicates well	✓		
Writes effectively	✓		
Has a professional attitude	✓		
Gives a professional appearance	✓		
Is punctual	✓		

Overall performance of student intern (circle one):

(Excellent/ EXCELLENT Good/

Satisfactory) Additional comments, if any:

Signature of Industry supervisor \_\_\_\_\_ JIR Manager \_\_\_\_\_

**Executive Engineer**  
**Operation/230KVS**  
**KURUBARAPALLY**  
**Krishnagiri DA**

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENTS DAILY DIARY / DAILY LOG

Week -

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
1	06/07/2022	9.00	5.00	Substation and yard explain single line diagram The guwara stopalli sub station	student observed v. good
2	07/07/2022	9.00	5.00	Explain the feeder and single line diagram of first Post explain.	Single line diagram as sketched clearly v. good.
3	08/07/2022	9.00	5.00	Bus Bar and auto transformer connection explain	Auto transformer, 110/230V bus sketched through field visit v. good.
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

Seal & Signature of Industry Supervisor

**Executive Engineer**  
**Operation/230KVS**  
**KURUBARAPALLY**  
**Krishnagiri DA**



**FORMAL VII STUDENT FEEDBACK OF INTERNSHIP (TO BE FILLED BY STUDENTS AFTER INTERNSHIP COMPLETION)**

Student name: S. PRATHIP Date: 30.07.2022  
 Industrial Supervisor: EX. CHAVIYAR Title: Operation and maintenance of substation  
 Supervisor Email: chaviyar@tamilnadu.gov.in Internship is: Yes Paid: Unpaid  
 Address of Internship Provider/Industry/Organization: TAMILNADU S.C.A.  
 Faculty Supervisor: S. CHIVAZH Department: EEE Dates of Internship: From 21.12.21 To 30.07.2022  
 \*\*\*Please fill out the above in full detail\*\*\*

Give a brief description of your internship work (title and tasks for which you were responsible):

Was your Internship experience related to your major area of study? Yes, to a large degree Yes, to a slight degree No, not related at all indicate the degree to which you agree or disagree with the following statements.

This experience has:	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Given me the opportunity to explore a career field	<input checked="" type="checkbox"/>				
Allowed me to apply classroom theory to practice	<input checked="" type="checkbox"/>				
Helped me develop my decision-making and problem-solving skills	<input checked="" type="checkbox"/>				
Expanded my knowledge about the work world prior to permanent employment	<input checked="" type="checkbox"/>				
Helped me develop my written and oral communication skills	<input checked="" type="checkbox"/>				
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate decision-making and action)	<input checked="" type="checkbox"/>				
Expanded my sensitivity to the ethical implications of the work involved	<input checked="" type="checkbox"/>				
Made it possible for me to be more confident in new situations	<input checked="" type="checkbox"/>				
Given me a chance to improve my interpersonal skills	<input checked="" type="checkbox"/>				
Helped me learn to handle responsibility and use my time wisely	<input checked="" type="checkbox"/>				

Helped me discover new aspects of myself that I didn't know existed before	<input checked="" type="checkbox"/>				
Helped me develop new interests and abilities	<input checked="" type="checkbox"/>				
Helped me clarify my career goals	<input checked="" type="checkbox"/>				
Provided me with contacts which may lead to future employment	<input checked="" type="checkbox"/>				
Allowed me to acquire information and/or use equipment not available at my Institute	<input checked="" type="checkbox"/>				

In the Institute Internship program, faculty members are expected to be mentors for students. Do you feel that your faculty coordinator served such a function? Why or why not?

Yes  
 How well were you able to accomplish the initial goals, tasks and new skills that were set down in your learning contract? In what ways were you able to take a new direction or expand beyond your contract? Why were some goals not accomplished adequately?

We learn SFB Breaker  
 In what areas did you most develop and improve?

Yes  
 What has been the most significant accomplishment or satisfying moment of your internship? What did you dislike about the internship?

Handyfull, There is no dislike  
 Considering your overall experience, how would you rate this internship? (Circle one). (Satisfactory/ Good/Excellent)

Give suggestions as to how your internship experience could have been improved. (Could you have handled added responsibility? Would you have liked more discussions with your professor concerning your internship? Was closer supervision needed? Was more of an orientation required?)

S. Prathip  
(S. Prathip)  
 Student Signature

S. Chivazh  
 Faculty Supervisor

Dr. S. Chivazh  
 The Head Of the Department EEE  
 HEAD OF THE DEPARTMENT  
 Electrical and Electronics Engineer  
 Government Polytechnic College  
 Uthangarai, Krishnagiri (Dt)

# Daily Diary

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENTS DAILY DIARY / DAILY LOG

S. Singh  
DEEE

Week -

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
1	15/07/2022	9.00	5.00	Discussion about in earthing	Discussed about the importance of Earthing in stations and Earthing systems and Earthing methods.
2	16/07/2022	9.00	5.00	Maintenance work of 110/33-11KV shut down	Various Maintenance works discussed during shutdown in 110/33-11 KV SS.
3	17/07/2022	9.00	5.00	Study and visit of 10KV solar plant	Discussed in detail about importance of SAS (Substation Automation System) and its operation.
4	18/07/2022	9.00	5.00	Discussion about SAS operation	Studied about 10KV solar plant generation and its utilization in station.
5	19/07/2022	9.00	5.00	Discussion about various sub station operation & maintenance	Discussed in detail about operation and maintenance activities in various sub stations connected to GPRSS.
6	20/07/2022	9.00	5.00	Clearing doubts and Question.	Discussed about overall view and formation of GPRSS and cleared doubts and answered for various questions raised by the student.

Seal & Signature of Industry Supervisor

*[Signature]*  
20/7/22  
Executive Engineer  
Operation/230KVS  
KURUBARAPALLI  
Krishnagiri Dt

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENTS DAILY DIARY / DAILY LOG

S. Praship  
DEEE

Week -

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
1	18/07/2022	9.00	5.00	33-11KV yard visit and Brief study.	Learned in detail about the various equipment details and its operation through 33/11 KV yard visit.
2	19/07/2022	9.00	5.00	110KV side power transformer working principle explain	Learned more about the difference of sub and Rego transformer and its working principle through field visit.
3	20/07/2022	9.00	5.00	Battery working principle and maintenance work explain	Learned about the importance of Batteries in sub stations and its applications in detail.
4	21/07/2022	9.00	5.00	Shut down in 230KV feeder 110KV feeder, auto trans former III maintenance	Learned more in detail about maintenance activities and learned how to find IR value using Megger.
5	22/07/2022	9.00	5.00	Brief study about importance of relays and types of relays	Learned about various types of Relays and its function through field visit.
-	-	-	-	-	-

Seal & Signature of Industry Supervisor

*[Signature]*  
22/7/22  
Executive Engineer  
Operation/230KVS  
KURUBARAPALLI  
Krishnagiri Dt

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

DEEE

STUDENTS DAILY DIARY / DAILY LOG

Week -

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
1)	11.07.2022	9.00	5.00	auto transformer parts and working principle explain	Shown more interest in learning about Auto Transformer Working Principle
2)	12.07.2022	9.00	5.00	maintenance work of substation.	observed maintenance works in SS
3)	13.07.2022	9.00	5.00	110 KV Power transformer parts explain.	Power Transformer various parts & working principle observed & learned
4)	14/07/2022	9.00	5.00	Auto transformer Briefing session about all the equipment at 230KV feeder.	Shown more interest in learning various 230KV Equipments at SS
5)	15/07/2022	9.00	5.00	Entire 110 KV side yard visit and discussion about the equipments.	Entire 110/33 KV side yard visited and learnt.
6)	16/07/22	9.00	5.00	Shutdown in 230KV feeder 110KV feeder Auto Transformer maintenance.	Maintenance works observed in SS.

Seal & Signature of Industry Supervisor

  
 Executive Engineer  
 Operation/230KVSS  
 KURUBARAPALLI  
 Krishnagiri Dt



## HI-REL TECH PVT LTDs



## **HI -REL TECH, HOSUR**

SPM (Special Purpose Machinery) for the export requirements. The facility is equipped to provide a fully automated reports and documentations of MIL/Aerospace standards.

### **LIST OF STUDENTS MAPPED HI -REL TECH FOR INTERNSHIP**

<b>S.NO</b>	<b>REG NO</b>	<b>NAME</b>
1	21301359	ARUN A
2	21301389	RANJITH KUMAR S
3	21390334	NAVEEN RAJ T
4	21301386	RAGUL G
5	21301399	TAMILAMUDHAN G
6	21390333	KUMARESH M
7	21390339	SARVAN A

**Day 1: [01.07.2022]**

## **INTRODUCTION**

- On that day our students visiting the HI-REL TECH company UNIT 1&2.
- The company supervisor explained about their company to our students.
- They explained about the company rules and regulations to our students.
- They explained about the ESD (ELECTRO STATIC DISCHARGE) protection and static energy to the students.
- Students observed the process of the whole company work and the working of machines.





**Day 2: [02. 07.2022]**

## **OBSERVING THE THT DEPARTMENT**

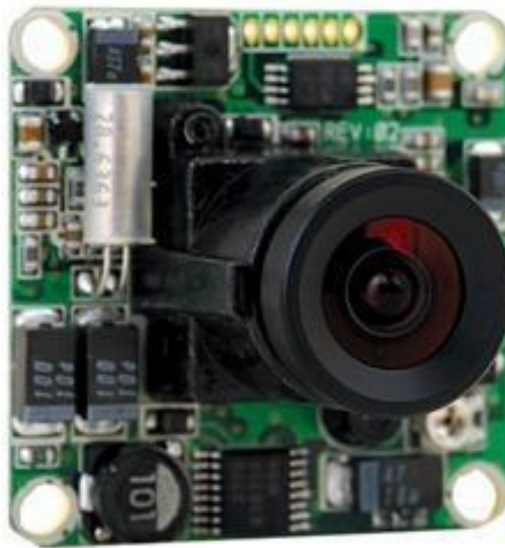


- They explained the process of THT department and then first process of forming the components to the working stations to the students.
- They explained the leaded and non-leaded soldering iron .
- They explained how to handle the components and soldering equipment handle and care to them.
- They explained the correct method of soldering to them.

**Day 3: [04.07.2022]**

### **FISCAL CAMERA**

- They explained how to fix the fiscal camera on the PCB board to them.
- They explained how to add the cooling pad for the PCB board to them.
- They explained the connections of the fiscal camera and connectivity of the components to them.



**Day 4: [05.07.2022]**

### **OBSERVE THE SOLDERING**

- They explained that the Soldering is a process in which two or more metal items are joined together by melting and flowing a filler metal like lead solder into the joint.
- Students learned about the five types to solder the components on the PCB boards.
- Company supervisors taught about the flux content will be loss during the soldering the components.

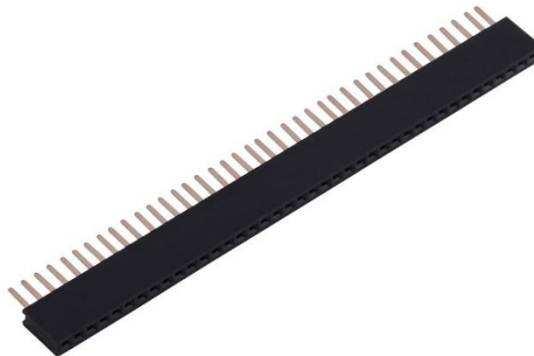


- Soldering is very simple.

**Day5: [06.07.2022]**

### **CUTTING OF FEMALE BERG STICKS**

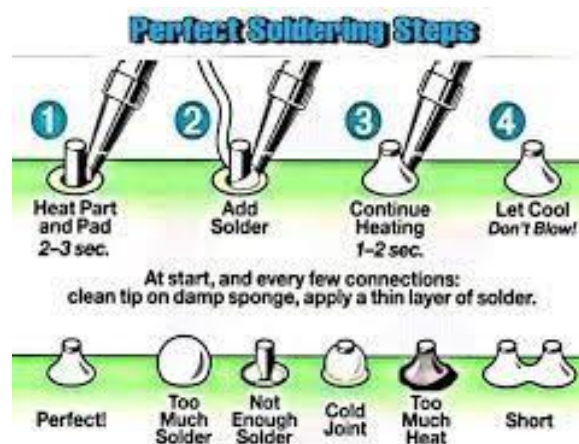
- Our students learned that how to cut the female berg sticks in the correct method.
- They explained that there are different types of connectors in the EMS field.
- There are different point size for the connectors to the berg sticks.
- Our students practice to cut the connectors on that day.





**Day 6: [07.07.2022]**

### **PRACTICE TO SOLDER**

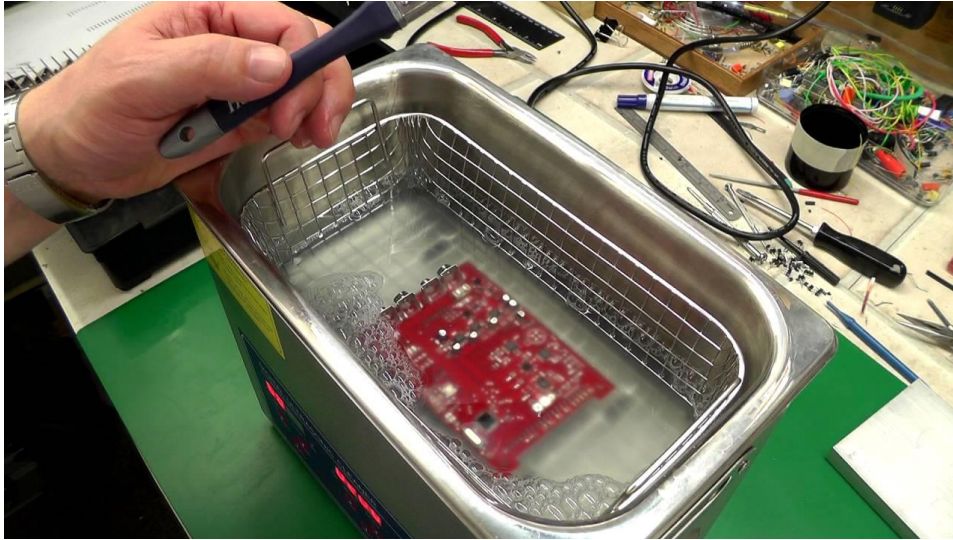


- They explained and practicing the soldering of components on the boards on that day.
- Our students use soldering gun and the soldering lead to soldered components on the board.
- They also explained the wave soldering machine to the students.
- There are the five correct methods of soldering the components on the board.

**Day 7: [08.07.2022]**

### **OBSERVE THE CLEANING OF PCB BOARDS**

- The workers explained the some solutions to clean the PCB boards to them.
- They used the different types of solutions to clean the boards and the solutions are  
IPA (Isopropyl Alcohol), Samson solution .etc.....
- They used the two process DIP clean and AIR clean for the PCB boards.
- They taught some safety precautions to handle while cleaning of boards to them.



**Day 8: [09.07.2022]**

### **TEACHING ABOUT THE STORES**

- They explained the process work of the stores on their company.
- There are four sections on their stores there are
  - INWARD-the process is to checking the incoming quantity.
  - GRIN -making documents for the incoming quantity.
  - IQC - checking the quality of each components.
  - KITTING- providing the components to the production sites.

**Day 9: [11.07.2022]**

### **OBSERVING THE SMD MACHINES**

- The supervisor said that the SMT is the one of the important production department to the students.
- The students observed the process of working of the SMT machines.

**Day 10: [12.07.2022]**

### **LISTENING THE AOI MACHINE**

- The AOI is the final process of the SMT production .
- Our students learned about the judgement of the AOI machine and the process.
- The AOI machine check the components shifting.
- They explained the types of lights in the AOI machine.

**Day 11: [13.07.2022]**

### **KITTING PROCESS**

- They explained the kit sheet format and checking of the returned quantity.
- They convert the BOM material to kit sheet format for the two production department.
- The students learned the work order.
- They also practiced how to baking of the components.

**Day12: [14.07.2022]**

### **FARMING THE COMPONENTS FOR THE PROJECT**

- The students learned to crimping the wires for the up coming projects.
- They cut the resistor and capacitor for the required PCB.
- They also supplied the components to the workers.

**Day 13: [15.07.2022]**

### **CUTTING THE BUBBLE SHEETS**

- The workers explained to the students to use the ESD protected bubble sheet to pack the PCB boards.



- The bubble sheet is used for the protection of the PCB boards while transporting.

**Day 14: [16.07.2022]**

### **OBSERVING THE CONFORMAL COATING**

- They explained the use of coating and its requirements.
- They practiced the masking the PCB boards for the conformal coating.
- The masking process is to protect the connectivity of the connectors.
- Our students learned the coating solutions likes silicot,MAC25.etc....

**Day 15: [18.07.2022]**

### **CUTTING OF WIRES FOR THE BOARDS**

- Our students cut and crimp the wires for the required PCBs.
- They learned /absorbed that how to insert the connector pin for the wires.
- They checked he soldered wire which insert the PCB.
- They followed the 5s while cutting the wires.

**Day 16: [19.07.2022]**

### **MASKING OF THE PCB BOARDS**

- The technician explained the procedure of masking by using the equipments like masking tapes, polymer paste.
- The students learned how to check the impedance values for the components.
- They also learned to spray the chemicals on the PCB boards.

**Day 17: [20.07.2022]**

### **PACKING OF PCB BOARDS**

- The students learned the packing process and its safety.

- They used the different types of sheets to packing the PCBs boards.



**Day 18: [21.07.2022]**

**:EMS**

- The students had to learn the Electronics Manufacturing Services (EMS) is a term used for companies that design, manufacture, test, distribute, and provide return/repair services for electronic components and assemblies for (OEMs).
- The concept is also referred to as Electronics Contract Manufacturing (ECM).
- The EMS rules is used for all companies and its explained to the students.

**Day 19: [22.07.2022]**

### **WAVE SOLDERING**

- On that day students learned the wave soldering.
- Wave soldering is a bulk soldering process used for the manufacturing of printed circuit boards is observed by the students.
- The circuit board is passed over a pan of molten solder in which a pump produces an upwelling of solder that looks like a standing wave.

**Day 20: [23.07.2022]**

### **TEACHING ABOUT THE RESISTOR**

- The supervisor taught how to calculate the value of the resistor by using the colour coding to the students.
- They explained the whole process of the company.
- He also explained the types of resistors used for the production.

**Day 21: [25.07.2022]**

### **OBSERVING THE PICK AND PLACE MACHINE**

- They explained the process of the pick and place machines.
- The machine is used in the SMD production side.
- They learnt how the components placed on the PCB boards.

**Day 22: [26.07.2022]**

### **HELLER**

- A reflow oven is a machine used primarily for reflow soldering of surface mount electronic components to printed circuit boards (PCBs) learned by the students.
- In commercial high-volume use, reflow ovens take the form of a long tunnel containing a conveyor belt along which PCBs travel.
- For prototyping or hobbyist use PCBs can be placed in a small oven with a door.

**Day 23: [27.07.2022]**

### **FQC**

- FQC, the final product quality control before packing, where products are wrong will be detected at this stage learn by the students.
- **Final quality control** is to discover nonconforming products, then to find the unqualified conditions, and it may return to the process or semi-finished stage to repair by the students.
- Finally, it needs to re-inspection, and to be detected once again through FQC.



**Day 24: [28.07.2022]**

### **SEMINAR BY STUDENTS**

- The students took the seminar of the individual topics.
- They gathered the more information about the company for the seminar.

**Day 25: [29.07.2022]**

### **END OF THE INTERNSHIP**

- The company issued the certificates to the students.
- Take the snap while giving the certificates to the students by the company manager and the supervisor.
- The HI-REL TECH students give the votes of thanks to the company.





## ATTENDANCE CERTIFICATE



AN ISO 9001 REV D, ISO 9001 : 2015, ISO 2030, ISO 13485 : 2016, IPC-A-610, ISO 14001 : 2015 CERTIFIED COMPANY

July 29, 2022

### INTERNSHIP CERTIFICATE

This is to certify that Mr Naveen Raj T,

Student of Govt Polytechnic college Uthangarai, has successfully completed internship in the field of Electronics manufacturing services (EMS), from July 01,2022 to July 29,2022 under guidance of Mr. Joshi Robert.

During the period of the internship program with us, he had been exposed to different process was found Diligent, Hardworking and Inquisitive.

We wish him every success in his life and career.

Yours Faithfully

For Hi-Rel Tech Private Limited,

  
Authorised Signatory

### Hi-Rel Tech Private Limited

Head Office: #409, 1st Floor, 4th Main, Amariyothi Layout, Domlur, Bangalore - 560071, INDIA (GSTIN: 33AAACH9824Q1Z3)  
Factory: D-9 (G-14) 1st Phase, SIDCO Industrial Estate, SIPCOT Post, Hosur - 635126 (GSTIN: 33AAACH9824Q1Z3)  
Ph: +91-86609 84509 | E-mail: marketing@hi-retech.in | Web: www.hi-retech.in | CIN: U23548KA1998PTC023548

Your Reliable Supplychain Partner

### FORM-IV: ATTENDANCE SHEET

Name & Address of Organization  
Hi-Rel Tech Private Limited  
D-9-G-14, Tammundi Village Hosur Taluk  
SIDCO Industrial Estate Hosur Taluk-635126.  
TAMMUNDI, India.



Name of Student	NAVEEN RAJ T
Roll No	55 Reg No: 21390334
Name of Course	ELECTRICAL AND ELECTRONICS ENGINEERING
Date of Commencement of Trg:	01-07-2022
Date of Completion of Training:	29-07-2022

Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
July 2022	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

#### Note:

- Attendance Sheet should remain affixed in Daily Training Diary. Do not remove or tear it off.
- Student should sign /initial in the attendance column. Do not mark 'P'
- Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.

  
Signature of Company internship

supervisor with company stamp/

seal



(Name: Robert Joshi) Contact No. 9844654539

# DAILY DAIRY

# EVALUATION

Week - STUDENTS DAILY DIARY / DAILY LOG 21390334.

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
13 <sup>th</sup> Saturday	16-7-22	9:15 AM	5:00 PM	Observing the Conformal Coat.	Good
14 <sup>th</sup> Monday	18-7-22	9:20 AM	5:00 PM	Learns and Practices the Conformal Coat.	
15 <sup>th</sup> Tuesday	19-7-22	9:30 AM	5:00 PM	Masking the other PCB.	Excellent
16 <sup>th</sup> Wednesday	20-7-22	9:15 AM	5:00 PM	Unmasking and Practice the Packing for Conformal.	
17 <sup>th</sup> Thursday	21-7-22	9:30 AM	5:00 PM	Practice the Ultra Cutting with Stripper, Cutter and Test Running.	Self motivated to achieve the goal.
18 <sup>th</sup> Friday	22-7-22	9:15 AM	5:00 PM	Observes the Cleaning and Practice to run test.	Work ethic
19 <sup>th</sup> Saturday	23-7-22	9:20 AM	5:00 PM	Observes the Judgement of AOT.	
20 <sup>th</sup> Monday	25-7-22	9:30 AM	5:00 PM	Observes the Ultra Human Testing.	Acceptance evidence.
21 <sup>st</sup> Tuesday	26-7-22	9:35 AM	5:00 PM	Observes and Practice the Smart Cleaning.	
22 <sup>nd</sup> Wednesday	27-7-22	9:15 AM	5:00 PM	Practice the Cleaning Process and Baking.	Good observation.
23 <sup>rd</sup> Thursday	28-7-22	9:20 AM	5:15 PM	Observing the Solder Process.	
24 <sup>th</sup> Friday	29-7-22	9:30 AM	05:15 PM	Observing the Baking Components.	

Seal & Signature of Industry Supervisor

*[Signature]*  
29/7/22



## FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF INTERN- 20 MARKS

Student name NAVEENRAJ T Date: 29-07-22 Work  
 Supervisor: Asabi Robert Title: Internship  
 Company/Organization: Hi-Rel Tech Internship address: Hosur  
 Dates of Internship: From 01-07-2022 To 29-07-22

Please evaluate your intern by indicating the frequency with which you observed the following behaviors - 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors			
Performs in a dependable manner	✓		
Cooperates with co-workers and supervisors	✓		
Shows interest in work	✓		
Learns quickly	✓		
Shows initiative	✓		
Produces high quality work	✓		
Accepts responsibility	✓		
Accepts criticism		✓	
Demonstrates organizational skills		✓	
Uses technical knowledge and expertise		✓	
Shows good judgment	✓		
Demonstrates creativity/originality	✓		
Analyzes problems effectively	✓		
Is self-reliant	✓		
Communicates well	✓		
Writes effectively	✓		
Has a professional attitude	✓		
Gives a professional appearance	✓		
Is punctual	✓		

Overall performance of student intern (circle one):

(Excellent) ☒

Good/

Satisfactory/Additional comments, if any:

Signature of Industry supervisor *[Signature]* HR Manager: *[Signature]*



## STUDENT FEEDBACK

### FORM-VII: STUDENT FEEDBACK OF INTERNSHIP (TO BE FILLED BY STUDENTS AFTER INTERNSHIP COMPLETION)

Student name: NAVEENRAJ T Date: 29-07-2022  
 Industrial Supervisor: Asabi Robert Title: Internship  
 Supervisor Email: asabi@hi-reltech.in Internship is Full Paid: ✓ Unpaid: ✓  
 Address of Internship Provider/Industry/Organization: Hi-Rel Tech Pvt. Ltd.  
 Faculty Supervisor: Ganesh Kumar Department: EEE Dates of Internship: From 01-07-22 To 29-07-22  
 \*\*\*Please fill out the above in full detail\*\*\*

Give a brief description of your internship work (title and tasks for which you were responsible):

Was your Internship experience related to your major area of study?  
Yes Yes, to a large degree Yes Yes, to a slight degree No No, not related at all indicate the degree to which you agree or disagree with the following statements.

This experience has:	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Given me the opportunity to explore a career field	YES				
Allowed me to apply classroom theory to practice	YES				
Helped me develop my decision-making and problem-solving skills	YES				
Expanded my knowledge about the work world prior to permanent employment	YES				
Helped me develop my written and oral communication skills	YES				
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate decision-making and action)	YES				
Expanded my sensitivity to the ethical implications of the work involved	YES				
Made it possible for me to be more confident in new situations	YES				
Given me a chance to improve my interpersonal skills	YES				
Helped me learn to handle responsibility and use my time wisely	YES				

From

M/S HI-REL TECH PVT LTD  
 D-9, SDOCO Industrial area  
 EPICOT Housing Colony  
 Hosur - 635 126

To

The Principal  
 139, Government Polytechnic College  
 Changanassery

Sub: Feedback

Dear Madam,

The Intern's evaluation should focus on their time with the company how valuable they felt their Internship was, and what they learned. Good things and excellent performance to touch on are processes in the Internship.

Thanking You

For HI-REL TECH PVT LTD

*[Signature]*  
 Authorized Signatory



## **COMPANY FEEDBACK**

### **CONCLUSION**

- We learn EMS Field and assembling the components.
- The industrial experience, learn in the company.
- The Internship was very useful to the subject.
- And some extra activities are practice in the company.
- We understand that it is always required for a design house to develop their design or concept to a product in a rapid manner. Our highly skilled workforce and advance machineries make it happen for our clients without compromising on the quality.
- Our 20+ years of strongly established supply chain, helps us choose the right partner which ultimately benefits our customers. Our select and screened vendor base helps us source genuine parts with traceability in an extremely competitive environment.
- DFM reviews are performed at each stage of the manufacturing cycle. We perform analyses at the system level, components level and the PCB level. Issues related to assembly, services, quality, and processes are documented and delivered to the product design team. This helps design houses to take proper corrective and preventive measures before it turns in to volume production.
- They support our customers in each stage of the product development lifecycle, by supporting design, proto development, and product realisation. We give proper feedback and build a summary at each stage of the product development cycle, which improves the yield and manufacturability of the product.

In visiting company;

## **KATERRA INDUSTRIAL PARK PVT**



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<b>S .No</b>	<b>Date</b>	<b>Topic</b>
1.	01/07/22	Safety Instruction
2.	02/07/22	Visiting Pod factory
3.	04/07/22	Visiting Aluminum & glazing
4.	05/07/22	Visiting Precast Factory
5.	06/07/22	Visiting Hollow core
6.	07/07/22	Visiting the Bay-3(Precast)
7.	08/07/22	Visiting the Bay-3(Concrete)
8.	09/07/22	Visiting the Joinery factory
9.	11/07/22	Study about Star-Delta Connection
10.	12/07/22	Bay-1 (Working of Ex-saw Machine)
11.	13/07/22	Visiting of CNC Router
12.	14/07/22	Bay-2 (Panel Production)
13.	15/07/22	CNC Router Working
14.	16/07/22	Four side Spindle molder working
15.	18/07/22	Aluminum & glazing Machine Working
16.	19/07/22	Assemble the Aluminum & glazing Materials
17.	20/07/22	Types of Maintenance & Maintenance team
18.	21/07/22	Bosh Machine Assemble & dismantle
19.	22/07/22	Wiring of DOL starter, Star-Delta Starter
20.	23/07/22	Execution of DOL starter & Star-Delta Starter
21.	25/07/22	Observe Batching Panel
22.	26/07/22	EOT Crane Working
23.	27/07/22	Electrical Symbols & Control Diagrams
24.	28/07/22	Visiting APFC Panel and Working
25.	29/07/22	Visiting Bus Bars, Transformer & Circuit Breaker



## **DAY 01: (01/07/22)**

### **SAFETY INSTRUCTION:**

Our Students learned about Safety and how to work in a safe environment.

They learned about

- Safety policies
- Construction Health
- Workplace Safety
- Risk Assessment
- Safety tips for Construction Workers



**Safety Gloves**



**Worker uniforms**

**Safety Shoes**



## **DAY 02: (02/07/22)**

### **VISITING POD FACTORY:**

Our Students visited POD factory on that day.

They Explained about PODs are commonly steel frame, composite or made from glass reinforced plastic (GRP). The construction of the pod generally includes the plasterboard, ceramic or porcelain tiles, sanitary and brassware.

Precast concrete sandwich wall panels have been used onvirtually every type of building, including schools, office buildings, apartment buildings, townhouses, condominiums, hotels, motels, dormitories, and single- family homes.



### **DAY 03: (04/07/22)**

#### **VISITING ALUMINIUM & GLAZING:**

Our Students visited Aluminum & Glass assemble for Construction use.

In construction they use Aluminum because it is lightweight, strong, resistant to corrosion and durable. It is also ductile, malleable, and conductive and has no odour.

They said Buildings made with aluminum are virtually maintenance free due to aluminum's resistance to corrosion. Aluminum is also thermally efficient, which keeps buildings warm in cold seasons and cool in hot seasons.

They also explain Glass is one of the most versatile and oldest materials in the building industry.

Accounting for up to 90% of the thermal performance of windows and doors, glass is the most influential factor in determining window and door energy efficiency.



**DAY 04: (05/07/22)**

### **VISITING PRECAST FACTORY:**

Our Students visited Precast factory on that day, They explains about Precast concrete is employed in both interior and exterior applications, from highway, bridge, and hi-rise projects to tilt-up building construction.



They explained about by producing precast concrete in a controlled environment

They said that the precast concrete is afforded the opportunity to properly cure and be closely monitored by them



#### **DAY 05: (06/07/22)**

#### **VISITING HOLLOW CORE:**

Our Students visited Hollow Core factory on that day

They said about Hollow core slabs are pre-stressed floor products with either round or shaped voids, depending on local requirements. They are one of the most popular, efficient and long span floor construction components that

exist today.



**DAY 6: (07/07/22)**

**VISITING THE BAY- 3 (PRECAST)**

Our students visit Precast Factory Bay-3. In that section they explain Strip up bending machine.

The bending machine can operate wire diameters of 6mm-16mm  
Steel bar has been used here





**DAY 07:(08/07/22)**

**VISITING THE BAY-3(CONCRETE)**

Our students visit Precast Factory Bay-3. In that section

- Self-consolidating concrete mixing as a wet-mix or dry-mix procedure
- Improved aggregate moisture control leads to the desired slump and right water-concrete ratio
- Automatic self-learning dosing deviation control leads to huge savings in production costs, both in time and materials
- Precise batch concrete temperature



### **DAY 08: (09/07/22)**

#### **VISITING THE JOINERY FACTORY:**

Our Students visited Joinery section on that day.

In that section, joinery & wooden works that are designed as per customer requirements.

These are at par with latest trend & fashions.

These furniture's in various designs for domestic as well as commercial purpose.

### **DAY 09: (11/07/22)**

#### **STUDY ABOUT STAR-DELTA CONNECTION**

On that day our students learned about Star-Delta Starter Connection

Star Delta starter is most widely used for starting of 3 phase Induction Motor

In that Starter our students have seen 4 pole Contractor, ON delay timer, Main Contractor, Star and Delta Contractor.



**DAY 10: (12/07/22)**

**BAY-1 (WORKING OF EX-SAW MACHINE)**

On that day our students seen Ex-saw machine

The Machine widely used for cutting Concrete Walls, Pillars, bar cutting

It is also used for cutting panel

**DAY 11: (13/07/22)**

**VISITING OF CNC ROUTER**

On that day our students visited NC Router machine

A computer numerical control (CNC) router is a computer-controlled cutting machine which typically mounts a hand-held router as a spindle which is used for cutting various materials, such as wood, composites, metals, plastics, glass, and foams.

A CNC router is very similar in concept to a CNC milling machine.

The CNC router is one of many kinds of tools that have CNC variants.





## **DAY 12: (14/07/22)**

### **BAY-2 (PANEL PRODUCTION)**

Our students visited Panel (Beams and Columns) production on that day

The beams is widely used for carrying a load that may be brick or stone

The column is used for the house is structurally divided into two halves

## **DAY 13: (15/07/22)**

### **CNC ROUTER WORKING**

On that day our students visit CNC Router machine and they explain brief explanation of that machine working

The machine had four components, the cutting bed, the spindle, the drive system and the controller.

The cutting bed supports the material while it's being cut.

The spindle is the part which does all the cutting.

The drive system is essentially an arm which connects to the spindle allowing it to move in three directions

The controller tells the arm which direction to move the spindle.



### **DAY 14: (16/07/22)**

#### **FOUR SIDE SPINDLE MOLDER WORKING**

Our students visit Spindle molder working on that day

Molders & 4 sided planers consist of top, bottom and side cutter heads that allows timber to be planed or molded on all four sides

A table is mounted on an elongated machine frame.

The machine frame is equipped with motors to drive the spindles.

In most cases four side planers are assembled with four spindles, which are arranged below, right, left and above the table.

The process is divided into following steps:

Surface planning

Bottom processing

Joining Side processing

Thickness planning

Top processing

### **DAY 15: (18/07/22)**

#### **ALUMINUM & GLAZING MACHINE WORKING**

This machine is suitable for aluminum window & door's glazing bead's 90°cutting to length, with high cutting efficiency and high accuracy

High level quality linear guide rail pair, Italian direct connection motor, to assure high cutting accuracy

Mist spraying cooling way to cool the sawing blade, to improve the sawing blade tool's lifetime and material's section roughness

Rubber rollers, to protect the glazing bead away from damage







**DAY 16: (19/07/22)**

### **ASSEMBLE THE ALUMINUM & GLAZING MATERIALS**

Our students visited the Aluminium and Glazing assemble areas.

There used Automatic structural glass & aluminum frame assembling and bonding machine is designed to combine structural glass and prefabricated aluminum frame, to apply silicone bonding around the frame automatically.

They perform Butterfly test to test the accuracy of the product



**DAY 17: (20/07/22)**

### **TYPES OF MAINTENANCE & MAINTENANCE TEAM**

They Explained about maintenance of Buildings

Maintenance of Structure is done to meet the following purposes

To keep the structure in a Good Appearance and working condition at all weathering conditions.

To increase the service life of structure & maintain its value.

To ensure the safety of Occupants & reduce outgoing expenses.

For early identification of defects in the structure.

For smooth & Efficient working of the Buildings.

### **DAY 18: (21/07/22)**

#### **BOSCH MACHINE ASSEMBLE & DISMANTLE**

Our Students dismantle and assemble the cutting machine on that day  
The machine consists of Universal motor, armatures, cutting blades and Carbon brushes, and two bearings.

The Motor can operate both forward and reverse direction by changing their field polarity

The machine widely used for cutting steels

### **DAY 19: (22/07/22)**

#### **WIRING OF DOL STARTER, STAR-DELTA STARTER**

On that day our students learned about DOL Starter and Star-Delta Starter wiring

Their trainee gave Contractor, ON Button, OFF Button, MCB, and suitable wires for wiring of DOL starter.

Our students executed the wiring of both starter and run the 3 phase induction motor in both forward and reverse direction.



**DAY 20: (23/07/22)**

**EXECUTION OF DOL STARTER & STAR-DELTA STARTER**

On that day our students have done wiring of the End connection of three phase Induction Motor

Our students learned about the slots and Windings and how to make end connection of the Motor.

They explained neatly about the star connection of the motor, which are widely used for DOL starter

And also explained about the star and delta connection making of 3 phase Induction motor, which are widely used for Star Delta starter





**DAY 21: (25/07/22)**

**OBSERVE BATCHING PANEL**

On that day our students observed the batching panel, which consists of APFC panel, AMF Panel, and Circuit Breakers and switches

They neatly explained about the Voltmeter, Ammeter and power factor meter and frequency meters

They neatly explained about power factor correction, and maintain PF as unity



## **DAY 22: (26/07/22)**

### **EOT CRANE WORKING**

Our students learned about EOT cranes and their working on that day  
EOT namely called as “Electric Overhead Travel Cranes”

There are different types of Cranes used there

1. Single Grinder Cranes
2. Double Grinder Cranes
3. Gantry Cranes

The EOT crane works by using electricity and it can be operated with the help of either the driver or the pendant (remote control).


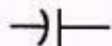
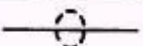


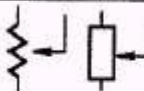


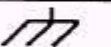

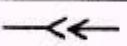

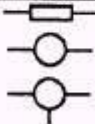



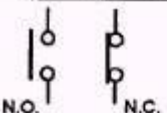

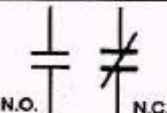






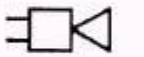
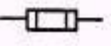

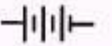
The crane is capable of lifting up to 500 tonnes with a span of 60 meters



DAY 23: (27/07/22)

## ELECTRICAL SYMBOLS & CONTROL DIAGRAMS

They Explained about Electrical symbols used in Industries

	COAXIAL CABLE		CAPACITOR
	SHIELDED WIRE		RESISTOR
	TIEPOINT		POTENTIOMETER
	GROUND CONNECTION		NPN TRANSISTOR
	CHASSIS GROUND		PNP TRANSISTOR
	CONNECTOR		DIODE
	ILLUMINATING OR INDICATING LAMP, LETTERS ADDED WITHIN SYMBOL DENOTE LAMP COLOR		ZENER DIODE
	PUSHBUTTON INDICATING LAMP, LETTERS ADDED WITHIN HALF CIRCLE DENOTES SIDE OF SYSTEM IN OPERATION		KLIP-SEL TRANSIENT SUPPRESSOR
	ELEMENT OF ANY MANUALLY/MECHANICALLY OPERATED SWITCH. NORMALLY OPEN OR CLOSED AS INDICATED		TRIAC
	CONTACTS OR ANY MICROSWITCH OR RELAY, NORMALLY OPEN OR CLOSED AS INDICATED		SYNCHRO
	CIRCUIT BREAKER		TACHOMETER
	COIL OF A SOLENOID OR RELAY		ELECTRIC MOTOR
	TRANSFORMER		LOUDSPEAKER
	FUSE		TELEPHONE JACK
			BATTERY

GMNP0277



### **DAY 24: (28/07/22)**

#### **VISITING APFC PANEL AND WORKING**

On that day they explained about APFC Panel working

APFC Panel is to improve the power factor

In their Companies most of the electrical load is reactive, resulting in poor power factor, for that in order to improve power factor a capacitor load is connected in parallel to that load.

APFC Panel has microcontroller based programmable controller which switches the capacitor banks of suitable capacity automatically in multiple stages

### **DAY 25: (29/07/22)**

#### **VISITING BUS BARS, TRANSFORMER & CIRCUIT BREAKER**

On the Final day our students visited Bus Bars Transformers and Circuit breakers

Transformers is used for Power Transmitter

Circuit Breaker is used for automatically cut off the power supply when fault occur



# INTERNSHIP WORK DOCUMENTATION

## ATTENDANCE CERTIFICATE



**KATERA**  
Katera India Pvt. Ltd. (Formerly known as KEE Infrastructure India Pvt. Ltd.), CN-470100KA03137C0303  
231/A, 232/4, Vengalapuram Village, Kuruburapalli Post, Krishnagiri Taluk, Krishnagiri-635115, Krishnagiri, Tamil Nadu 635115  
Web: [www.katera.com](http://www.katera.com) Email ID: [johnson.thirucham@katera.com](mailto:johnson.thirucham@katera.com)

---

**MST/19 GPEC**  
**INTERNSHIP TRAINING**  
Certificate No: 47

Internship Training Certificate

This is to certify that **MAHALAKSHMI C** Reg.No 21301371 from Government Polytechnic College, Uthangarai has successfully completed the Internship Training on "ELECTRICAL MAINTENANCE & SERVICE" for 25 days (01.07.2022 to 29.07.2022). During this period, student conduct was good and satisfactory.

For Katera India Pvt Ltd



**Johnson T**  
Sr. Executive - HR



**FORM-IV: ATTENDANCE SHEET**

Name & Address of Organization  
**KATERA India Pvt Ltd**  
**231/A, 232/4, Vengalapuram Village, Kuruburapalli Post, Krishnagiri Taluk, Krishnagiri-635115, Krishnagiri, Tamil Nadu 635115**

Name of Student	MAHALAKSHMI C
Roll No	21301371
Name of Course	ELECTRICAL MAINTENANCE & SERVICE
Date of Commencement of Trg	01-07-2022
Date of Completion of Training	29-07-2022

Initials of the student		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Month	Year																																
July	2022																																

**Note:**  
1. Attendance Sheet should remain affixed in Daily Training Diary. Do not remove or tear it off.  
2. Student should sign/initial in the attendance column. Do not mark 'P'.  
3. Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.

Signature of Company Internship supervisor with company stamp/ seal

(Name: **Johnson T**) Contact No. **9500879608**

Katera India Pvt. Ltd.  
231/A, 232/4, Vengalapuram Village  
Kuruburapalli Post, Krishnagiri-635115,  
Tamil Nadu, India.

## DAILY LOG

### WEEK 1, WEEK 2 AND WEEK 3

KEE GOVERNMENT POLYTECHNIC COLLEGE - UTHANGARAI					
STUDENT'S DAILY LOG					
Sl.No	Date	Time of Arrival	Time of Departure	Student's Signature	Supervisor's Signature
1	01-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
2	02-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
3	03-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
4	04-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
5	05-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
6	06-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
7	07-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
8	08-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
9	09-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T

10	10-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
11	11-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
12	12-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
13	13-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
14	14-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
15	15-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
16	16-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
17	17-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
18	18-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
19	19-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
20	20-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
21	21-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
22	22-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
23	23-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
24	24-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
25	25-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
26	26-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
27	27-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
28	28-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T
29	29-07-22	8:30 AM	4:30 PM	MAHALAKSHMI C	Johnson T

## WEEK 4

## Student's feedback

21	20.01.23	9.00 AM	5.00 PM	Draw the Electric Symbol of Pencil diagram card control diagram	Septm
22	22.01.23	9.00 AM	5.00 PM	visiting the over all factory's	Septm
23	24.01.23	9.00 AM	5.00 PM	over all visit the company	Septm
24	02.07.23	9.00 AM	5.00 PM	double wall panel production visiting	Septm
25	04.01.22	9.00 AM	5.00 PM	Bosch machine assemble of dis mandle	Septm

*Shmuel*

Katarra India Pvt. Ltd.  
23MA, 23M, Vithayakapuram Village  
Kumbakonam Post, Krishnagiri-635 105.  
Tamil Nadu, India.

**FORM-VII: STUDENT FEEDBACK OF INTERNSHIP (TO BE  
FILLED BY STUDENTS AFTER INTERNSHIP  
COMPLETION)**

Student name: MAHALEKSHMI T Date: 29.03.2022  
Industrial Supervisor: DHARALEKARNY STEEL ELECTRICAL MAINTENANCE & SERVICE  
Supervisor Email: dhalekarny@steelcorp.com Internship is: ☒ Paid; ☐ Unpaid;  
Address of Internship Provider/Industry/Organization: WATERA THERMAL PVT. LTD, BHIMASARANI, KUNIBAGAPALY  
Faculty Supervisor: DR. NARAYAN Department: E E E Dates of Internship: From 13.03.2022 To 29.3.2022  
\*\*\*Please fill out the above in full detail\*\*\*

Give a brief description of your internship work (title and tasks for which you were responsible):

Was your Internship experience related to your major area of study? Yes Yes, to a large degree Yes Yes, to a slight degree No No, not related at all indicate the degree to which you agree or disagree with the following statements.

<b>This experience has:</b>	<b>Strongly Agree</b>	<b>Agree</b>	<b>No Opinion</b>	<b>Disagree</b>	<b>Strongly Disagree</b>
Given me the opportunity to explore a career field	<input checked="" type="checkbox"/>				
Allowed me to apply classroom theory to practice	<input checked="" type="checkbox"/>				
Helped me develop my decision-making and problem-solving skills	<input checked="" type="checkbox"/>				
Expanded my knowledge about the work world prior to permanent employment	<input checked="" type="checkbox"/>				
Helped me develop my written and oral communication skills	<input checked="" type="checkbox"/>				
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate decision-making and action)	<input checked="" type="checkbox"/>				
Expanded my sensitivity to the ethical implications of the work involved	<input checked="" type="checkbox"/>				
Made it possible for me to be more confident in new situations	<input checked="" type="checkbox"/>				
Given me a chance to improve my interpersonal skills	<input checked="" type="checkbox"/>				
Helped me learn to handle responsibility and use my time wisely	<input checked="" type="checkbox"/>				

## Student's feedback

Helped me discover new aspects of myself that I didn't know existed before	✓			
Helped me develop new interests and abilities	✓			
Helped me clarify my career goals	✓			
Provided me with contacts which may lead to future employment	✓			
Allowed me to acquire information and/ or use equipment not available at my Institute	✓			

In the Institute internship program, faculty members are expected to be mentors for students. Do you feel that your faculty coordinator served such a function? Why or why not?

How well were you able to accomplish the initial goals, tasks and new skills that were set down in your learning contract? In what ways were you able to take a new direction or expand beyond your contract? Why were some goals not accomplished adequately?

In what areas did you most develop and improve? *Batching Panel*

What has been the most significant accomplishment or satisfying moment of your internship?  
What did you dislike about the internship? *And factory*

Considering your overall experience, how would you rate this internship? (Circle one).  
(Satisfactory/ Good/Excellent)

Give suggestions as to how your internship experience could have been improved. (Could you have handled added responsibility? Would you have liked more discussions with your professor concerning your internship? Was closer supervision needed? Was more of an orientation required?) observing plc & machines

T.mahalakshmi  
Student Signature

  
Faculty Supervisor

**The Head Of the Department**  
HEAD OF THE DEPARTMENT  
Electrical and Electronics Engineering,  
Government Polytechnic College  
Uththangarai, Krishnagiri (Dt).



## DNR ELECTRICALS, HOSUR



**MAPPED STUDENT'S NAME LIST - INTERNSHIP**

<b>S.NO</b>	<b>REG NO</b>	<b>NAME</b>
1	21301378	PASUPATHI K
2	21301396	SUNDAR M
3	21301366	JAMBUKUMAR B
4	21301393	SATHISH K
5	21301388	RAJKUMAR.R
6	21301381	PRADHAP S
7	21301397	SURENDHAR G
8	21301398	SURYA MOORTHY G
9	21301374	MEGANATH S
10	21301394	SRIDHAR M

# Day wise Activities

## INTRODUCTION

- Introduction about DNR electrical medical collage wiring
- Students have trained about company rules and safety
- Field experience ,social awareness and leant about electrical symbols,
- How to connect wires in switch board
- Learn about MCB ,RLCB,ELCB and their connection,
- How to connect wires in fan,light,and other equipment

## DAY: 01 (01/07/2022)

### SAFETY

1. Safety hardhat
2. Safety goggles
3. Safety hearing protection device
4. Safety gloves
5. Safety steel boot
6. Safety Respirator



Fig (1)



**DAY: 02 (02/07/2022)**

## **TOOLS**

Students are learned about tools,

1. Screwdriver
2. Pliers
3. Test light
4. Multimeter
5. Electrical tape
6. Wrench
7. Electric drill
8. Wire stripped



Fig (2)

**DAY: 03(04/07/2022)**

## **BASIC ELECTRICAL CLASS INDEX**



Fig(3)

Students have learned about,

- 1.) how electricity is produced – six different methods, dc and ac in plants and voltage, current and resistance; ohm's law-hands-on circuit-building activities with field components-simple circuit - series circuit, parallel circuit, combination circuit, using multi meters to measure voltage, current, and resistance in circuits verifying a circuit is de-energized
- 2.) modes of failure: open circuits, short circuits, and ground faults
- 3.) power: what it is, and how it's determined
- 4.) Single-phase and Three-phase Systems
- 5.) Electrical Test Equipment- Millimeters – Hands-on Exercise, Voltage Testers, Clamp-on Ammeter, Me ohmmeters& Other

**DAY: 04 (05/07/2022)**

## **WIRE COLORS**

Students have learned about,

Colour Markings on

- Black Wires
- Red Wires
- White Wires With Black/Red Tape
- Blue/Yellow Wires



## ***BACK TO TOP***

Opening up an outlet or light switch box, might be confronted with a bewildering array of wires of different colours. Black, white, bare copper, and other colours closely intermingle, yet each one has a specific purpose. Understood about the colour coding for electrical wiring will help you know the purpose of each wire to keep you safe and your house's electrical system in top working order.

**DAY: 05 (06/07/2022)**

## **SERIES CONNECTION**

Here, we have three resistors (labelled  $R_1$ ,  $R_2$ , and  $R_3$ ) connected in a long chain from one terminal of the battery to the other. (It should be noted that the subscript labeling —those little numbers to the lower-right of the letter “R”—are unrelated to the resistor values in ohms. They serve only to identify one resistor from another.)

Students are learned about; the characteristic of a series circuit is that there is only one path for current to flow. In this circuit, the current flows in a clockwise direction, from point 1 to point 2 to point 3 to point 4 and back around to 1.



Fig (5)

**DAY: 06 (07/07/2022)**

## **MCB AND RCCB CONNECTION**

### **MCB CONNECTION**

Students have trained about MCB and RCCB Connection,

When a MCB are marked “Line” and “Load,” the power supply conductors be connected to the marked “Line.” These MCB cannot be reverse-fed. If “Line” and “Load” are not marked on MCB, the power supply conductors may be connected to either end.

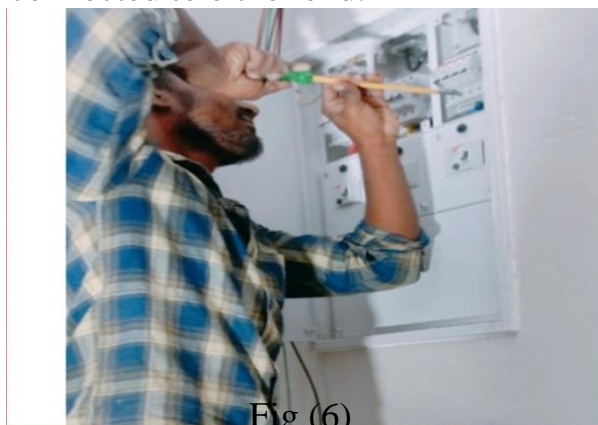


Fig (6)

### **RCCB CONNECTION**

RCCBs are connected parallel to the MCBs inside distribution boards. The neutral connection is done to the neutral links & phase is connected in parallel with MCB as the MCB offers protection against overload and short circuit, and RCCB offers the protection against earth leakage.



Fig (7)



**DAY: 07(08/07/2022)**

## **ELCB AND PCCB CONNECTION**

### **ELCB CONNECTION**

Students have learned about **ELCB AND PCCB CONNECTION**

A voltage-operated ELCB has a second terminal for connecting to the remote reference Earth connection. The Earth circuit is modified when an ELCB is used; the connection to the Earth

### **PCCB CONNECTION**

RCCBs are connected parallel to the MCBs inside distribution boards. The neutral connection is done to the neutral links & phase is connected in parallel with MCB as the MCB offers protection against overload and short circuit, and RCCB offers the protection against earth leakage.



**Fig (8)**

**DAY: 08 (09/07/2022)**

## **CIRCUIT BREAKER ACB, OCB AND VCB**

### **ACB**

Students have learned about CIRCUIT BREAKER ACB, OCB AND VCB

Air circuit breaker is a circuit breaker for the purpose of protecting low voltage circuit, mainly for energizing and cutting off high current. It is used as the master of a factory and building, and as a main circuit breaker of a ship, and it is possible to attach various accessories according to the purpose.

### **OCB**

An oil circuit breaker OCB is a type of circuit breaker that uses insulating oil as a dielectric medium to quench the arc and break the circuit safely. The oil used is insulating oil used usually transformer oil that has better dielectric strength than air.

### **VCB**

Trico late is one of the best 11 KV VCB panel manufacturers & suppliers in India. Trilobite's 11 KV Vacuum Circuit Breaker Panel complies with the requirements of standard IEC 62271-200:2003/ IS: 3427:1997. Our best in class VCB panels are tested with internal arc fault protection at 10KA for 0.1sec.



Fig (9)

**DAY: 09 (11/07/2022)**

## **MOTOR**

Electric motor is an electrical machine that converts electrical energy into mechanical energy. Most electric motors operate through the interaction between the motor's magnetic field and electric current in a wire winding to generate force in the form of torque applied on the motor's shaft. An electric generator is mechanically identical to an electric motor, but operates with a reversed flow of power, converting mechanical energy into electrical energy.

### **Types of Dc Motors**

The types of dc motors mainly include Series, Shunt, and Compound wound & PMDC Motor

**DAY: 10 (12/07/2022)**

## **AC-MOTOR TYES**

### **1. Synchronous Motor**

The working of the synchronous motor mainly depends on the 3-phase supply. The stator in the electric motor generates the field current which

rotates in a stable speed based on the AC frequency. As well as the rotor depends on the similar speed of the stator current. There is no air gap among the speed of stator current and rotor. When the rotation accuracy level is high, then these motors are applicable in automation, robotics, etc.

## 2. Induction Motor

The electric motor which runs asynchronous speed is known as induction motor, and an alternate name of this motor is the Asynchronous motor. Induction motor mainly uses electromagnetic induction for changing the energy from electric to mechanical. Based on the rotor construction, these motors are classified into two types namely squirrel cage & phase wound. Please refer to this link to know more about induction motor types and advantages.

### ***Single Phase Induction Motor Definition***

Single-phase induction motors are the simple motors which operate on single -phase A.C. and in which torque is produced due to induction of electricity caused by the alternating magnetic fields. Single phase induction motors are of different types based on their starting conditions and various factors.

### **Single Phase Induction Motor and Working**

As the power requirements of single load systems are usually small, all our homes, offices are supplied with a single-phase A.C. supply only. To get proper working conditions using this single-phase supply, compatible motors have to be used. Besides being compatible, the motors have to be economical, reliable and easy to repair. One can find all of these characteristics in a single phase induction motor readily. Similar to three-



phase motors but with some modifications, single-phase induction motors are a great choice for domestic appliances.

## **GENERATOR**

Electric generators work on the principle of electromagnetic induction. A conductor coil (a copper coil tightly wound onto a metal core) is rotated rapidly between the poles of a horseshoe type magnet. The conductor coil along with its core is known as an armature.

Light Fixture (Luminaire) Components

- Wiring. Electrical wiring, which provides power to the luminaire. ...
- Junction Box. The junction box provides a location to connect the wiring that comes from the power source with the internal wiring for the light fixture. ...
- Lamp Holder. ...
- Lamp. ...
- Reflector. ...
- Lens. ...
- Trim.
- Lens. ..

## **HOME WORK FOR ALL AC MOTOR**

Students have gained hands on experience on AC Motor Erecting

An AC motor or alternating current motor is an electric motor that consists of a stator with a coil that is supplied with alternating current to convert electric current into mechanical power. The stator is the stationary part of the motor while the rotor is the rotating part. AC motors can be single or three phase with three phase motors mainly used for bulk power conversion. Single phase AC motors are used for small power conversions. There are two types of AC motors, which are synchronous and induction. In a synchronous motor, the rotation of the shaft is at the same pace as the frequency of the applied current with multiphase AC electromagnets on the stator that produce rotating magnetic field. An induction motor, or asynchronous motor, is a single excited motor where current is applied to one part of the motor, the stator. Flux from the stator cuts the short circuited coil in the rotor, which feels torque that makes the rotor rotate.



Fig (10)

**DAY: 13 (15/07/2022)**

## **TRANSFORMER TYPES**

- Power Transformers. A power transformer transfers electricity between a generator and the distribution primary circuits. ...
- Autotransformers. Now, let's make things even more complicated. ...
- Generator Step-Up Transformers. Moving right along to GSUs or generator step-up transformers. ...
- Auxiliary Transformers.



Fig (11)

**DAY: 14 (16/07/2022)**

## **PARALLEL CONNECTION**

Components connected in parallel are connected along multiple paths, and each component has the same voltage across it, equal to the voltage across the network. The current through the network is equal to the sum of the currents through each component.



Fig (12)



## **DAY: 15 (18/07/2022)**

Hands on training on

### **i) 7<sup>th</sup> SEGMENTED WIRING**

7 Segment Single Door Distribution Board is supplied with top & bottom detachable gland plates with knockouts for cable management. It is not merely an enclosure but a comprehensive system in itself, comprising of copper bus bars, brass neutral links, and earth links to facilitate effective distribution of current.



Fig (13)

### **ii) CEILING FAN CONNECTION**

## **DAY: 16 (19/07/2022)**

A ceiling fan is a stylish and functional addition to any room. If you are planning to install a ceiling fan in a room that already has a ceiling outlet, wiring a ceiling fan is the same as wiring any ceiling. If the room doesn't have an overhead box, hire an electrician to install the box and fish the wires through the walls and across the ceiling. Save the fun of installing the actual fan for you. If you can access the ceiling on which you want to attach the fan from the attic or from an overhead area, you have several choices in the type of box you install. If you can't get to the area above



Fig (14)

**DAY: 17 (20/07/2022)**

Hands on training on

### **FAN FITTING**

Installing a ceiling fan is relatively simple, especially if the space above is accessible from an attic. However, even when it isn't, the job is still quite doable. Here, we'll show how to replace an old light fixture with a new ceiling fan and light, in a room with no attic above.



Fig (15)

**DAY: 18 (21/07/2022)**

### **Hands on work on LIGHT FITTING**

A light fitting is part of a light that is attached to the wall or ceiling where you put the light bulb or other lighting scheme.

Fig (16)



**DAY: 19 (22/07/2022)**

### **Hands on work on HOLDER FITTING**

Wiring. Electrical wiring, which provides power to the luminaries. Junction Box. The junction box provides a location to connect the wiring that comes from the power source with the internal wiring for the light fixture. ...



Fig (17)

### **Hands on work on CEILING ROSE**

**DAY: 20 (23/07/2022)**

An electrician will need to remove any light fittings and turn off the electricity. If an old ceiling rose is being replaced, then this will be removed first. The ceiling joists will be marked so the screws can be fitted through the rose and onto the ceiling.



Fig (18)

## **Hands on work on SWITCH BOX FITTING**

1. Connect the phase of the main incoming power supply to anyone terminal of the fuse.
2. Connect any one terminal of each switch (SP, DP) together then connect to the fuse.
3. Connect the neutral to all sockets.
4. Connect the output of the DPS witch to the 32A socket.



Fig (19)

**DAY:22 (26/07/2022)**

## **Hands on work on WIRE CONNECTION**

These examples have been automatically selected and may contain sensitive content that does not reflect the opinions or policies of Collins, or its parent company HarperCollins.

The command information to turn on the thrusters therefore cannot simply be sent using a wire connection it needs to be isolated. In purely mechanical plants, the levers operate the field devices, such as signals, directly via mechanical order remote control systems use a direct wire connection to the l ridding or wire connection.



A wired connection will enable streamed content to play sooner, at higher definitions and hopefully without stuttering.



Fig (20)

### **DAY: 23 (27/07/2022)**

#### **Hands on work on DRILLING MACHINE OPERATING**

The operations that are commonly performed on drilling machines are drilling, reaming, lapping, boring, counter-boring, counter-sinking, Spot facing, and tapping. This is the operation of making a circular hole by removing a volume of metal from the job by a rotating, cutting tool called drill.

Fig (21)



**DAY: 24 (28/07/2022)**

**Hands on work on ELECTRICAL CUTTING MACHINE OPERATING**

A wall chaser is a specialized power tool used for cutting narrow grooves in walls, for instance when laying electrical cable. The tool is usually powered by an electric motor which drives a pair of abrasive discs like those found in an angle grinder, positioned closely together.



Fig (22)

**DAY: 25 (29/07/2022)**



Fig (23)

### **Hands on work on SWITCH BOX LIVE CHECKING**

To test a non-contact voltage tester, hold the tool near an outlet you know has live power and make sure it sense the current. to test a continuity tester attach the tester clip tester metal probe; the tester should light up. Student feedback about “ the internship was a useful experience. i have find out what my strengths people inexperienced that financing, as in may organization, is an important factor for the progress of project.

FORM-IV: ATTENDANCE SHEET

Name & Address of Organization

PNR ELECTRICALS

H. 256, Brindavan Nagar

Thiruv. Colony, phase VII, Hosur-635109

Name of Student	<u>R. J. K. K. R. R.</u>
Roll No	<u>58</u> Reg. No: <u>21501328</u>
Name of Course	<u>ELECTRON AND ELECTRIC ENGINEERING (EEE)</u>
Date of Commencement of Trg.	<u>01-07-2022</u>
Date of Completion of Training	<u>29-07-2022</u>

Initials of the student

Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Year																															

Note:

1. Attendance Sheet should remain affixed in Daily Training Diary. Do not remove or tear it off.
2. Student should sign initial in the attendance column. Do not mark 'P'
3. Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.

S. Radhakrishnan  
Signature of Company Interim Supervisor with company stamp  
H. 256, Brindavan Nagar  
Thiruv. Colony, Phase VII  
HOSUR-635109

(Name S. RADHAKRISHNAN) Contact No. 9524680097



FORM-VII: STUDENT FEEDBACK OF INTERNSHIP (TO BE FILLED BY STUDENTS AFTER INTERNSHIP COMPLETION)

Student name: R. Rishabh Date: 30.07.2022  
 Industrial Supervisor: P. Ravi Kumar Title: ESTIMATION AND EJECTION OF COMMISSION  
 Supervisor Email: \_\_\_\_\_ Internship is: \_\_\_\_\_ Paid: ☒ Unpaid: ☐  
 Address of Internship Provider/Industry/Organization: IND. ELECTRICALS.  
 Faculty Supervisor: Pradeep Department: EEE Dates of Internship: From 6.7.22 To 26.07.2022  
 \*\*\*Please fill out the above in full detail\*\*\*

Give a brief description of your internship work (title and tasks for which you were responsible):

Was your Internship experience related to your major area of study?  
Yes Yes, to a large degree No Yes, to a slight degree \_\_\_\_\_ No, not related at all  
 Indicate the degree to which you agree or disagree with the following statements.

This experience has:	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Given me the opportunity to explore a career field	✓				
Allowed me to apply classroom theory to practice	✓				
Helped me develop my decision-making and problem-solving skills	✓				
Expanded my knowledge about the work world prior to permanent employment	✓				
Helped me develop my written and oral communication skills	✓				
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate decision-making and action)	✓				
Expanded my sensitivity to the ethical implications of the work involved	✓				
Made it possible for me to be more confident in new situations	✓				
Given me a chance to improve my interpersonal skills	✓				
Helped me learn to handle responsibility and use my time wisely	✓				

Helped me discover new aspects of myself that I didn't know existed before	✓				
Helped me develop new interests and abilities	✓				
Helped me clarify my career goals	✓				
Provided me with contacts which may lead to future employment	✓				
Allowed me to acquire information and/or use equipment not available at my Institute	✓				

In the Institute internship program, faculty members are expected to be mentors for students. Do you feel that your faculty coordinator served such a function? Why or why not?

Yes

How well were you able to accomplish the initial goals, tasks and new skills that were set down in your learning contract? In what ways were you able to take a new direction or expand beyond your contract? Why were some goals not accomplished adequately?

Electronics

In what areas did you most develop and improve?

wiring

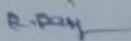
What has been the most significant accomplishment or satisfying moment of your internship? What did you dislike about the internship?

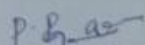
start

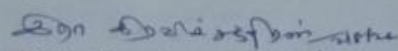
Considering your overall experience, how would you rate this internship? (Circle one). (Satisfactory/ Good/Excellent)

Give suggestions as to how your internship experience could have been improved. (Could you have handled added responsibility? Would you have liked more discussions with your professor concerning your internship? Was closer supervision needed? Was more of an orientation required?)

Excellent.

  
R. RAJKUMAR  
Student Signature

  
Faculty Supervisor

  
The Head Of the Department EEE 1/c  
HEAD OF THE DEPARTMENT  
Electrical and Electronics Engineering,  
Government Polytechnic College  
Uthangarai, Krishnagiri (Dt)



## TRAINING CERTIFICATE

# **DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

**ECE Students are mapped with BSNL, HOSUR  
&  
SKMT ELECTRONICS, TIRUPATTUR**



## **1.BSNL, HOSUR**

(With Financial Assistance)

S. NO	REG. NO	NAME
1	21400811	ARAVINDH M
2	21400821	KAMESH S
3	21490661	SRIMANIGANDAN S
4	21400847	YUVANSHANKAR S
5	21400836	RIZWAN I
6	21400815	ASHIK ALI U
7	21400812	ARAVINDHAN S
8	21490636	ARAVIND V
9	21400846	VISHNU K
10	21400820	KAMALNATH M
11	21400840	VEDAN M
12	21400832	PRANAV DIXIT A
13	21400824	KAVIYARASAN S
14	21400833	RAGUL M
15	21490657	SATHISH P
16	21400822	KAVIN T
17	21400814	ASHA M
18	21490660	SRIDHARAN P
19	21400810	ANBARASAN C

## 2. SKMT ELECTRONICS

(With Financial Assistance)

S.NO	REG NO	NAME
1	21400817	DIVYA A
2	21490645	HARSHITHA V
3	21400841	VIGNESH R
4	21490648	KRISHNAMOORTHY S
5	21490663	VENKATESH M
6	21490642	GOKULRAJ S
7	21490644	HARISH S
8	21490655	SANJAINATHAN S
9	21490664	VIKRAM S
10	21490651	MEIYARASAN D
11	21490656	SANTHOSHKUMAR S
12	21400835	RATHINAKUMAR P
13	21490662	VANITHA P
14	21490641	GOKUL S
15	21490646	JAYAMOORTHY S

(Without Financial Assistance)

S.NO	REG NO	NAME
1	21490647	KARTHIKEYAN S
2	21490643	HARIGARAN K
3	21490640	ELUMALAI K
4	21490649	LOGESHWARAN D
5	21490650	LOSHINI G
6	20401214	MAHABOOPBASHA M

## Day wise Activities

**Date:** 01.07.2022

**Venue:** BSNL, Hosur.

**Activity:** Students arrival & Training Inaugural at BSNL, Hosur.



**Description:** The mapped students are arrived at BSNL, Hosur and the training inauguration was started by BSNL officials on 01-07-2022.

**Date:** 01.07.2022

**Venue:** SKMT, Tirupattur.

**Activity:** Students arrival & Training Inaugural at SKMT Electronics



**Description:** The mapped students are arrived at SKMT Electronics and the training inauguration was started by SKMT Staffs on 01-07-2022.



**Date: 02.07.2022**

**Venue: BSNL, Hosur.**

**Activity: Theoretical Session on Telecommunication basics**



**Description:** The various telecommunication concepts & their modules are explained to our Students on 02.07.2022.

**Date:** 02.07.2022

**Venue:** SKMT, Tirupattur.

**Activity:** Electronic Components Basics & its Identification.



Electronic Components Basics & it's  
Identification on 2/7/22



**Description:** The theoretical session about basic electronic components & its identification was taught on 02.07.2022.

**Date:** 05.07.2022

**Venue:** BSNL, Hosur.

**Activity:** Introduction to Broadband and its real time applications.



**Description:** The introductory session about Broadband and its real time applications was taught on 05.07.2022.



**Date:** 05.07.2022

**Venue:** SKMT, Tirupattur.

**Activity:** Relay basics & its Applications



**Description:** The theoretical session about Relay basics & its Applications was taught on 05.07.2022.



**Date:** 06.07.2022

**Venue:** BSNL, Hosur.

**Activity:** Live demo on GSM Control Channel.



Live Demo on GSM Control Channel on 06-07-22.



**Description:** Live demo about GSM Control Channel shown on 06.07.2022.

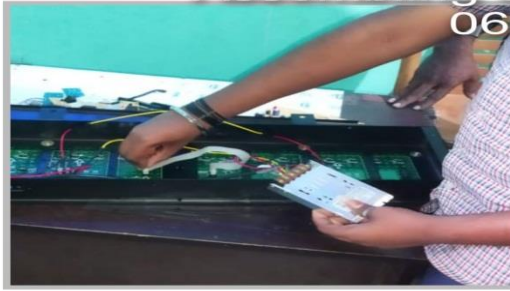
**Date: 06.07.2022**

**Venue: SKMT, Tirupattur.**

**Activity: LCD Display Assembly.**



Assembling of LCD Display on  
06-07-22.



**Description:** The assembling of LCD Display was done by our students on 06.07.2022

**Date: 07.07.2022**

**Venue: BSNL, Hosur.**

**Activity: Live demo on GSM Architecture.**



**Description:** Live demo about GSM Architecture was given to our students on 07.07.2022



**Date:** 07.07.2022

**Venue:** SKMT, Tirupattur.

**Activity:** LCD Display Sale at Aavin Parlour by our Students.



**Description:** The assembling of LCD Display was done at Aavin Parlour by our students on 07.07.2022

**Date: 11.07.2022**

**Venue: BSNL, Hosur.**



**Activity:** Live session on RF Planning.

**Description:** Live demo about Radio Frequency Planning was given to our students on 07.07.2022



**Date:** 11.07.2022

**Venue:** SKMT, Tirupattur.

**Activity:** Relay design & Soldering Practice.



**Description:** Soldering practice & Relay design was made our students on 11.07.202

**Date:** 14.07.2022

**Venue:** BSNL, Hosur.

**Activity:** RF Management System

- The RF design inputs can be divided into – Capacity requirements
- Erlang per subscriber during the busy hour– for BSNL internal circulation only
- Quality of service for the air interface, in terms GoS – Coverage requirements
- Target coverage areas.

**Note:**The following points are discussed on the end of session.



**Date:** 14.07.2022

**Venue:** SKMT, Tirupattur.

**Activity:** Soldering Practice & Relay Design.



Soldering Practice & Relay  
design on 14-07-22.



**Description:** Soldering practice & Relay design was made our students on 14.07.2022

**Date: 23.07.2022**

**Venue: BSNL, Hosur.**

**Activity: Practical Session on Ethernet Cable Crimping**

**Description:** Ethernet Cable crimping work was made by our students on 23.07.2022

**Date: 23.07.2022**

**Venue: SKMT, Tirupattur.**



**Activity: Soldering Practice & Relay Design.**



**Description:** Soldering Practice & CCTV Camera installation by our students on 23.07.2022



**Date:** 25.07.2022

**Venue:** BSNL, Hosur.

**Activity:** Insight View of Base Station Controller



**Description:** Live demo about Base Station Controller was given to our students on 25.07.2022





**Date: 25.07.2022**

**Venue: SKMT, Tirupattur.**

**Activity: Basic ideas on Real Time Projects**



**Description:** Basic ideas on Real Time Projects was given to our students on 25.07.2022

**Date: 26.07.2022**

**Venue: BSNL, Hosur.**

**Activity: Franchise Management System**



**Description:** Basic ideas given about Franchise Management System on 26.07.2022.

**Date:** 26.07.2022

**Venue:** SKMT, Tirupattur.

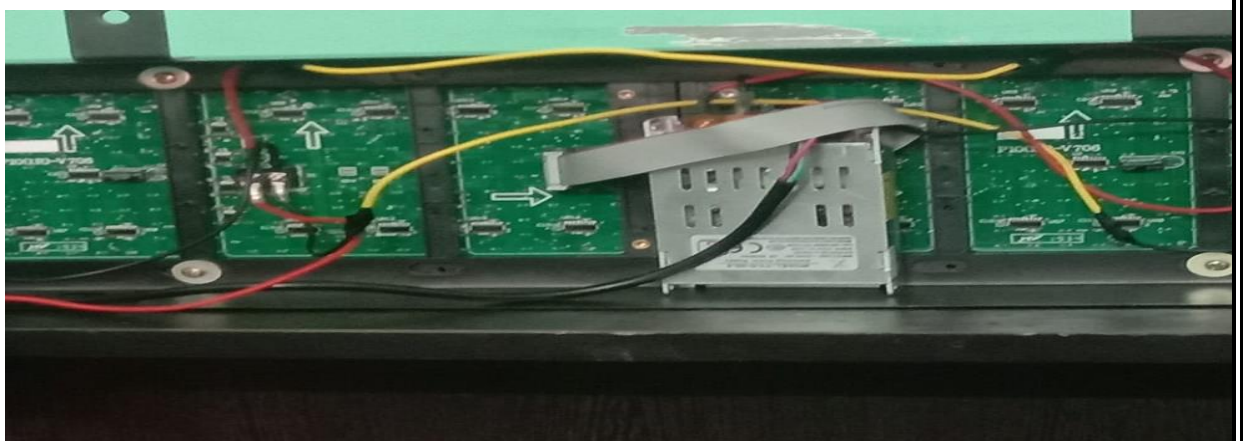
**Activity:** Basic ideas on Trouble Shooting of Home Appliances.



Troubleshooting of Home Appliances on 26-07-22.



**Description:** Basic ideas given about Trouble Shooting of Home Appliances on 26.07.2022





**Date: 27.07.2022**

**Venue: BSNL, Hosur.**

**Activity: Live Session on Ground Measurement**



**Description:** Live demo given about Ground Measurement on 27.07.2022

**Date:** 27.07.2022

**Venue:** SKMT, Tirupattur.

**Activity:** Mini Project on Chargeable Solar controlled mini Car.



**Description:** Live project demon about Chargeable Solar controlled mini Car on 27.07.2022





**Date: 28.07.2022**

**Venue: BSNL, Hosur.**

**Activity: Students Final Assessment Test**



**Description:** Final Assessment test was conducted by BSNL officials on 28.07.2022.

**Date: 29.07.2022**

**Venue: SKMT, Tirupattur.**

**Activity: Valedictory Ceremony**



**Description:** Valedictory ceremony on 29.09.2022

**Date:** 29.07.2022

**Venue:** BSNL, Hosur.

**Activity:** Valedictory Ceremony



**Description:** Valedictory ceremony on 29.09.2022

## Internship Training Attendance Certificate

<b>Bharat Sanchar Nigam Limited</b> Srinagar - Kanyakumari Highway, MSU Main Telephone Exchange, Sri Nagar, Hosur, Tamil Nadu 635109		<b>भारत संचार निगम लिमिटेड</b> (भारत सरकार का उपक्रम) <b>BHARAT SANCHAR NIGAM LIMITED</b> (A Govt. of India Enterprise)
<div><b>Total Noof Days: 25</b> <b>No of days Present: 25</b> <b>No of days Absent: 0</b> <b>Attendance Percentage: 100%</b></div>	<b><u>Internship Training Attendance Certificate</u></b>	
<p>This is to certify that <u>ASHA M (21400814)</u> from <b>Government Polytechnic College, Uthangarai</b> has successfully completed the Internship Training on "<b>IMPLEMENTATION OF MOBILE NETWORK MODELS</b>" for <b>25 days</b> (<b>01.07.2022 to 29.07.2022</b>). During this period, student conduct was <b>good and satisfactory</b>.</p>		
		 <b>Industry Supervisor</b> Sub Divisional Engineer (MSU) BSNL HOSUR - 635 109.

# Attendance Sheet

## FORM- IV: ATTENDANCE SHEET

Name & Address of Organization

BSNL  
Srinagar - Kanyakumari Hwy, Surya  
Nagar, Sri Nagar, Hosur, Tamil Nadu  
635109  
HOSUR

Name of Student	ARAVINDH M
Roll. No	21400811
Name of Course	Electronics and Communication Engineering
Date of Commencement of Trg.:	01.07.2022
Date of Completion of Training:	29.07.2022
Institution Name	139, Government Polytechnic college, Uthangarai

Initials of the student

Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
July & 2022																													

Note:

1. Attendance Sheet should remain affixed in Daily Training Diary. **Do not remove or tear it off.**
2. Student should sign /initial in the attendance column. Do not mark 'P'
3. Holidays should be marked in **Red Ink** in attendance column. Absent should be marked as 'A' in Red Ink.

Signature of Company internship supervisor with company stamp/ seal

Name :P.SEKAR  
Contact No. :9486101669

  
Sub Divisional Engineer (MSU)  
BSNL  
HOSUR - 635 109.



## Intern Evaluation Form

### FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF INTERN- 20 MARKS

Student name ANBARASAN .G Date: Work

supervisor P. SEKAR Title: INTRODUCTION - TELECOM AND NETWORKING

Company/Organization: BSNL Internship address: HOSUR

Dates of Internship: From 01-07-2022 To 29-07-2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors – 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	/		
Performs in a dependable manner	/		
Cooperates with co-workers and supervisors	/		
Shows interest in work	/		
Learns quickly	/		
Shows Initiative	/		
Produces high quality work	/		
Accepts responsibility	/		
Accepts Criticism	/		
Demonstrates organizational skills	/		
Uses technical knowledge and expertise	/		
Shows good judgment	/		
Demonstrates creativity/originality	/		
Analyzes problems effectively	/		
Is self-reliant	/		
Communicates well	/		
Writes effectively	/		
Has a professional attitude	/		
Gives a professional appearance	/		
Is punctual	/		

Overall performance of student intern (circle one):

(Excellent /

Good/

Satisfactory) Additional comments, if any:

Signature of Industry supervisor P. Sekar HR Manager .....

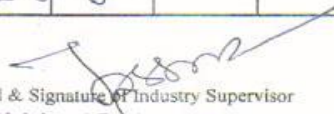
  
Sub Divisional Engineer (MSU)  
BSNL  
HOSUR - 635 109.

## Student's Daily Diary

21400814

Ashok M  
ECE - II Year.

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG					
STUDENT'S DAILY DIARY / DAILY LOG					
Week -					
Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	01/07/2022	9:30 AM	5:30 PM	Types of Switching network Area of Telegram to Telegram Network	
Saturday	02/07/22	9:30 AM	5:30 PM	About of colour coding; Bunch, Rippon	
Monday	04/07/22	9:30 AM	5:30 PM	RTI Modulation/ OE model Types of Resonance - VMOF Service	
Thursday	05/07/22	9:30 AM	5:30 PM	INSTRUMENT 40 WIFI Types of Service	
Wednesday	06/07/22	9:30 AM	5:30 PM	Em Waves antenna VPS	
Tuesday	07/07/22	9:30 AM	5:30 PM	Electromagnetic Radiations Antenna Types OF ALL GSM	

  
 Seal & Signature of Industry Supervisor  
 Sub Divisional Engineer (MSU)  
 BSNL  
 HOSUR - 635 109.

## Student's Daily Diary

21400814

## FORM-V: STUDENT'S DAILY DIARY/ DAILY LOG

ASHAM  
II Year  
ECE

## STUDENT'S DAILY DIARY/ DAILY LOG

Week -					
Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	9/07/22	9:30 AM	5:30 PM	* BIS PC to L2.com System * Rms, BTS.	
Saturday	9/10/2022	9:30 AM	5:30 PM	* Sham may sample Theorem * GPRS, EDGE 2.5G	
Sunday	11/07/2022	9:30 AM	5:30 PM	* CDMA * Tower structure Antenna	
Tuesday	12/07/2022	9:30 AM	5:30 PM	* Other view of mobile generation * U.S. system	
Wednesday	13/07/2022	9:30 AM	5:30 PM	* U.M.T.C, W.C.O.M * H.S.P.A H.S.A	
Thursday	14/07/22	9:30 AM	5:30 PM	* G.S.M, 2G * W.C.D.M.A * P.S.C-Relay supply	
Friday	15/07/22	9:30 AM	5:30 PM	* L.T.E * L.T.E-4G System * L.T.E to L.T.E	

Sub Divisional Engineer (MSU)  
BSNL  
HOSUR - 635 109.

## Student's Daily Diary



FORM-V: STUDENT'S DAILY DIARY/ DAILY LOG

ASHAM  
ECE  
TUMKUR

21400814

STUDENT'S DAILY DIARY/ DAILY LOG

Week -

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Monday	23/10/22	9:30 AM	5:30 PM	* OSI * addressing IP mac * Ethernet cable	
Tuesday	25/10/22	9:30 AM	5:30 PM	* BG * Overlook	
Wednesday	26/10/22	9:30 AM	5:30 PM	* IDF Lab test	
Thursday	27/10/22	9:30 AM	5:30 PM	Engine Alternator Lab test	
Friday	28/10/22	9:30 AM	5:30 PM	* VOLT (4G) * TEST condant	
Saturday	29/10/22	9:30 AM	5:30 PM	* BSS maintenance * RFF maintenance	

Sub Divisional Engineer (MSU)  
BSNL  
HOSUR - 635 109.



# Attendance Sheet

## FORM- IV: ATTENDANCE SHEET

Name & Address of Organization

SKMT Electronics Private Limited

No: 13, Ladan Mission Road

Tirupattur

Name of Student	VANITHA.P
Roll. No	21490662
Name of Course	DECE
Date of Commencement of Trg.:	1.7.2022
Date of Completion of Training:	29.7.2022

### Initials of the student

Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
July 2022																															

### Note:

- Attendance Sheet should remain affixed in Daily Training Diary. **Do not remove or tear it off.**
- Student should sign /initial in the attendance column. Do not mark 'P'
- Holidays should be marked in **Red Ink** in attendance column. Absent should be marked as 'A' in Red Ink.

Signature of Company internship

supervisor with company stamp/

seal

(Name PT - V) Contact No. 8248451692



## Intern Evaluation Form

### FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF INTERN- 20 MARKS

Student name MEIYARASAN • D Date: Work  
 supervisor GOPI. V Title: \_\_\_\_\_  
 Company/Organization: S.K.M.T Internship address: Tirupattur  
Electronics Private Limited  
 Dates of Internship: From 1.7.2022 To 29.7.2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors – 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	✓		
Performs in a dependable manner	✓		
Cooperates with co-workers and supervisors	✓		
Shows interest in work	✓		
Learns quickly	✓		
Shows Initiative	✓		
Produces high quality work	✓		
Accepts responsibility	✓		
Accepts Criticism	✓		
Demonstrates organizational skills	✓		
Uses technical knowledge and expertise	✓		
Shows good judgment	✓		
Demonstrates creativity/originality	✓		
Analyzes problems effectively	✓		
Is self-reliant	✓		
Communicates well	✓		
Writes effectively	✓		
Has a professional attitude	✓		
Gives a professional appearance	✓		
Is punctual	✓		

Overall performance of student intern (circle one):

(Excellent) \_\_\_\_\_ Good/  
 Satisfactory) Additional comments, if any:

Signature of Industry supervisor [Signature] HR Manager [Signature]



## Student's Feedback Form

### FORM-VII: STUDENT FEEDBACK OF INTERNSHIP (TO BE FILLED BY STUDENTS AFTER INTERNSHIP COMPLETION)

Student name: RATHINAKUMAR-P Date: 29.07.2022  
 Industrial Supervisor: GOPP.V Title: \_\_\_\_\_  
 Supervisor Email: gopp.v@rail-con Internship is: \_\_\_\_\_ Paid: \_\_\_\_\_ Unpaid: \_\_\_\_\_  
 Address of Internship Provider/Industry/Organization: \_\_\_\_\_  
 Faculty Supervisor: Sugeshini.P Department ECE Dates of Internship: From 1-7-22 To 29-7-22  
 \*\*\*Please fill out the above in full detail\*\*\*

Give a brief description of your internship work (title and tasks for which you were responsible):

Was your Internship experience related to your major area of study?  
Yes, to a large degree ----- Yes, to a slight degree ----- No, not related at  
 all indicate the degree to which you agree or disagree with the following statements.

This experience has:	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Given me the opportunity to explore a career field	✓				
Allowed me to apply classroom theory to practice	✓				
Helped me develop my decision-making and problem-solving skills	✓				
Expanded my knowledge about the work world prior to permanent employment		✓			
Helped me develop my written and oral communication skills		✓			
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate decision-making and action)	✓				
Expanded my sensitivity to the ethical implications of the work involved	✓				
Made it possible for me to be more confident in new situations	✓				
Given me a chance to improve my interpersonal skills	✓				
Helped me learn to handle responsibility and use my time wisely	✓				

Helped me discover new aspects of myself that I didn't know existed before	✓				
Helped me develop new interests and abilities	✓				
Helped me clarify my career goals	✓				
Provided me with contacts which may lead to future employment		✓			
Allowed me to acquire information and/ or use equipment not available at my Institute	✓				

In the Institute internship program, faculty members are expected to be mentors for students.  
Do you feel that your faculty coordinator served such a function? Why or why not? *yes*

*yes CLOSER INTER ACTION*

How well were you able to accomplish the initial goals, tasks and new skills that were set down in your learning contract? In what ways were you able to take a new direction or expand beyond your contract? Why were some goals not accomplished adequately?

*by exposing myself thoughtfully.*

*RGB Board Design*

What has been the most significant accomplishment or satisfying moment of your internship?  
What did you dislike about the internship?

*SCROLLING LED DISPLAY*

Considering your overall experience, how would you rate this internship? (Circle one).  
(Satisfactory/ Good/ Excellent)

Give suggestions as to how your internship experience could have been improved. (Could you have handled added responsibility? Would you have liked more discussions with your professor concerning your internship? Was closer supervision needed? Was more of an orientation required?)

*CLOSER SUPERVISION NEEDED*

*Rajiv Kumar*  
Student Signature

The Head Of the Department

*[Signature]*  
Faculty Supervisor



# Student's Daily Diary

21490649

Name: D. LOGESHVARAN

D. LOGESHVARAN

FORM-V: STUDENT'S DAILY DIARY/ DAILY LOG

PT UTHAYARAJ

Electronics

## STUDENT'S DAILY DIARY/ DAILY LOG

Week - 1

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	1.07.2022	9:00AM	05:00PM	* LED Display பற்றி தெரிந்துகொண்டோம் * Capacitor பற்றி தெரிந்து கொண்டோம்	OK Satisfied
Saturday	02.07.2022	9:00AM	05:00AM	colour coding compounding. Ph sensor, mra sensor Bridges power supply fuel power supply/sensor basic	OK Good
Monday	04.07.2022	9:00AM	05:00PM	மேல் பிளாஸ்ம கம்பவுண்ட் பற்றி தெரிந்துகொண்டோம் Pindistance, capacitor, Resistor Inductor பற்றி தெரிந்து கொண்டோம் LDR sensor.	OK Good
Tuesday	05.07.2022	09:00AM	05:00PM	LED, microprocessor -er, microcontroller sensor, 7 segment	OK Satisfied
Wednesday	06.07.2022	09:00AM	05:00PM	Addressing, operation of instruction. Data transfer logical instructions	Good
Thursday	07.07.2022	09:00AM	05:00PM	Electrical circuit Felt voltage mra web Program seven segment LED Bimay realization to decimal number.	Good



# Student's Daily Diary

21490649.  
 NAME - D. LOGESHWARAN  
 139. CPT UTHANGARAI  
 SKMT ELECTRONICS

D. Logeshwaran.

(2)

## FORM-V: STUDENT'S DAILY DIARY/ DAILY LOG

STUDENT'S DAILY DIARY/ DAILY LOG					
Week -					
Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	08.07.2022	09.00AM	04.00PM	Sensor type, I/P and O/P, Transistor, Auto, Analog, Amplitude	Good
Saturday	09.07.2022	09.00AM	04.00PM	PCB Board drawing	Good
Monday	11.07.2022	09.00AM	04.00PM	PCB Board design and soldering.	Excellent
Tuesday	12.07.2022	09.00AM	04.00PM	CCU remote installation training.	Good
Wednesday	13.07.2022	09.00AM	04.00PM	* scrolling LED display and SMS connection and J2048 relay - Button	Excellent
Thursday	14.07.2022	09.00AM	04.00PM	Relay board diagram and soldering wiring	Excellent

# Student's Daily Diary

## FORM-V: STUDENT'S DAILY DIARY/ DAILY LOG

STUDENT'S DAILY DIARY/ DAILY LOG					
Week -					
Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	15.07.2022	9:00 AM	05:00 PM	PCB Board soldering and PCB designing for wireless control device.	Good
Saturday	16.07.2022	09:00 AM	05:00 PM	PCB Board soldering.	Excellent
Sunday	18.07.2022	09:00 AM	05:00 PM	PCB Board designing and soldering.	Excellent
Tuesday	19.07.2022	09:00 AM	05:00 PM	Arduino board layout diagram draw	Excellent
Wednesday	20.07.2022	09:00 AM	05:00 PM	CRM - Global system of mobile communication	Good
Thursday	21.07.2022	09:00 AM	05:00 PM	mate lab Induction PCB layout diagram drawing.	Excellent





# Student's Daily Diary

D. 1008 hussain.

③

21490649.

VIP Otharabadi

FORM-V: STUDENT'S DAILY DIARY/ DAILY LOG

SKM Electronics.

## STUDENT'S DAILY DIARY/ DAILY LOG

Week - 4.					
Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	22-07-2022	09:00AM	05:00PM	mat lab software installation and preparation.	Excellent
Saturday	23-07-2022	09:00AM	05:00PM	mat lab designing and program.	Excellent
Sunday	24-07-2022	09:00AM	05:00PM	Time based Robotics and ac generator motor drive	Excellent
Monday	25-07-2022	09:00AM	05:00PM	About F200 and its uses and its applications	Excellent
Tuesday	26-07-2022	09:00AM	05:00PM	* Drone working principle.	Excellent
Wednesday	27-07-2022	09:00AM	05:00PM	- apps development and programming.	
Thursday	28-07-2022	09:00AM	05:00PM	PIC Board design	

Name & Signature of Industry Supervisor





# **DEPARTMENT OF COMPUTER ENGINEERING**

**Computer Engineering students are mapped with  
BSNL, HOSUR  
FATHOM TECHNOCRAT'S, HOSUR  
MIKROSUN TECHNOLOGY, SALEM**

**BSNL -STUDENTS LIST**

<b>SNO</b>	<b>NAME</b>
1	IYAPPAN M
2	GOWTHAM V
3	CHITTRARASU S
4	VEDIYAPPAN A
5	PRAVEENKANTH R
6	MAHALAKSHMI T
7	SANTHIYA P
8	SWETHA C
9	LATHA P
10	NIVETHA P
11	THIRUPATHI M
12	SATHYAMOORTHY B
13	KARMEGAM S
14	RAGUL M
15	JAYASEELAN M
16	LOKESH S
17	LAKSHMI NARAYANAN A

**MICROSUN STUDENTS LIST (With Financial Assistance)**

<b>SNO</b>	<b>NAME</b>
1	GOVINDARAJ K
2	VISHNUKUMAR K
3	RAGUNATH VC
4	SUNDARAVEL C
5	POOVARASAN P
6	KALAIYARASU D
7	SIVA M

**MICROSUN STUDENTS LIST**  
**(Without Financial Assistance)**

<b>S.NO</b>	<b>NAME</b>
1	THIRUMALAI V
2	ARUNKUMAR S

**FATHOM STUDENTS LIST**  
**(With Financial Assistance)**

<b>SNO</b>	<b>NAME</b>
1	JALAPATHI P
2	POOVAZHAGI V
3	DEVANKUMAR T
4	INTHIRAKUMARAN M
5	GOKUL M
6	GOWTHAM R
7	DEEPIKA S
8	AJMAL M

**FATHOM STUDENTS LIST**  
**(Without Financial Assistance)**

<b>S.NO</b>	<b>NAME</b>
1	DEEPAK V
2	YUVARAJ S

## Day wise Activities

### DAY 1 ACTIVITY

**Date:** 01.07.2022

**Venue:** BSNL, Hosur

**Activity:** Students arrival & Training Inaugural at BSNL, Hosur.



**Description:** The mapped students are arrived at BSNL, Hosur and the training inauguration was started by BSNL officials on 01-07-2022.



**Date:** 01.07.2022

**Venue:** Mikrosun Technology, Salem

**Activity:** Students arrival and training inaugural at Mikrosun Technology, Salem



**Description:**

The mapped students are arrived at Mikrosun technology, salem and the training inauguration was started by their software developer on 01-07-2022. Trainer of the company has introduced their job nature and ask the students to grow up their knowledge using their job nature

**Date: 01.07.2022**

**Venue: FATHOM TECHNOCRATS, Hosur**

**Activity: Students arrival & Training Inaugural at Fathom, Hosur.**



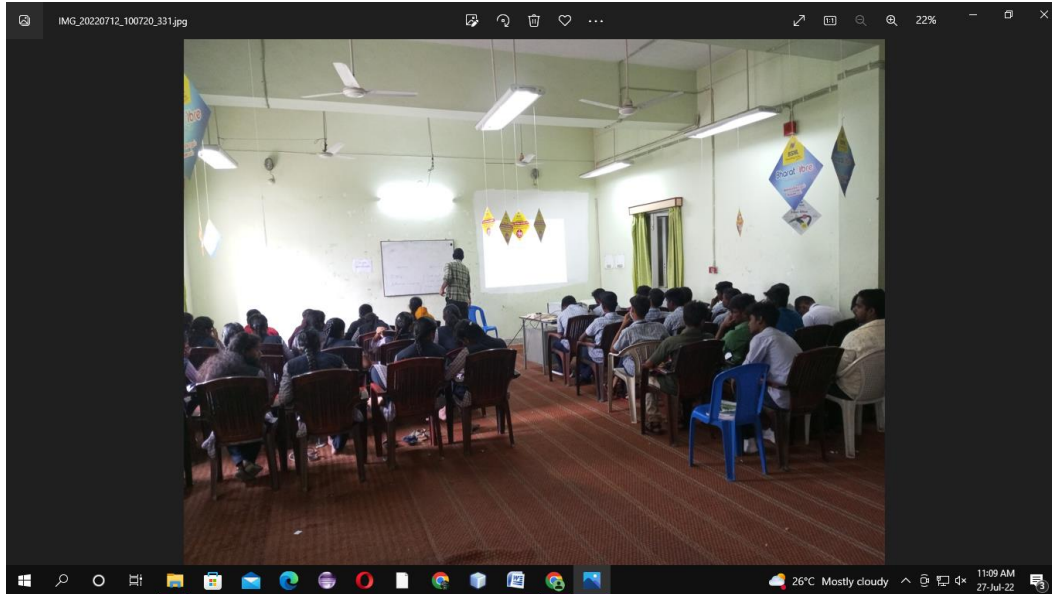
**Description:** The mapped students are arrived at FATHOM TECHNOCRATS, Hosur and the training inauguration was started by FATHOM TECH officials on 01-07-2022.

## DAY 2 ACTIVITY

**Date:** 02.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on OFC, TIR, Transmission media, Diod, Fibers.



**Description:.** When a light ray travels from a denser medium to a rarer medium, with an angle of light incidence more as compared to a critical angle then the incident ray gets reflected back to the same medium. This phenomenon is called Total Internal Reflection. It is abbreviated as **TIR**.

**DATE: 02.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Theoretical session about java Programming (Basics)**



**Description:** The theoretical idea given by the developer and taught about paradigm of programming languages, programming basics and also taught about object-oriented concepts.



**Date:** 02.07.2022

**Venue:** FATHOM TECHNOCRATS, Hosur

**Activity:** General activity and Team development activity



**Description:** General activity and Team development activity

### DAY 3 ACTIVITY

**Date:** 04.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on Antenna, EM Waves Basic of Frequency VAS.



### Theoretical Session on RTI



**Description:** The theoretical ideas are given by the professionals to our students on the topic of Antenna, EM Waves Basic of Frequency VAS. An antenna is a specialized [transducer](#) that converts radio-frequency (RF) fields into alternating current (AC) or vice-versa. There are two basic types: the receiving antenna, which intercepts RF energy and delivers AC to electronic equipment, and the transmitting antenna, which is fed with AC from electronic equipment and generates an RF field.

**DATE: 04.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Theoretical session about java Programming (Basics)**

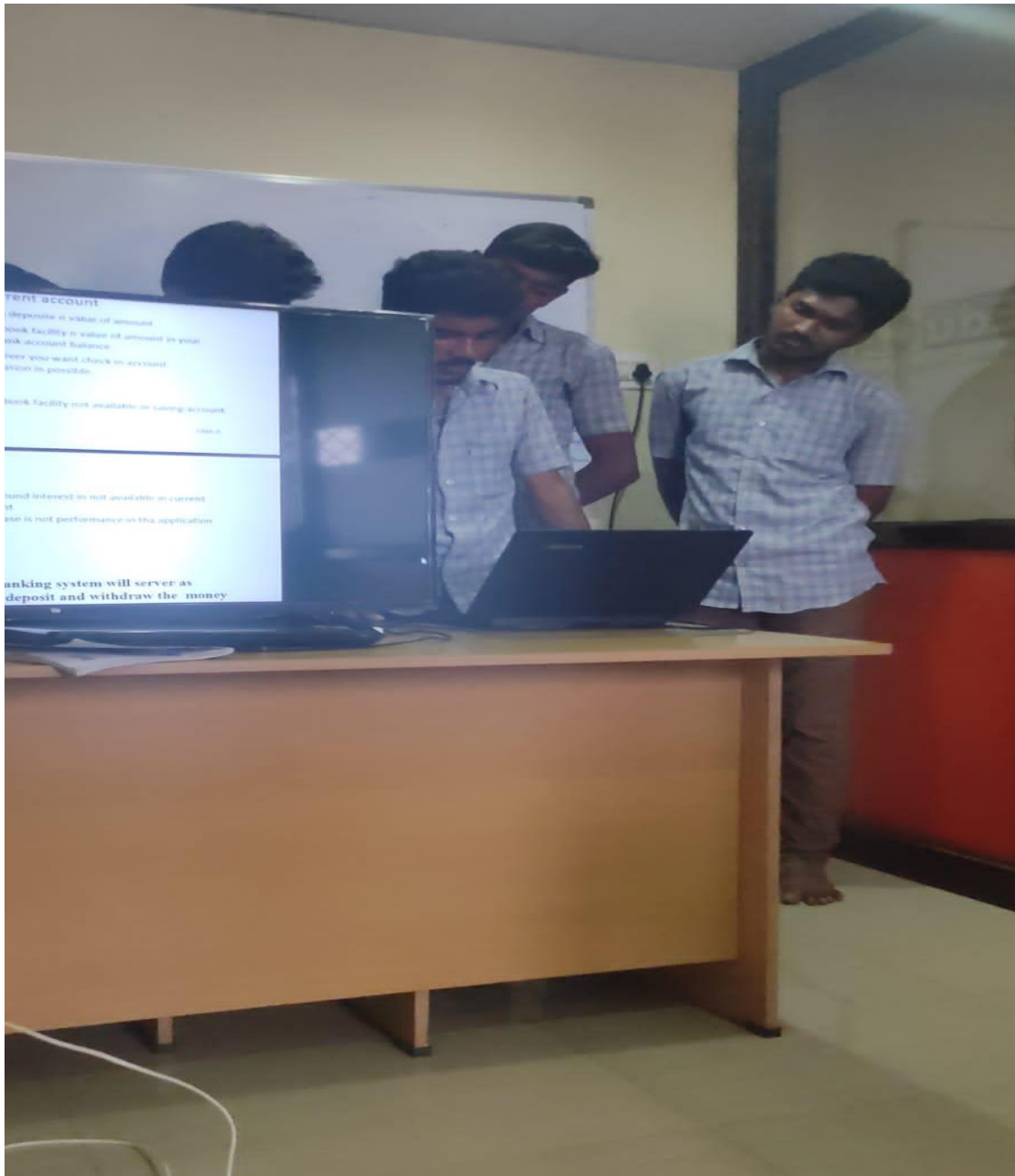


**Description:** The theoretical idea given by the developer and taught about Java Usage, Java History and simple programs.

**Date:** 04.07.2022

**Venue:** FATHOM TECHNOCRATS

**Activity:** modular programs and part of the function, pre-processor, C compilation modular macro with or without arguments



**Description:** The theoretical ideas are given by the professionals to our students on the topic of Antenna, EM Waves Basic of Frequency VAS.

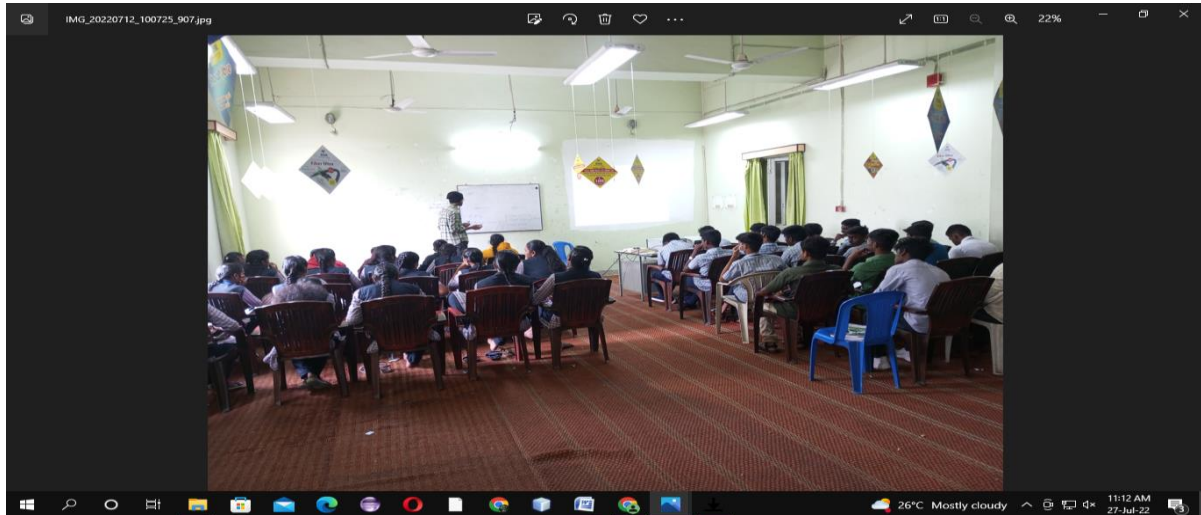


## DAY 4 ACTIVITY

**Date:** 05.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on RTI, Introduction to broadband.



**Description:** The theoretical ideas are given by the professionals to our students on the topic of RTI, Introduction to broadband. Broadband networks provide a medium capable of quickly delivering information, communications and entertainment (“ICE”). High speed wired and wireless networks can transmit digital bits making it even possible for instantaneous delivery of capacity intensive applications such as full motion video like that seen on broadcast, cable and satellite television channels. Prior generations of narrowband networks could not deliver such content, because they had available limited amount of channel capacity, also known as bandwidth. Such narrowband channels only could handle slow speed services, such as electronic mail, because of limited available radio spectrum, or closed circuit capacity, typically measured in cycles per second, or Hertz (“Hz”) Reliable voice and music delivery. Narrowband lines created a backlog of traffic commonly termed a bottleneck. The inability to provide timely delivery of traffic resulted in congestion.

**DATE: 05.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Basic Computers**



**Description:** The theoretical and practical idea given by the developer and taught about Basic Computer and Operating System, Hardware measurement and Hard Disk.

**Date: 05.07.2022**

**Venue: FATHOM TECHNOCRATS**

**Activity:** Theoretical session on storage class of basic of array and passing array to functions.



**Description:** The theoretical ideas are given by the professionals to our students on the topic of Storage class of basic of array and passing array to function.

## DAY 5 ACTIVITY

**Date:** 06.07.2022

**Venue:** BSNL, Hosur

**Activity:** Practical Session at Customer Service Point, Hosur.



**Description:** The Practical demonstrations are given by the professionals to our students at BSNL Customer Service Centre, Hosur.



**DATE: 06.07.2022**

**Venue: Mikrosun**

**Technology, Salem**  
**Activity: Theoretical cum Practical Class**



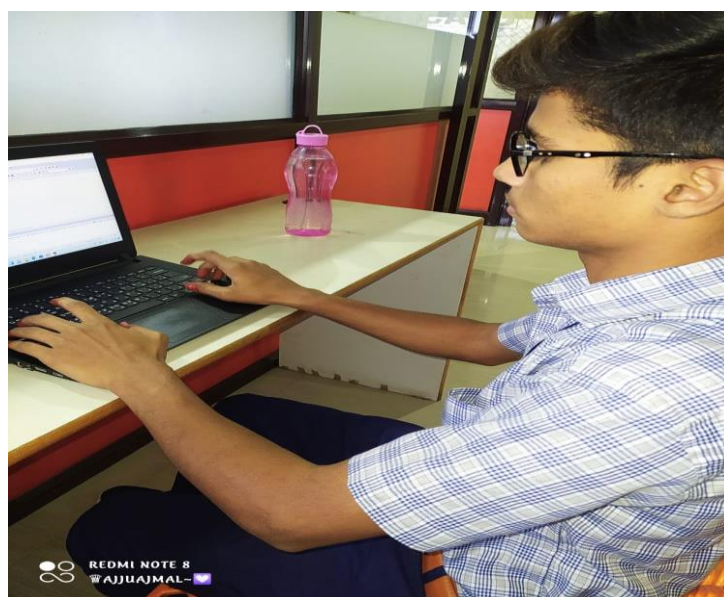
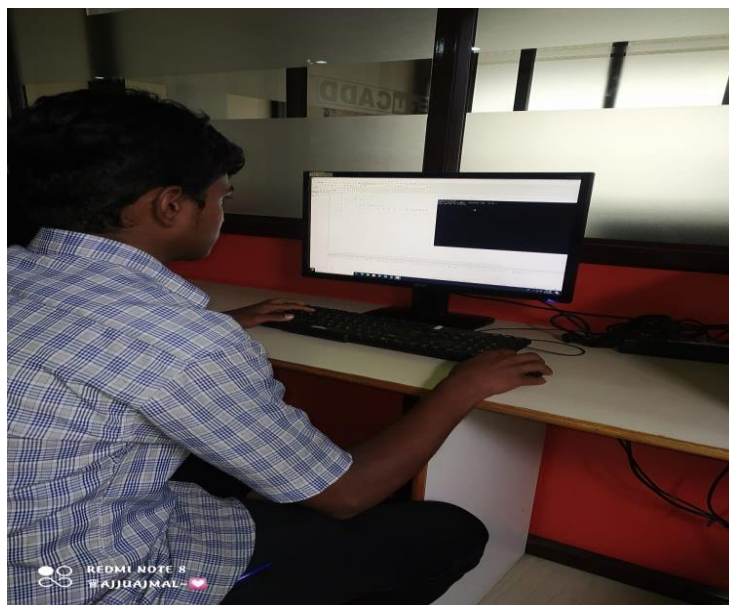
**Description:** The theoretical and practical idea given by the developer about Command in java Program, types of data types(primitive and non-primitive) and sample programs.



**Date:** 06.07.2022

**Venue:** FATHOM TECHNOCRATS,Hosur

**Activity:** Practical Session at Programs practices



**Description:** The Practical demonstrations are given by the professionals to our students at FATHOM TECHNOCRATS, Hosur.

## DAY 6 ACTIVITY

**Date:** 07.07.2022

**Venue:** BSNL, Hosur

**Activity:** Practical Session on Optical Fiber Communication.



**Description:** The Practical demonstrations are given by the professionals to our students on the topic of Optical Fiber Communication. Fiber-optic communication is **a method of transmitting information from one place to another by sending pulses of infrared light through an optical fiber**. The light is a form of carrier wave that is modulated to carry information.

**DATE: 07.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity:** The theoretical and practical idea given by the developer about Operators with example Programming. Students Discuss together to write program.

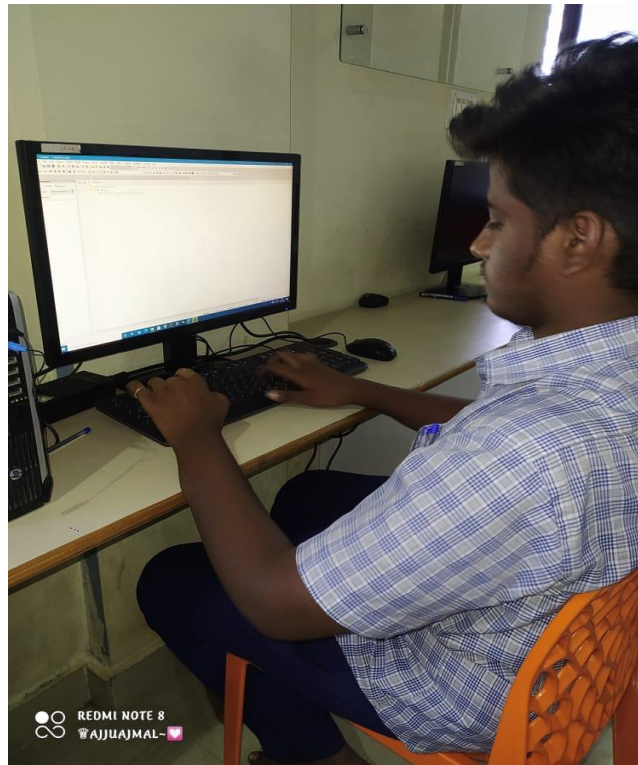


**Description:** The theoretical and practical idea given by the developer about Operators with example Programming. Students Discuss together to write program.

**Date:** 07.07.2022

**Venue:** FATHOM TECHNOCRATS,Hosur

**Activity:** Practical Session on structure, union, typedef and dynamic memory allocation



**Description:** The Practical demonstrations are given by the professionals to our students on the C programming topics.



## DAY 7ACTIVITY

**Date:** 8.07.2022

**Venue:** BSNL, Hosur

**Activity:** Practical Session on Base Station Configuration



## Live Session on Base Station Configuration



**Description:** The live session about Base Station Configuration was taught to our Students on 11.07.2022. A base station is a fixed communications location and is part of a network's wireless telephone system. It relays information to and from a transmitting/receiving unit, such as a mobile phone. Often referred to as a cell site, a base station allows mobile phones to work within a local area, as long as it is linked to a mobile or wireless service provider.

**DATE: 08.07.2022**

**Venue: Mikrosun Technology,**

**Salem Activity: Theoretical Class**

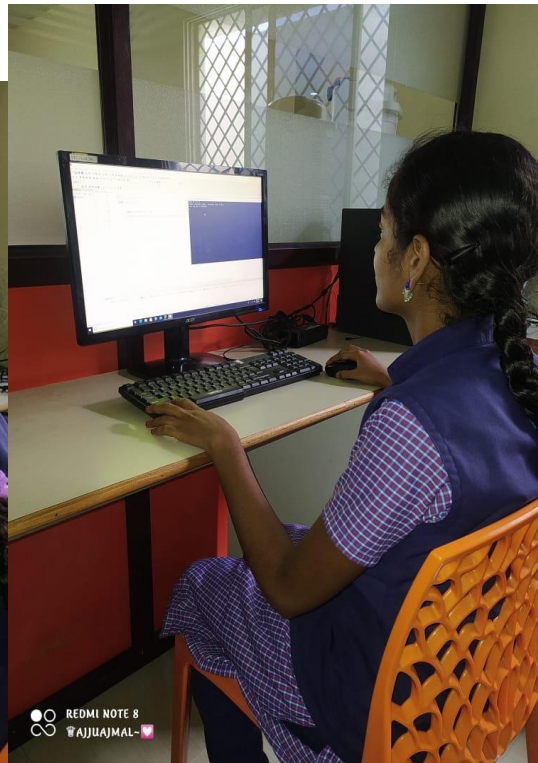
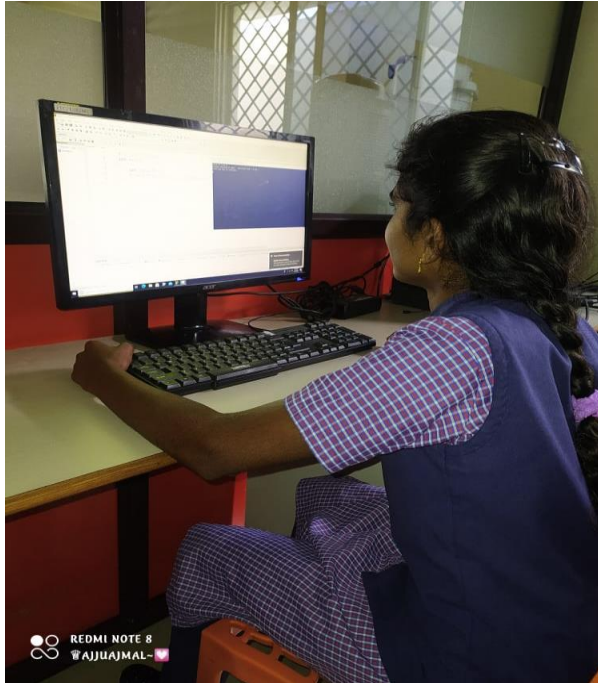


**Description:** The theoretical and practical idea given by the developer about Decision Making and Branching Statement, Switch Statement. Students learned from trainer how to work switch and condition statement. And they learned while and do While statement and its difference.

**Date:** 8.07.2022

**Venue:** FATHOM TECHNOCRAT'S, Hosur

**Activity:** Practical Session on C programming



**Description:** The live session about program execution was taught to our Students

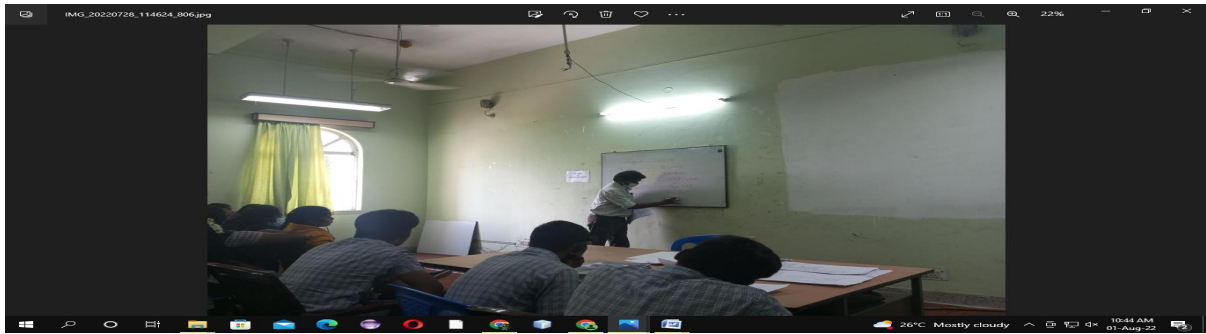


## DAY 9 ACTIVITIES

**Date:** 11.07.2022

**Venue:** BSNL, Hosur

**Activity:** Practical Session on FTTH Modam Configuration.



**Description:** The live session about FTTH Modam Configuration was taught to our

Students on 11.07.2022 FTTH includes fiber-optic access solutions designed for residential deployments. In FTTH networks, fibers are directly connected to individual homes or multitenant buildings. FTTH includes various flavors of both PONs and PTP Ethernet-based solutions. Fiber-to-the-node (FTTN) solutions where fibers are not installed all the way to the residential premises are not included in the FTTH segment.



**DATE: 11.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Theoretical cum Practical Class**



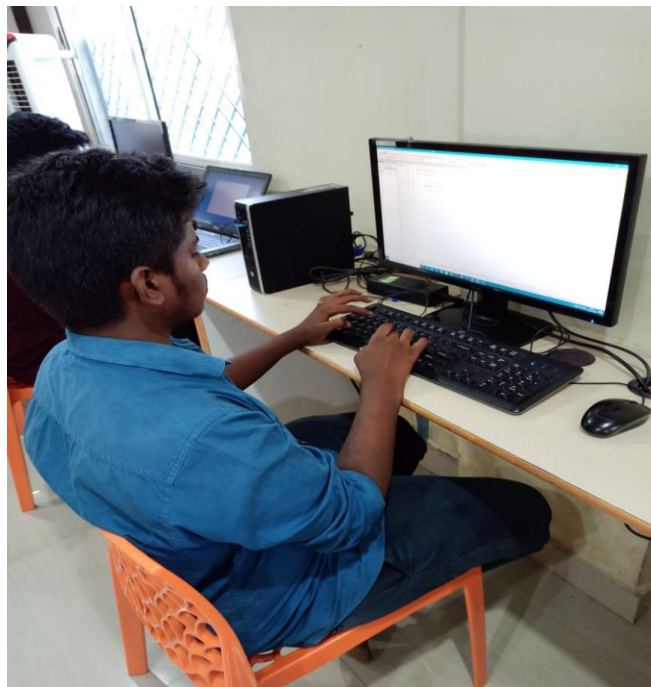
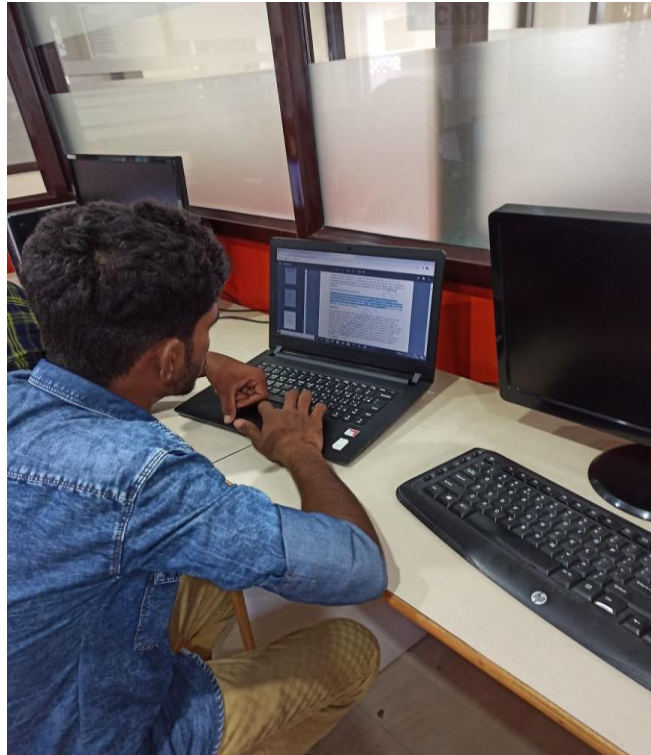
**Description:** The theoretical and practical idea given by the developer about All the Basic Program and its concept And individually run their assigned task

**Date:** 11.07.2022

**Venue:** FATHOM TECHNOCRATS,

Hosur

**Activity:** Theoretical session on C++



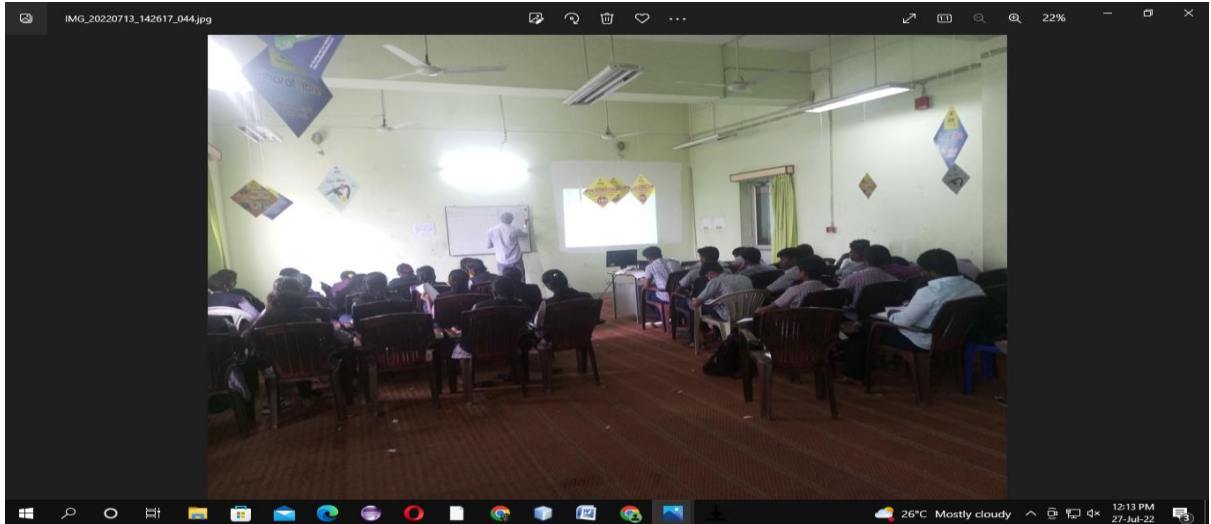
**Description:** The theoretical ideas are given by the professionals to our students on the topic DMA, friend function, THIS pointer, constructor and destructor.

## DAY 10 ACTIVITY

**Date:** 12.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on IPV4 , Intro IP address, Intro for network

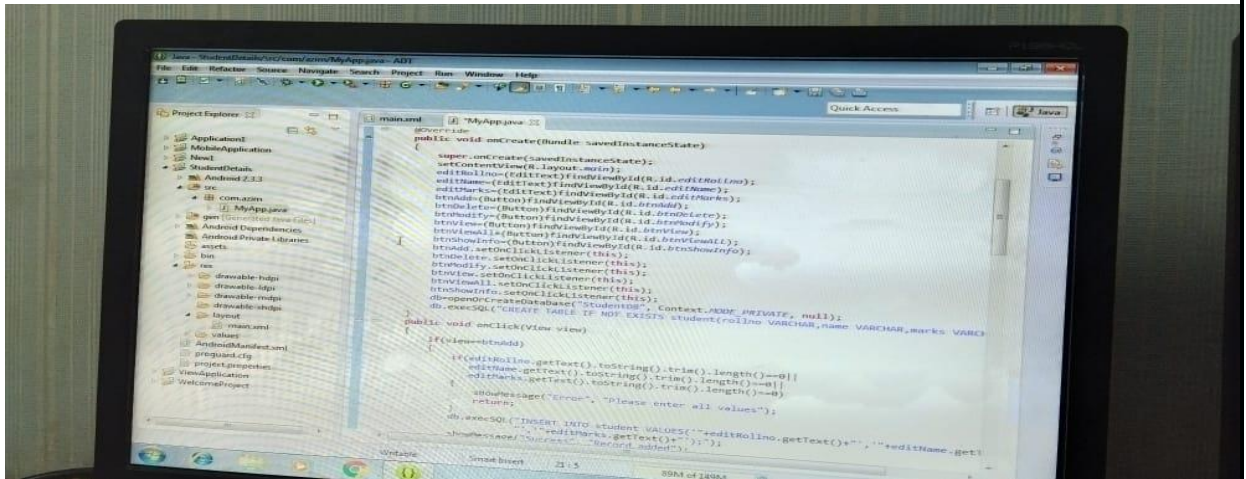


**Description:** The theoretical ideas are given by the professionals to our students on the topic on IPV4, Intro IP address, Intro for network. **IP** stands for **Internet Protocol** and **v4** stands for **Version Four** (IPv4). IPv4 was the primary version brought into action for production within the ARPANET in 1983. IP version four addresses are 32-bit integers which will be expressed in decimal form. Example- 192.0.2.126 could be an IPv4 address.

**DATE: 12.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Simple Project.**



**Description:** The theoretical and practical idea given by the developer about Array concept and Students Trying to create Mark sheet Project using before theory and Practical Classes.



**Date:** 12.07.2022

**Venue:** FATHOM TECHNOCRATS, Hosur

**Activity:** Live Demo on C++



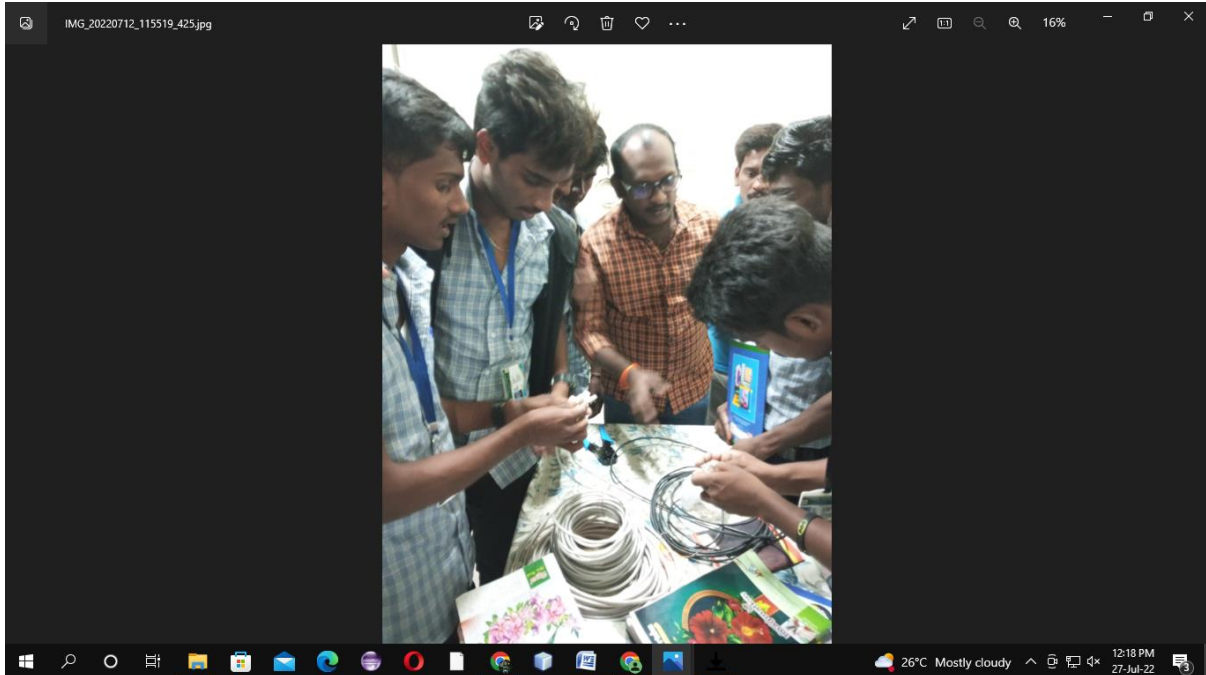
**Description:** The live session about operator overloading, static keywords in C++ and inheritance

## DAY 11 ACTIVITY

**Date:** 13.07.2022

**Venue:** BSNL, Hosur

**Activity:** Practical Session on IPV4 and IPV6 Routing Protocol Routing architecture.



**Description:** The Practical demonstrations are given by the professionals to our students on the topic of IPV4 and IPV6 Routing Protocol Routing architecture. In the IT or Telecommunications industry, **Routing Protocols** is defined as an attribute of any routing process to communicate with each other, in order to distribute information that enables them to select different routes between nodes on a computer network environment.

In general, routers perform the traffic directing functions on the Internet. Firstly, data packets are forwarded through the networks on the internet from router to router until they reach their destination terminal computer. Based on [Routing algorithms](#), they determine the specific choice of routing (path).

**DATE: 13.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Theoretical**



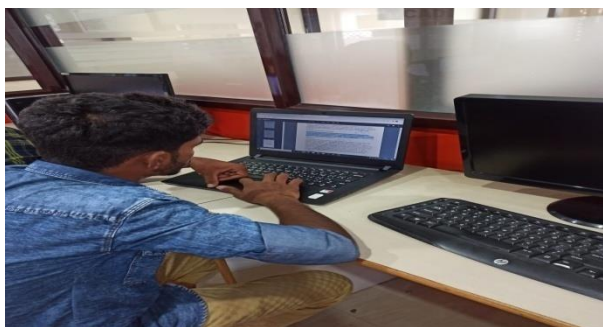
**Description:** The theoretical and practical idea given by the developer about Object Oriented Programming Concepts and detailed explanation about the class, Object and inheritance with the example program.

**Date: 13.07.2022**

**Venue: FATHOM**

TECHNOCRATS, Hosur

**Activity: Theoretical session on C++**



**Description:** Theoretical session in upcasting, downcasting, virtual function and late binding.

## DAY 12 ACTIVITY

**Date:** 14.07.2022

**Venue:** BSNL, Hosur

**Activity:** Practical Session on Calles WAN-Routing Protocol Subnetting MPLS.



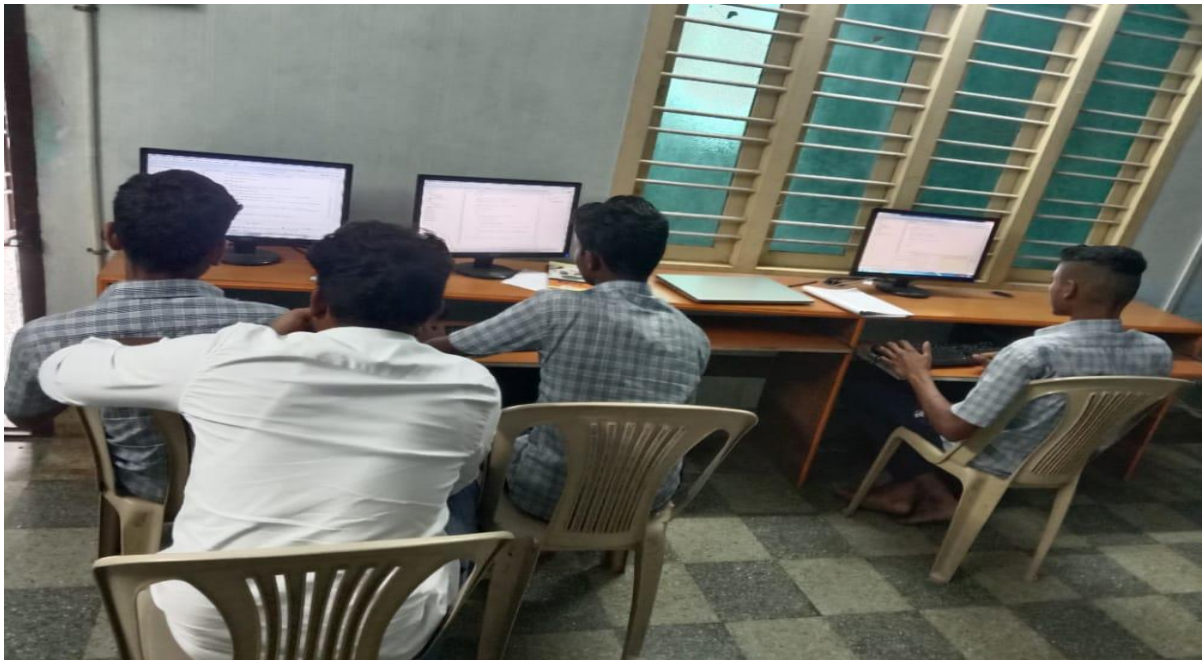
**Description:** The Practical demonstrations are given by the professionals to our students on the topic of Calles WAN-Routing Protocol Subnetting MPLS. A **routing protocol** specifies how [routers](#) communicate with each other to distribute information that enables them to select routes between [nodes](#) on a [computer network](#). Routers perform the traffic directing functions on the Internet; [data packets](#) are forwarded through the networks of the internet from router to router until they reach their destination computer. [Routing](#) algorithms determine the specific choice of route. Each router has a prior knowledge only of networks attached to it directly. A routing protocol shares this information first among immediate neighbors, and then throughout the network .



**DATE: 14.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: About Database**

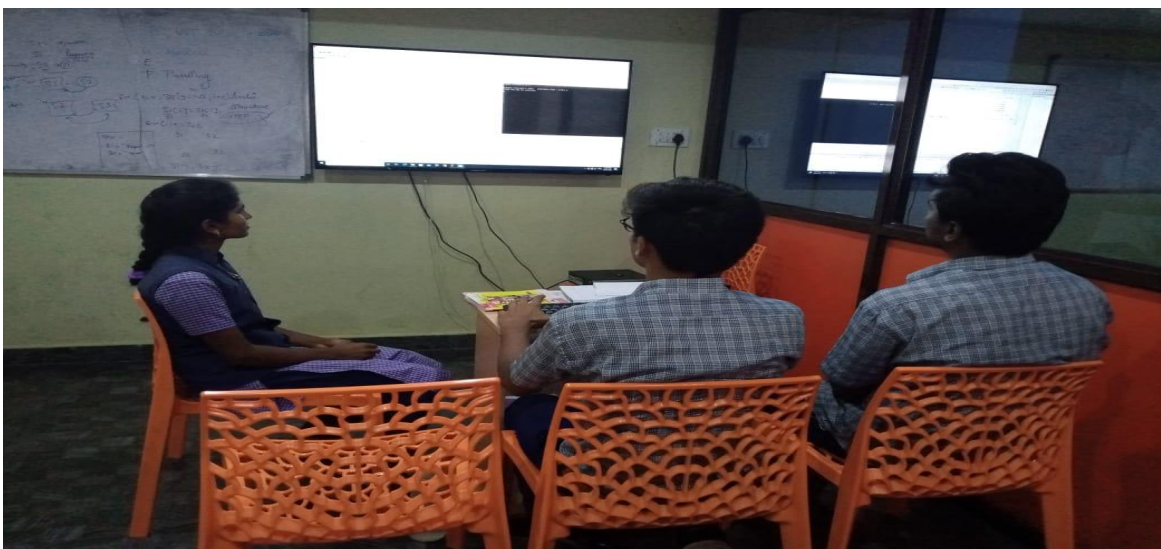


**Description:** The theoretical and practical idea given by the developer about Data Base Design and Backend Connect with the Project. Trainer help to the students when they were struggled to create Database.

**Date: 14.07.2022**

**Venue: FATHOM TECHNOCRATS, Hosur**

**Activity: Lab practice in C++**



**Description:** object slicing, pure virtual function and templates.

## DAY 13 ACTIVITY

**Date:** 15.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on MPLS IP Assignment and NAT



**Description:** The theoretical ideas are given by the professionals to our students on the topic on MPLS IP Assignment and NAT . Multiprotocol Label Switching (MPLS) is data forwarding technology that increases the speed and controls the flow of network traffic. With MPLS, data is directed through a path via labels instead of requiring complex lookups in a routing table at every stop. Scalable and protocol independent, this technique works with Internet Protocol (IP) and Asynchronous Transport Mode (ATM). When data enters a traditional IP network, it moves among network nodes based on long network addresses. With this method, each router on which a data packet lands must make its own decision, based on routing tables, about the packet's next stop on the network. MPLS, on the other hand, assigns a label to each packet to send it along a predetermined path.

**DATE: 15.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Database Connectivity**

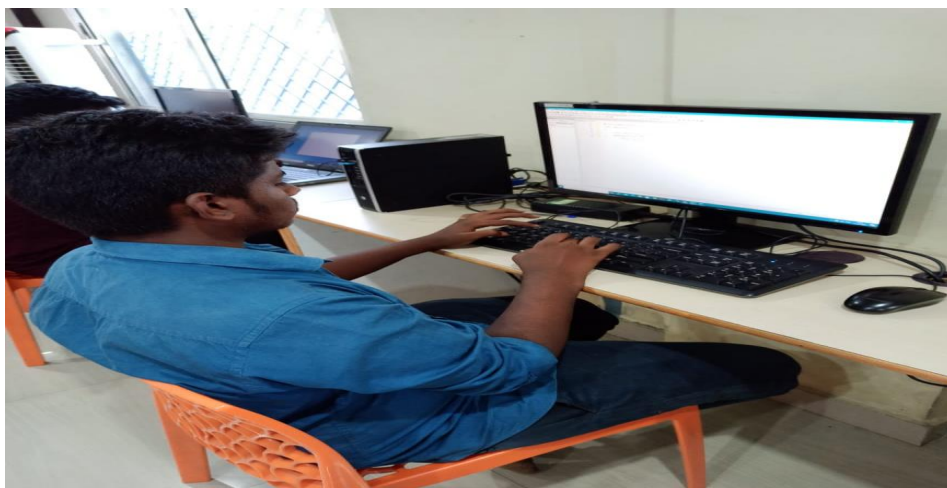


**Description:** The theoretical and practical idea given by the developer about Backend Connectivity with the Project. Trainer help to the students when they were struggled to create Database and connect with the project. Finally Students were understood how to create and connect Database.

**Date: 15.07.2022**

**Venue: FATHOM Technology, Hosur**

**Activity: practical Session in C++**



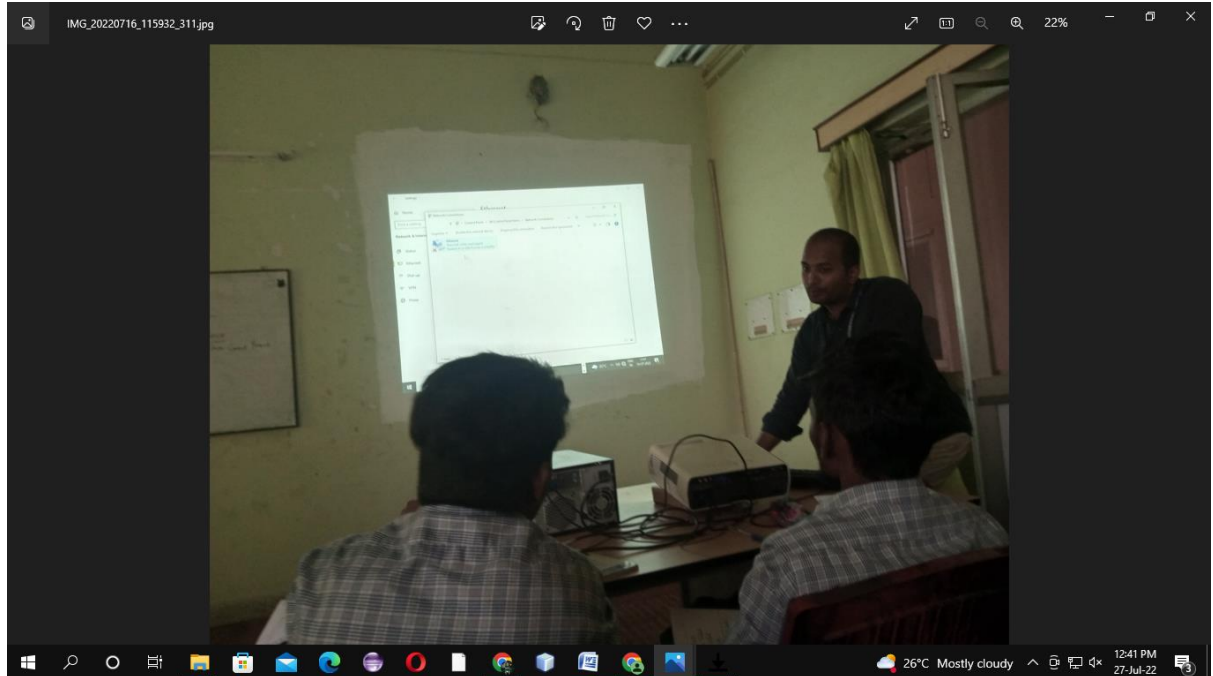
**Description:** Study about Reference variable, types of inheritance, name mangling.

## DAY 14 ACTIVITY

**Date:** 16.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on ARP, RARP, and DNS, DHCP, ICMP



**Description:** The theoretical ideas are given by the professionals to our students on the topic on ARP, RARP, and DNS, DHCP, ICMP. stands for "Address Resolution Protocol." ARP is a [protocol](#) used for mapping an [IP address](#) to a computer connected to a local network [LAN](#). Since each computer has a unique physical address called a [MAC address](#), the ARP converts the IP address to the MAC address. This ensures each computer has a unique network identification.



**DATE: 16.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: About Database**



**Description:** The theoretical and practical idea given by the developer about Overall data insert method and database connection, validation database and form tools.

**Date: 16.07.2022**

**Venue: FATHOM TECHNOCRATS, Hosur**

**Activity:** Explain Topics on C++



**Description:** Explain about operator overloading using member function and friend function and its example programs.

## DAY 15 ACTIVITY

**Date:** 18.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on IP Address Subnetting, CIDR Internet Services VOIP

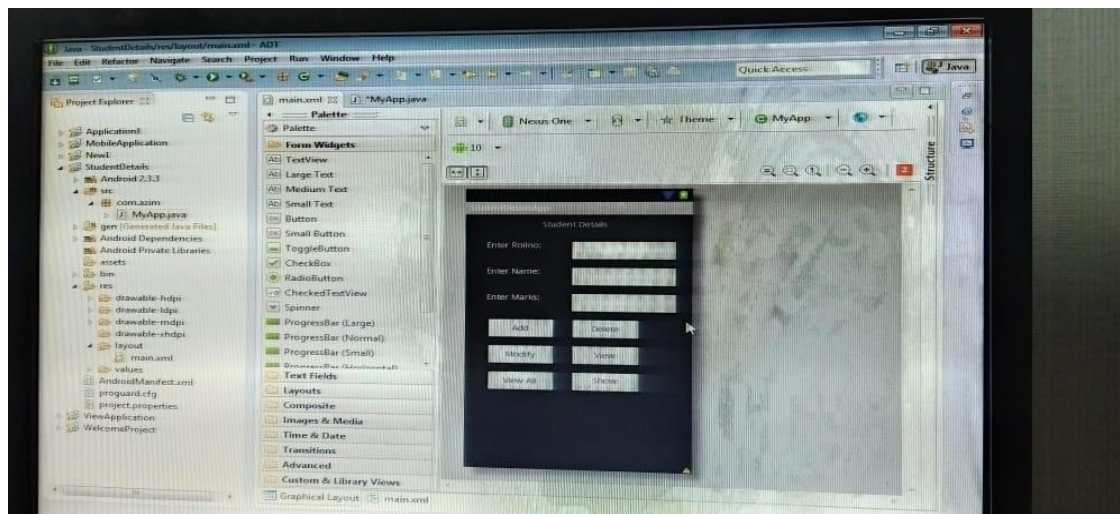


**Description:** The theoretical ideas are given by the professionals to our students on the topic on Address Subnetting, CIDR Internet Services VOIP . Classless Inter-Domain Routing (CIDR), also called supernetting, is a way to more flexibly allocate Internet Protocol (IP) addresses by creating unique and more granular identifiers for networks and individual devices. It was introduced in 1993 as an alternative to Internet routers that managed network traffic based on the class of IP addresses and determined subnetworks, for routing, based on IP address class.

**DATE: 18.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: About Database**



**Description:** The theoretical and practical idea given by the developer about Overall data insert method and database connection, validation database and form tools.

**Date: 18.07.2022**

**Venue: FATHOM TECHNOCRATS, Hosur**

**Activity: Assessment test**



**Description:** Assessment test in C programming and C++.

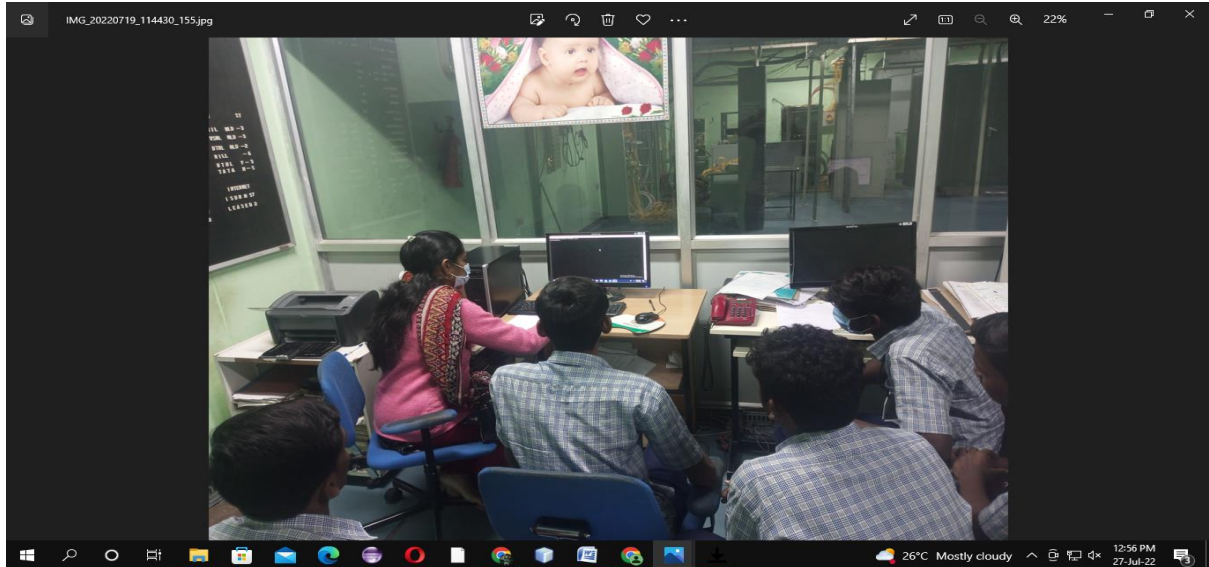


## DAY 16 ACTIVITY

**Date:** 19.07.2022

**Venue:** BSNL, Hosur

**Activity:** Practical Session on IP address Trouble Shoot and Next Generation Network.



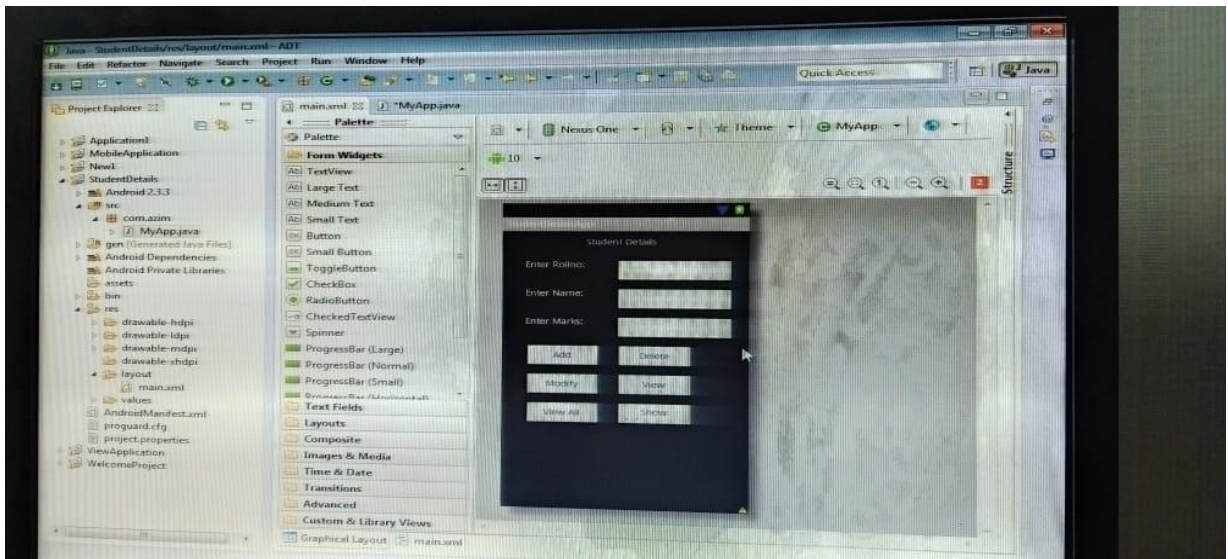
**Description:** The Practical demonstrations are given by the professionals to our students on the topic of IP address Trouble Shoot and Next Generation Network. An **IP address** (Internet Protocol address) is a unique number that devices use in order to identify and communicate with each other on a network utilizing the Internet Protocol standard. For example, your computer has a unique IP address on ResNet. It is obtained during the ResNet Registration Process. If you're having problems connecting to the internet at Carleton, an easy thing to check is whether or not your machine has an IP address. If it doesn't, it will not be able to use any of the network services (Internet, E-mail, network drives).



**DATE: 19.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: About Database**

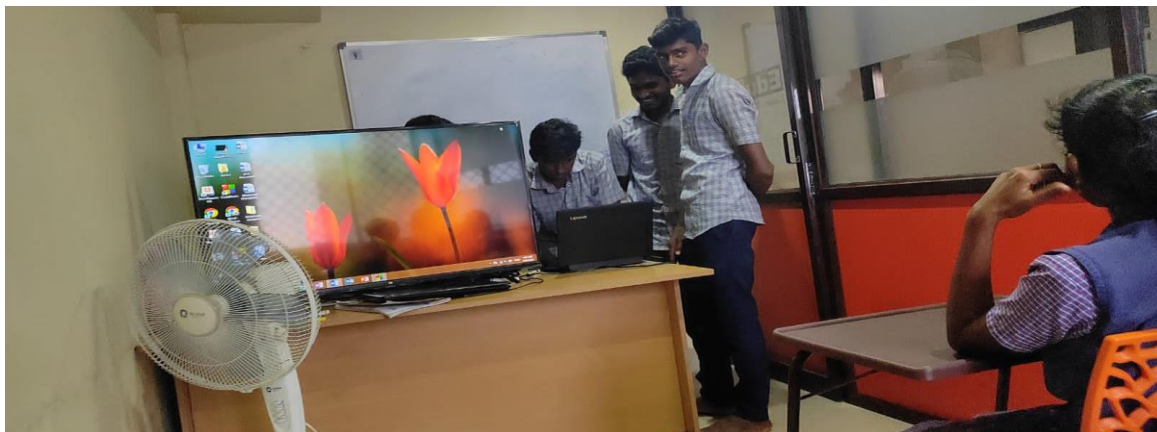


**Description: :** The theoretical and practical idea given by the developer about Overall data insert method and database connection, validation database and form tools.

**Date: 19.07.2022**

**Venue: FATHOM TECHNOCRATS, Hosur**

**Activity: Project discussion and project demo**



**Description:** Project technical discussion in Train Reservation Ticket and Jio Bank.

## DAY 17 ACTIVITY

**Date:** 20.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on OFC ,VSAT, COPPER Coaxial Cable Modelation.



**Description:** The theoretical ideas are given by the professionals to our students on the topic on OFC ,VSAT, COPPER Coaxial Cable Modelation. A **very small aperture terminal (VSAT)** is a small-sized earth station used in the transmit/receive of data, voice and video signals over a satellite communication network, excluding broadcast television. A VSAT consists of two parts: a transceiver placed outdoors in direct line of sight to the satellite, and a device that is placed indoors to interface the transceiver with the end user's communications device, such as a PC. The transceiver receives or sends a signal to a satellite transponder in the sky. The satellite sends and receives signals from a ground station computer that acts as a hub for the system.

**DATE: 20.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: About Database**



**Description:** :The theoretical and practical idea given by the developer about Overall data insert method and database connection, validation database and form tools.

**Date: 20.07.2022**

**Venue: FATHOM TECHNOCRATS, Hosur**

**Activity: Assessment Review**



**Description:** Assessment review in C programming and C++.

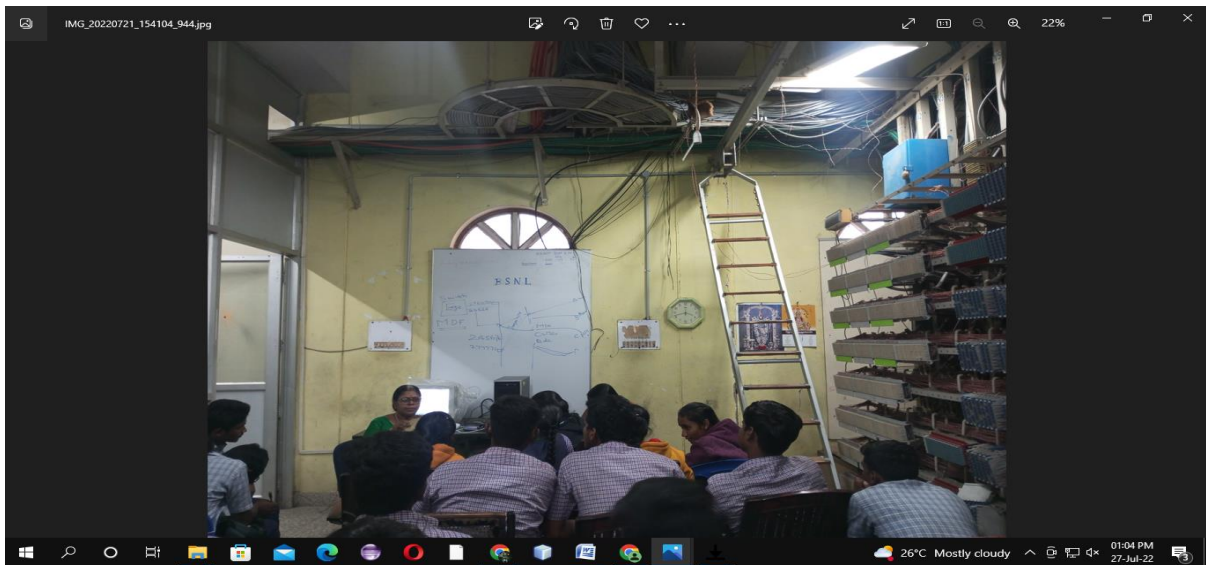


## DAY 18 ACTIVITY

**Date:** 21.07.2022

**Venue:** BSNL, Hosur

**Activity:** Practical Session on Sim Activation Practical MDF-CRM



**Description:** The Practical demonstrations are given by the professionals to our students on the topic of Sim Activation Practical MDF-CRM. [Customer relationship management \(CRM\)](#) is a technology for managing all your company's relationships and interactions with customers and potential customers. The goal is simple: Improve business relationships. A CRM system helps companies stay connected to customers, streamline processes, and improve profitability. When people talk about CRM, they are usually referring to a CRM system, a tool that helps with contact management, sales management, productivity, and more. A CRM solution helps you focus on your organisation's relationships with individual people — including customers, service users, colleagues, or suppliers — throughout your lifecycle with them, including finding new customers, winning their business, and providing support and additional services throughout the relationship.

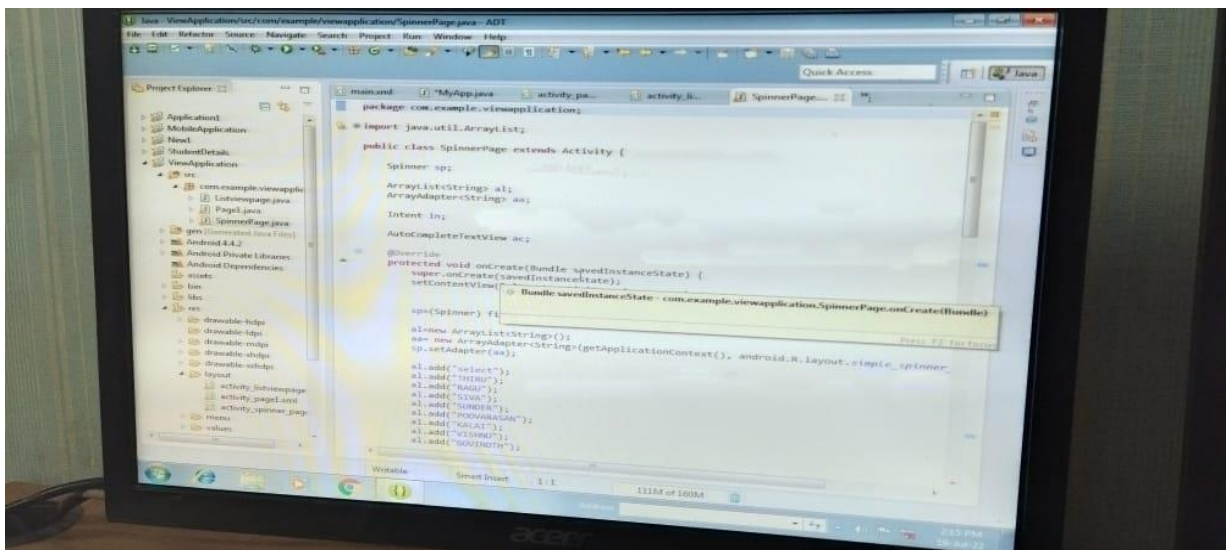
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**DATE: 21.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Testing**



**Description:** Students Came to know about two stages about testing input and database query and report generation

**Date:** 21.07.2022

**Venue:** FATHOM TECHNOCRATS, Hosur

**Activity:** Project Explanation



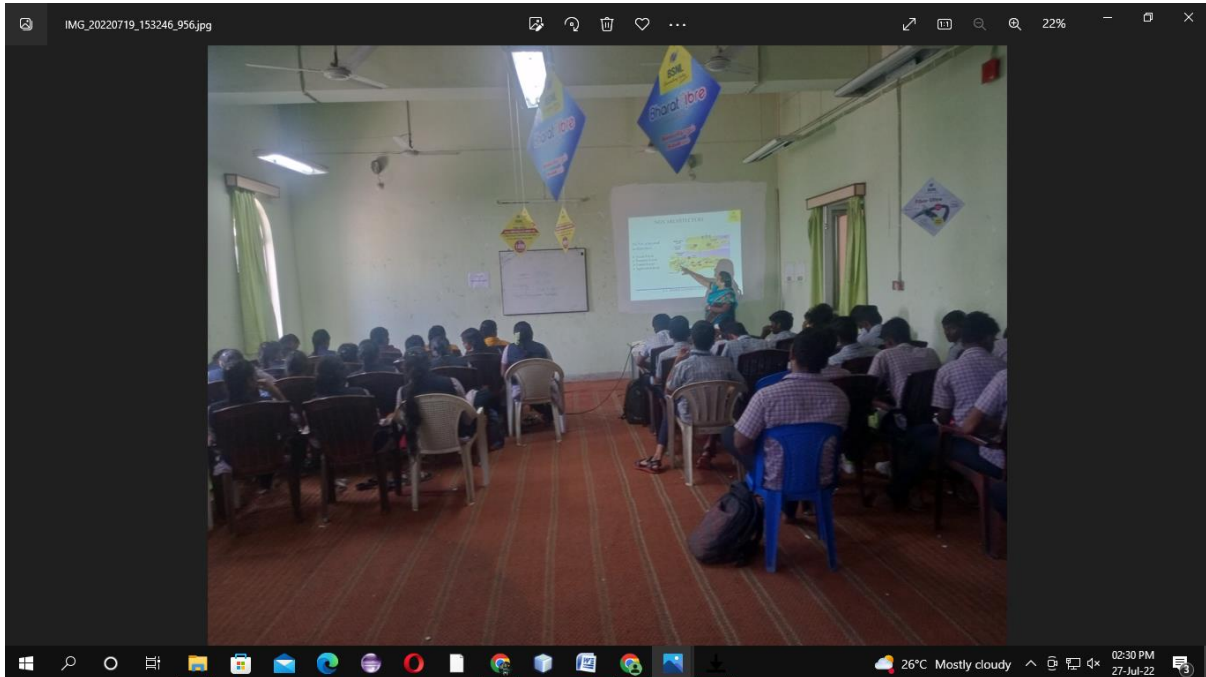
**Description:** practically explain projects in our students.

## DAY 19 ACTIVITY

**Date:** 22.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on Interview Skill VOIP Protocol ,SDN



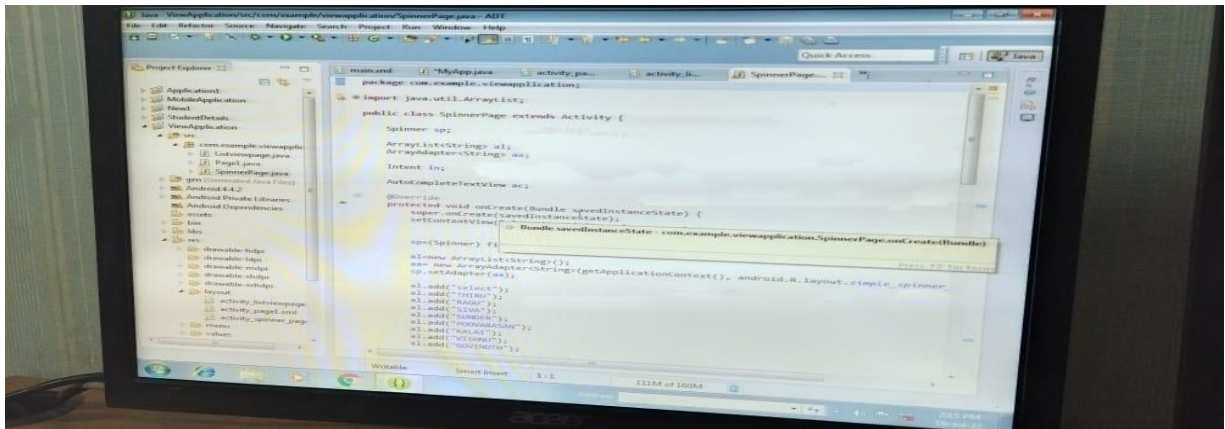
**Description:** The theoretical ideas are given by the professionals to our students on the topic on Interview Skill VOIP Protocol ,SDN. Voice over Internet Protocol (VoIP), is a technology that allows you to make voice calls using a broadband Internet connection instead of a regular (or analog) phone line. Some VoIP services may only allow you to call other people using the same service, but others may allow you to call anyone who has a telephone number - including local, long distance, mobile, and international numbers. Also, while some VoIP services only work over your computer or a special VoIP phone, other services allow you to use a traditional phone connected to a VoIP adapter.



**DATE: 22.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Testing**



**Description:** Students Came to know about two stages about testing input and database query and report generation



**Date:** 22.07.2022

**Venue:** FATHOM TECHNOCRATS, Hosur

**Activity:** C programming and C++ Topics documentation & project discussion



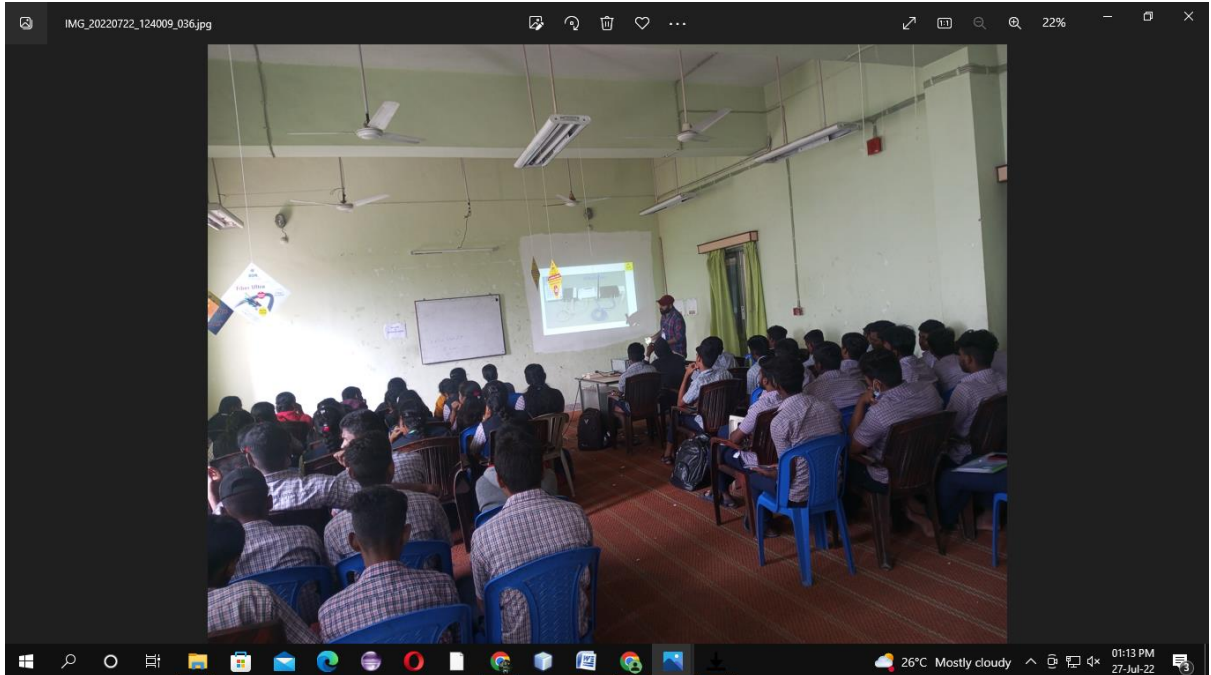
**Description:** Prepare document In C programming and C++, our students

## DAY 20 ACTIVITY

**Date:** 23.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on Switch Room OCLAN equipment, C-Pall Equipment, BTS, OFC, Stream Visited Switch Room.

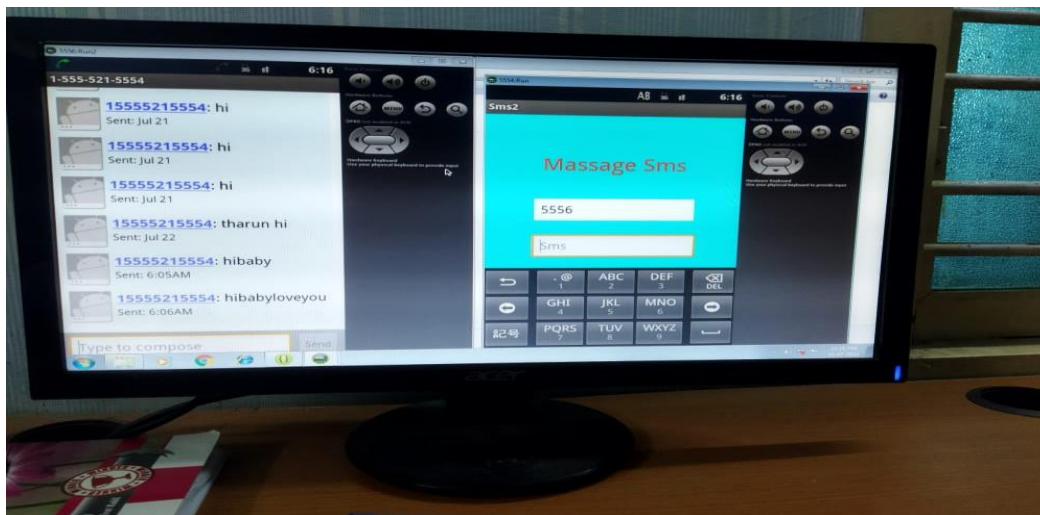
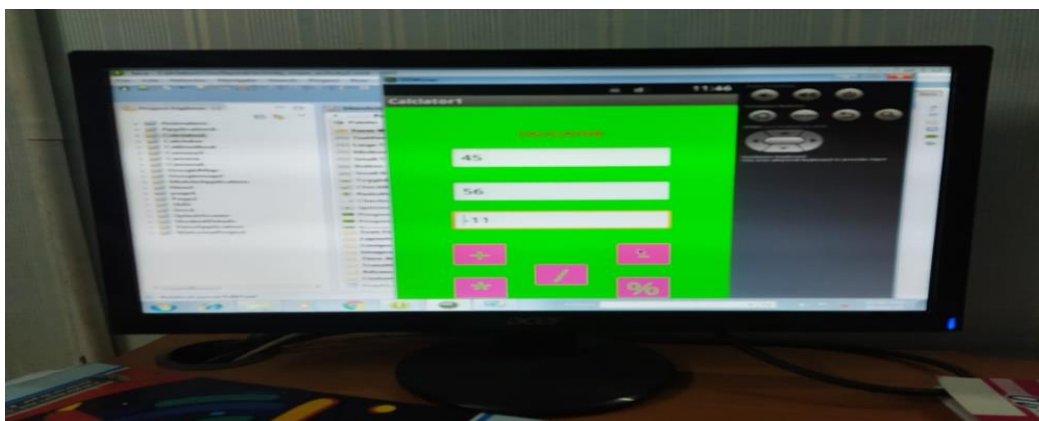
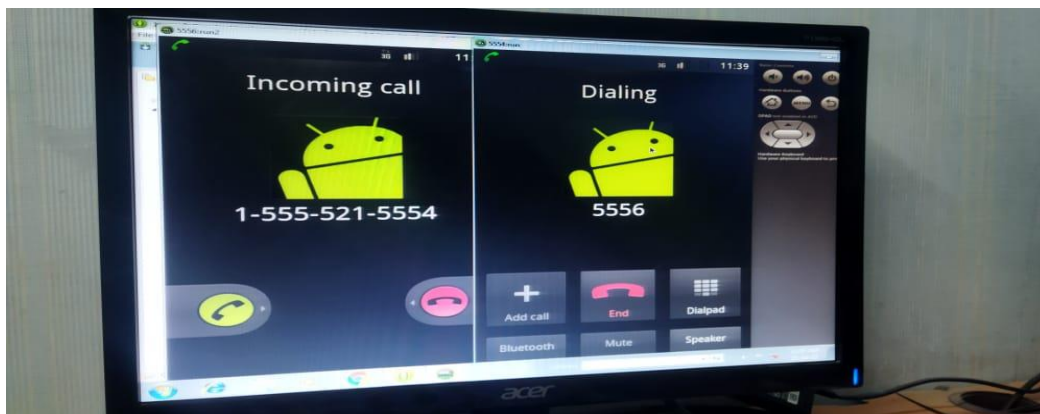


**Description:** The theoretical ideas are given by the professionals to our students on the topic on Switch Room OCLAN equipment, C-Pall Equipment, BTS, OFC, Stream Visited Switch Room. BTS Means "The Bangtan Boys," "BetterthanSex," and "BeThereSoon." the most common meanings for BTS in text-based messaging and chats used to be "Better Than Sex" and "Be There Soon." However, BTS is now more often used to refer to the Korean boy band BTS ("The Bangtan Boys"). Here's more information about each of these meanings of BTS, including examples of use.

**DATE: 23.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Project Completion**



**Description:** Students were completed their own project by their trainer guidance. And individual students came to know their application knowledge.

**Date:** 23.07.2022

**Venue:** FATHOM TECHNOCRATS, Hosur

**Activity:** project review C and C++ Topics documentation



**Description:** project review C and C++ Topics documentation



## DAY 21 ACTIVITY

**Date:** 25.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on Overview of 5G,GMS,GPRS,QOS.



**Description:** The theoretical ideas are given by the professionals to our students on the topic on Overview of 5G,GMS,GPRS,QOS. General Packet Radio Service is a packet-switching technology that enables data transfers through cellular networks. It is used for mobile internet, MMS and other data communications. In theory the speed limit of GPRS is 115 kbps, but in most networks it is around 35 kbps. Informally, GPRS is also called 2.5G.

**DATE: 25.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Project Report Generation**



**Description:** Overall report generation and input output testing idea given by the developer. Finally the students came to know how to generate the project report and test the input/output.

**Date:** 25.07.2022

**Venue:** FATHOM TECHNOCRATS, Hosur

**Activity:** planning on project procedure and flow chart planning on project algorithm advantage and disadvantage.



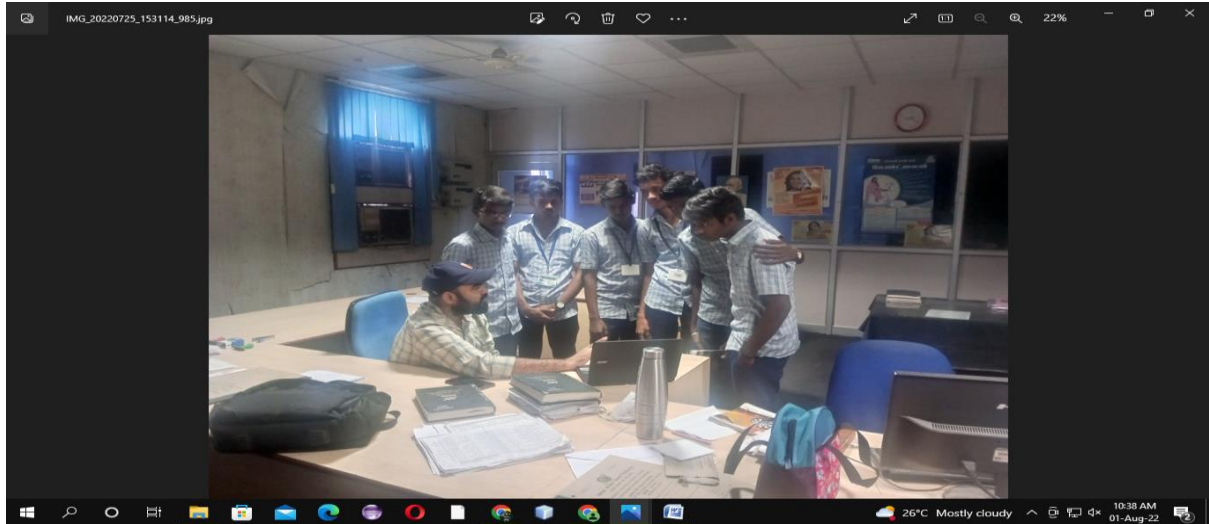
**Description:** planning on project procedure and flow chart planning on project algorithm advantage and disadvantage.

## DAY 22 ACTIVITY

**Date:** 26.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on FMS(FranhaiceManasement),MDF Practical.



**Description:** The theoretical ideas are given by the professionals to our students on the topic on FMS(FranhaiceManasement),MDF Practical.A Flexible Manufacturing System(FMS) is a manufacturing system in which there is a certain degree of flexibility that allows the system to react in the case of changes, whether predicted or unpredicted. Flexibility is the speed at which a system can react to and accommodate change. To be considered flexible, the flexibility must exist during the entire life cycle of a product, from design to manufacturing to distribution. Flexible Manufacturing System is a computer-controlled system that can produce a variety of parts or products in any order, without the time-consuming task of changing machine setups.



**DATE: 26.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Project Report Generation**

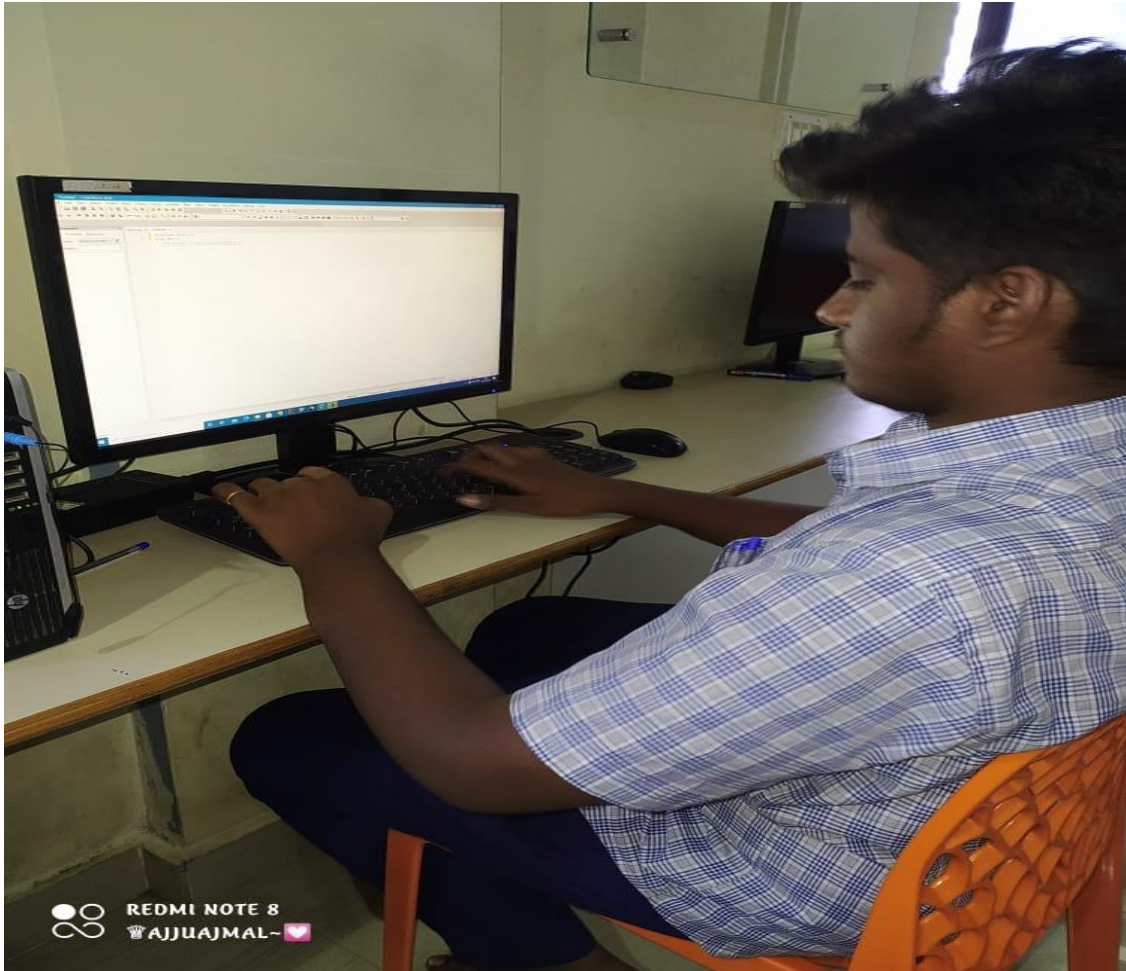


**Description:** Overall report generation and input output testing idea given by the developer. Finally the students came to know how to generate the project report and test the input/output.

**Date:** 26.07.2022

**Venue:** FATHOM TECHNOCRATS, Hosur

**Activity:** project development & Design document preparation



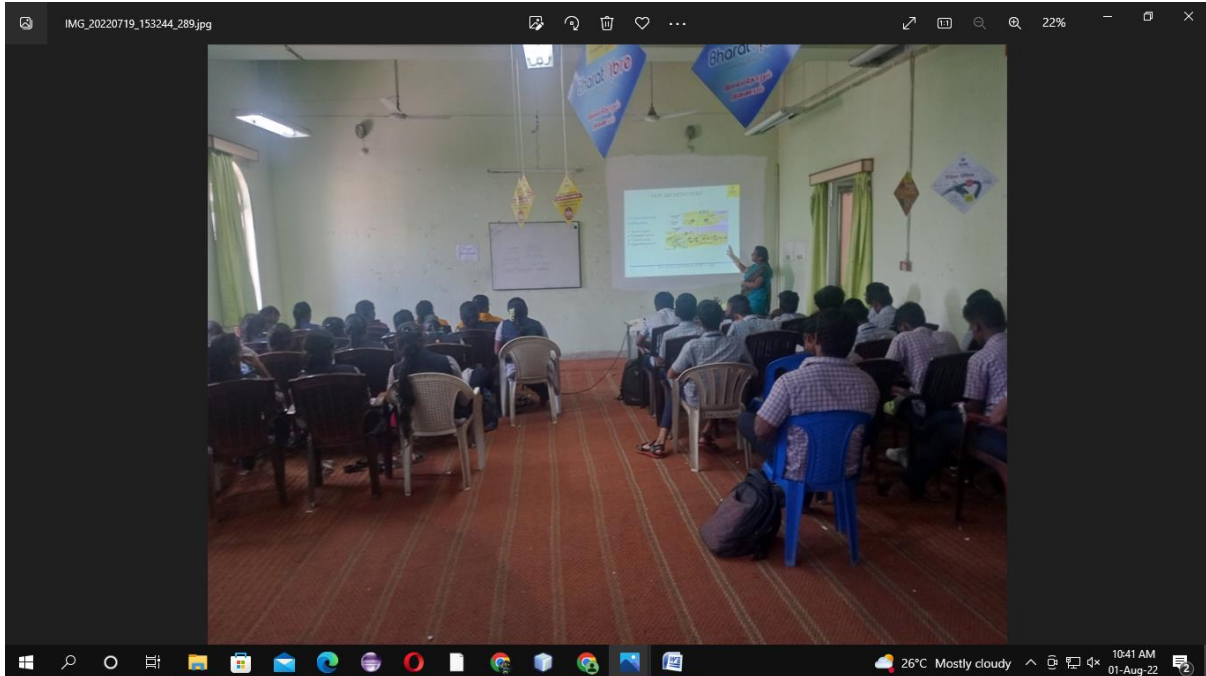
**Description:** project development & Design document preparation

## DAY 23 ACTIVITY

**Date:** 27.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on E/A Engine Alternator.



**Description:** The theoretical ideas are given by the professionals to our students on the topic on E/A Engine Alternator. Alternators are found are front of the engine, driven by the crankshaft. there are different types and designs. The one's with permanent magnet for a magnetic field is known as magneto while alternators in power stations driven by steam turbines are called turbo-alternators. Nevertheless, the primary function of alternators in any mechanical application is for charging their electrical devices.

**DATE: 27.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Project Report Generation**



**Description:** Overall report generation and input output testing idea given by the developer. Finally the students came to know how to generate the project report and test the input/output.

**Date: 27.07.2022**

**Venue: FATHOM TECHNOCRATS,Hosur**

**Activity: project presentation & review on projects**



**Description:** project presentation & review on projects

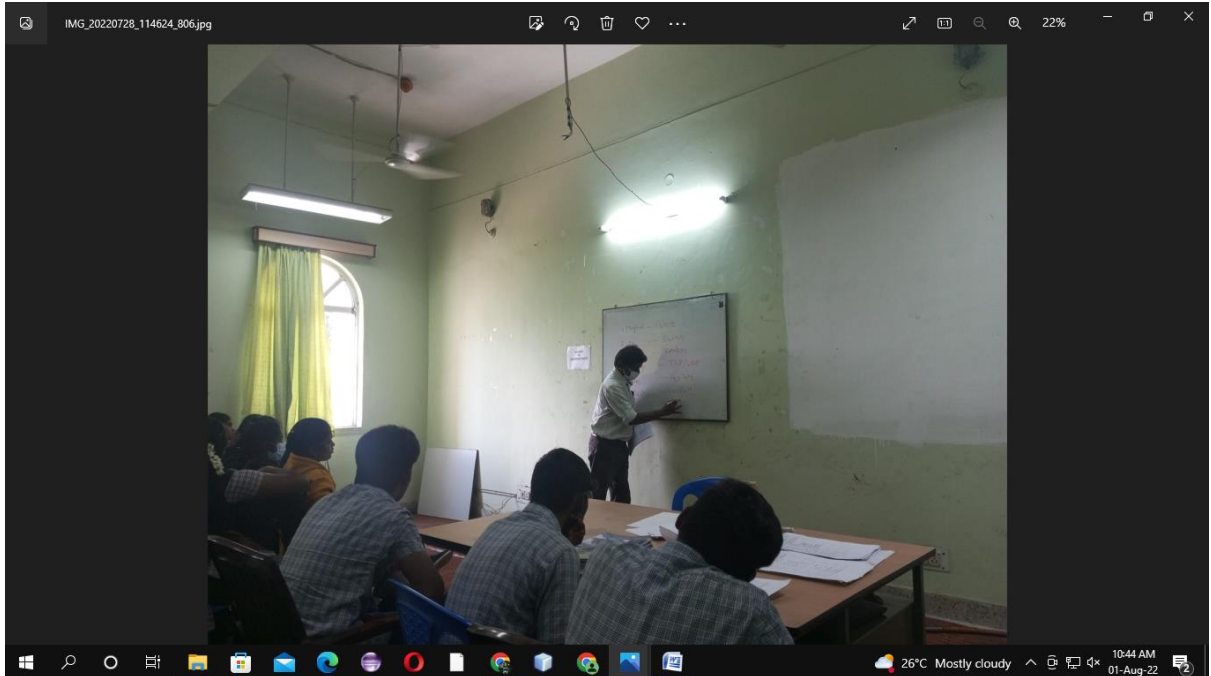


## DAY 24 ACTIVITY

**Date:** 28.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on Battery Test.

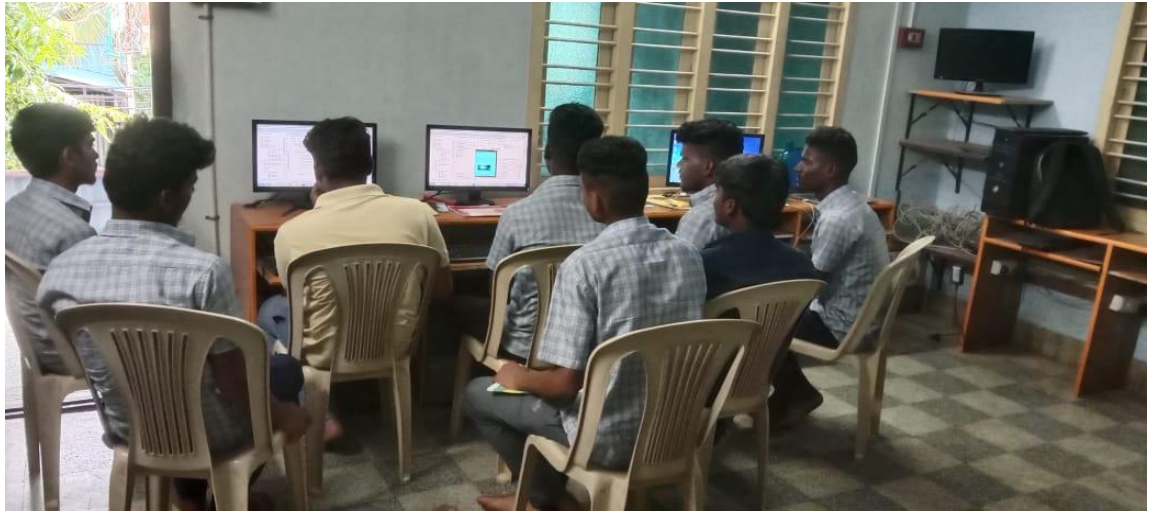


**Description:** The theoretical ideas are given by the professionals to our students on the topic on Battery Test. A battery resembles a living organism that cannot be measured, only estimated to a varied degree of accuracy based on available symptoms. This simulates a doctor examining a patient by taking multiple tests and applying the law of elimination. Rapid-test methods for batteries have been lagging behind other technologies; complexity and uncertain results when testing outliers are the reasons for the delay.

**DATE: 28.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Overall Project Review**

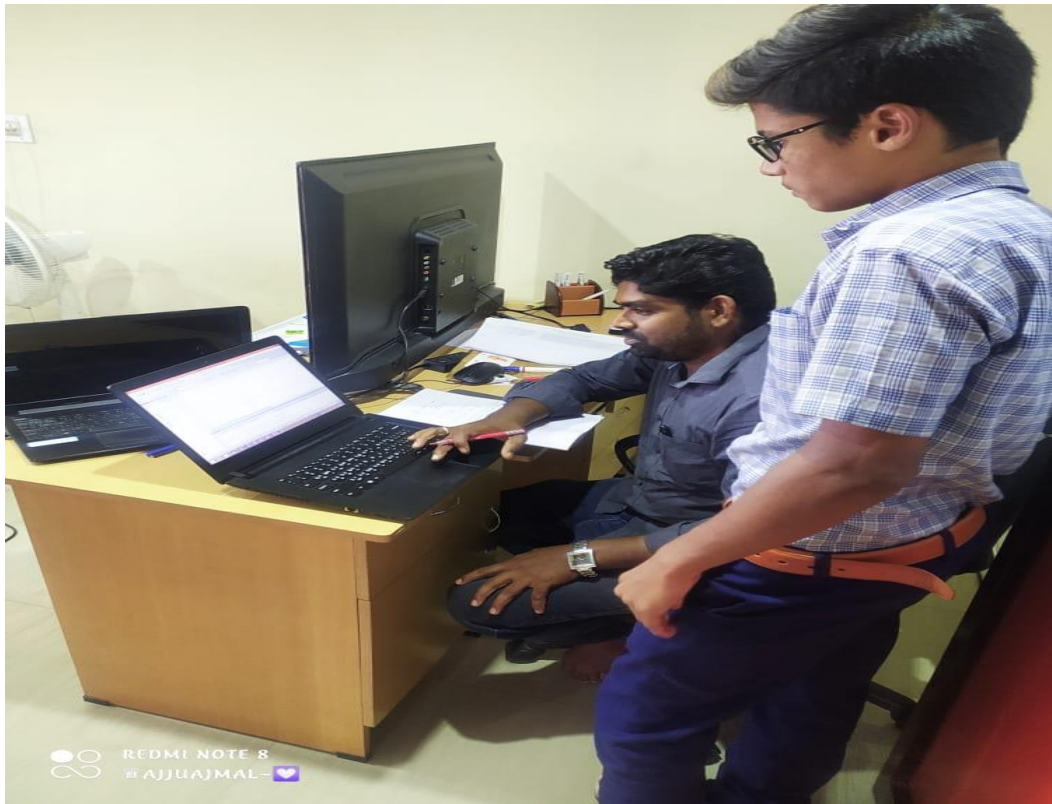


**Description:** Students explain their project and they came to know how to explain their project

**Date:** 28.07.2022

**Venue:** FATHOM TECHNOCRATS,Hosur

**Activity:** topics on JAVA frame works& project submission.



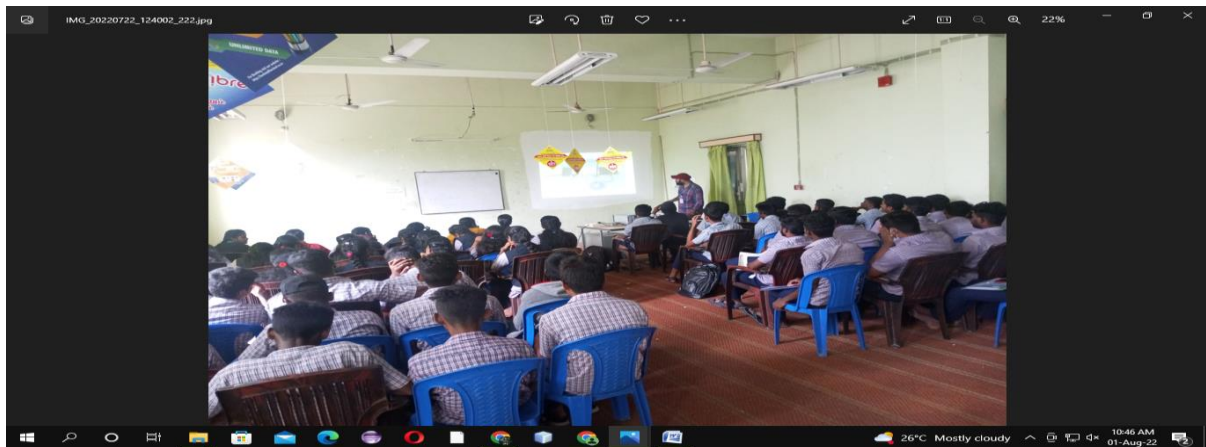
**Description:** topics on JAVA frame works& project submission.

## DAY 25 ACTIVITY

**Date:** 29.07.2022

**Venue:** BSNL, Hosur

**Activity:** Theoretical session on Power Plant Evaluation of Test Paper.



**Description:** The theoretical ideas are given by the professionals to our students on the topic on Power Plant Evaluation of Test Paper. Increasing population growth of Iran, and consequently, increasing the annual energy consumption has made the construction of more than 3000 MW power plant necessary. Taking into account various criteria, some power plants have been evaluated and ranked to select the most appropriate power plant for investment. For this purpose, three aspects and seven main criteria for evaluating power plants have been determined. Afterward, weights of sub-criteria have been determined by Analytical Network Process method, and eventually, power plants have been ranked by a multi-criteria decision-making (MCDM) method (i.e. fuzzy PROMETHEE II). Moreover, a comprehensive sensitivity analysis has been carried. Finally, power plants have been ranked by fuzzy technique for order preference by similarity to ideal solution (TOPSIS) method once again. Since the value of Spearman Correlation Test for two implemented methods is equal to 0.98, it can be concluded that fuzzy PROMETHEE II performs as well as fuzzy TOPSIS in ranking alternatives.



## INTERNSHIP CERTIFICATE DISTRIBUTION BY BSNL OFFICIAL



**DATE: 29.07.2022**

**Venue: Mikrosun Technology, Salem**

**Activity: Certificate Distribution**



**Description:** All the certificate (attendance and completion certificate has been Distributed an internship has been completed success fully



**Date: 29.07.2022**

**Venue: FATHOM TECHNOCRATS, Hosur**

**Activity: Topic on C Framework panel, Text area text field**



**Description: Topic on C Framework panel, Text area text field**

.

# Attendance Sheet

## FORM- IV: ATTENDANCE SHEET

Name & Address of Organization

BSNL

Srinagar - Kanyakumari Hwy, Surya  
Nagar, Sri Nagar, Hosur, Tamil Nadu  
635109  
Hosur, Tamil Nadu 635109

Name of Student	CHITTRARASU S
Roll. No	21590502
Name of Course	Computer Engineering
Date of Commencement of Trg.:	01.07.2022
Date of Completion of Training:	29.07.2022

Initials of the student

Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
July & 2022	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s	h/s

Note:

1. Attendance Sheet should remain affixed in Daily Training Diary. Do not remove or tear it off.
2. Student should sign /initial in the attendance column. Do not mark 'p'
3. Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.

Signature of Company internship supervisor with company stamp/seal

Name : P.SEKAR  
Contact No. : 9486101669

Sub Divisional Engineer (MSU)

BSNL

HOSUR - 635 109.



# FORM- IV: ATTENDANCE SHEET

Name & Address of Organization

**FATHOM TECHNOCRATS**  
Plot no.6,Kamatchi Layout, Next to  
MRF Showroom, near Adhiyamaan  
College, Sipoot Ph 2  
HOSUR

Name of Student	JALAPATHI P
Roll. No	21590510
Name of Course	Computer Engineering
Date of Commencement of Trg.:	01.07.2022
Date of Completion of Training:	29.07.2022

Initials of the student

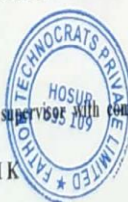
Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
July & 2022	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J	P-J

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2. Student should sign /initial in the attendance column. Do not mark 'P'
3. Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.

Signature of Company internship supervisor with company stamp/seal

Name :RAGUPATHI K  
Contact No. :9597486847



Name & Address of Organization

FORM- IV: ATTENDANCE SHEET

**MIKRO SUN TECHNOLOGY**  
9/3-53, Rajaji Street, Near KPN  
Shed, Swamapur  
**SALEM**

Name of Student	RAGUNATH VC
Roll. No	21590525
Name of Course	Computer Engineering
Date of Commencement of Trg:	01.07.2022
Date of Completion of Training:	30.07.2022

Initials of the student

Month & Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
July & 2022	V.C. Ragunath	V.C. Ragunath	H	V.C. Ragunath	Ragunath	V. Ragunath	Ragunath	V. Ragunath	V. Ragunath	H	Ragunath	V.C. Ragunath	Ragunath	V. Ragunath	V.C. Ragunath	V.C. Ragunath	H	Ragunath	V.C. Ragunath	Ragunath	V.C. Ragunath	Ragunath	V.C. Ragunath	H	H	V.C. Ragunath	Ragunath	V.C. Ragunath	Ragunath	V.C. Ragunath	H	H

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2. Student should sign/initial in the attendance column. Do not mark 'p'.
3. Holidays should be marked in Red Ink in attendance column. Absent should be marked as 'A' in Red Ink.

Signature of Company Internship supervisor with company stamp/seal

Name : V. SASI KUMAR  
Contact No. : 6380166126

**MikroSun Technology**  
9/3-53, Rajaji Street,  
Near KPN Shed, Swamapur,  
SALEM-636 004

# Daily Diary

T. Mahalakshmi  
BSNL.

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 1

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	1-7-2022	9:30 AM	5:30 PM	Data Communication Network Components Telecom network NTP, NDOP 2018.	
Saturday	2-7-2022	9:30 AM	5:30 PM	DFC, TIR Transmission media, Dioad fibers.	

Seal & Signature of Industry Supervisor  
Sub Divisional Engineer (MSU)  
BSNL  
HOSUR - 635 109.

T. Mahalakshmi.  
BSNL

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 2.

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Monday	4-7-22	9:30 AM	5:30 PM	Antenna, EM Waves Basic of frequency VAS.	
Tuesday	5-7-22	9:30 AM	5:30 PM	RTI, Broad band Resume service marketing	
Wednesday	6-7-22	9:30 AM	5:30 PM	Industry 1.0, 2.0, 3.0, 4.0, Some FTTH & IPTV Fiber Cable	
Thursday	7-7-22	9:30 AM	5:30 PM	Switching, network element to pology JEE Project 802.	
Friday	8-7-22	9:30 AM	5:30 PM	over view of data network protocol AC (or) dc OSI.	
Saturday	9-7-22	9:30 AM	5:30 PM	Practicals. network element & Ethernet cabling, Earth measured using Earth Meger - value 0.2 ohms.	

Seal & Signature of Industry Supervisor  
Sub Divisional Engineer (MSU)  
BSNL  
HOSUR - 635 109.



T. Mahalakshmi.  
BSNL.

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 5

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Monday	11-7-22	9:30 AM	5:30 PM	Practical for FTTH modem Configuration IP protocol IP addressing.	
Tuesday	12-7-22	9:30 AM	5:30 PM	IPv4 Entro IP address Ento for network IPv6	
Wednesday	13-7-22	9:30 AM	5:30 PM	Practical IPv4 & IPv6 Routing Protocol Routing architecture.	
Thursday	14-7-22	9:30 AM	5:30 PM	Callers WAN - Routing Protocol Subnetting.	
Friday	15-7-22	9:30 AM	5:30 PM	Piller visit practed class IP assigned to PC/NW Internet Servers.	
Saturday	16-7-22	9:30 AM	5:30 PM	MPLS <del>(multi)</del> protocol lable switching Voice over IP Next Generation.	

Seal & Signature of Industry Supervisor

Sub Divisional Engineer (MSU)  
BSNL

HOSUR - 635 109.

BSNL

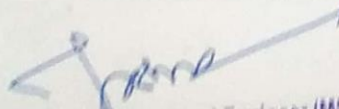
FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 4.

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Monday	18/07/2022	9:30 AM	5:30 PM	IP address Subnetting CIDR, IP Services.	
Tuesday	19/07/2022	9:30 AM	5:30 PM	Ping, route print, Traceroute and netstat Practical, Next Generation Network.	
Wednesday	20/07/2022	9:30 AM	5:30 PM	optional Fiber Communication, VSAT, Copper, Coaxial Cable Modulation	
Thursday	21/07/2022	9:30 AM	5:30 PM	Sim activation CRM - customer Range management.	
Friday	22/07/2022	9:30 AM	5:30 PM	Interview Skills, Voice over IP protocol Software Defined Networks.	
Saturday	23/07/2022	9:30 AM	5:30 PM	Switch room. OLT/ONU equipment C-PON equipment BTS OFC stream visited switch room.	

Seal & Signature of Industry Supervisor

  
Sub Divisional Engineer (MSU)  
BSNL  
HOSUR - 635 109.

T. Mahalakshmi  
BSNL

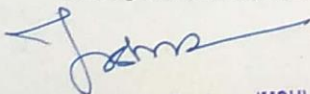
FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 5

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
MON.	25-07-22	9.30 AM	5.30 PM	Overview OF 5 G GMS, GPRS Qos.	
TUE	26-7-22	9.30 AM	5.30 PM	Fms (Franhaice management) NDF (Practical) asking Questions	
WED	27-7-22	9.30 AM	5.30 PM	Go Through all Classes, EIA Engine Alternator (asking Question)	
THS	28-7-22	9.30 AM	5.30 PM	Battery Δ Text.	
FRI	29-7-22	9.30 AM	5.30 PM	Power plant (marking) Evaluation of Test Paper.	
SAT	30-7-22				

Seal & Signature of Industry Supervisor



Sub Divisional Engineer (MSU)  
BSNL  
HOSUR - 635 109.



# Daily Diary

S. Deepika.

## FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

### STUDENT'S DAILY DIARY / DAILY LOG

Week - 01

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	1-7-2022	9.00AM	4.30PM	1. Introduction of C, Variable, keywords. 2. Data type, operators. 3. control flow, break and continue statements. 4. looping and nested statements.	Need to be interactive
Saturday	2-7-2022	9.00AM	4.30PM	General Activity, Team Development Activity.	Activity Performed well
Monday	4-7-2022	9.00AM	4.00PM	1. Modular program, function and part of the if function. pre-processor, c compilation module. macros with or without argument, predefine macro	Good in understanding the concepts
Tuesday	5-7-2022	9.30AM	4.00PM	Storage classes, Basic of Array and passing Array to function. Lab practice.	Programming Skill need to be improve
Wednesday	6-7-2022	9.30AM	4.00PM	pointer and double pointer Pointer arithmetic and Advance pointer Lab practice.	Need to be Practice with Program examples.
Thursday	7-7-2022	9.30AM	4.00PM	Lab practice Structure, union, Typedef, Enum. Dynamic memory Allocation.	Performed well in class

Seal & Signature of the Supervisor





S. Deepika

## FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

## STUDENT'S DAILY DIARY / DAILY LOG

Week - 02

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	8.7.2022	9.00AM	4.30PM	introduction of C++, abstraction, encapsulation, inheritance, oops concepts, lab practice.	Should be familiar with basic concepts
Saturday	9.7.2022	9.00AM	3.30PM	Member function, friend function, function overloading, operator overloading, lab practice.	Need to be practice with more programs
Monday	11.7.2022	10.00AM	5.00PM	lab practice, constructor, destructor, DMA, Friend function, This pointer, Friend class, lab practice.	Doing good with these activity.
Tuesday	12.7.2022	9.00AM	5.00PM	operator overloading, static keyword in C++, Inheritance, Lab practice, Access specifier, function override, lab practice.	good K.R.
wednesday	13.7.2022	9.00AM	5.00PM	upcasting, downcasting, late binding, virtual function, Lab practice.	good K.R.
Thursday	14.7.2022	9.00AM	5.00PM	Lab practice, object slicing, pure virtual function, Templates	good K.R.

Seal &amp; Signature of Industry Supervisor



S. Deepika.

## FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

## STUDENT'S DAILY DIARY / DAILY LOG

Week - 03.

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	15.7.2022	9.00AM	5.00PM	Reference variable, Types of inheritance, name mangling, object slicing, lab practice.	Good K.R.
Saturday	16.7.2022	9.00AM	5.00PM	Topic on C++ operator overloading using member function and friend function, types of inheritance and its example program execution, lab practice.	Good K.R.
Monday	18.7.2022	9.00AM	5.00PM	Assessment Assessment Review. Lab Practice.	Good K.R.
Tuesday	19.7.2022	9.00AM	5.00PM	Project discussion and project demo, lab practice, Technical discussion on project lab practice.	Good K.R.
Wednesday	20.7.2022	9.00AM	5.30PM	Study for assessment Study for assessment Assessment Assessment review.	Good K.R.
Thursday	21.7.2022	9.00AM	5.30PM	Project discussion and project demo Project discussion and project demo Assessment review	Good K.R.

Seal &amp; Signature of Industry Supervisor





S. Deepika

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 4

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday	22.7.22	9.00AM	5.30pm	card C++ Topics Documentation project discussion.	good K.Pi
Saturday	23.7.2022	9.00AM	5.30pm	project Review card C++ Topics documentation.	good K.Pi
Monday	25.7.2022	9.00AM	5.30pm	Planning on project procedure and flow chart planning on project Algorithm, advantage and disadvantage.	good K.Pi
Thursday	26.7.2022	9.00AM	5.30 pm	project development using document preparation.	good K.Pi
Wednesday	27.7.2022	9.00AM	5.30pm	Project presentation & Review on projects.	good K.Pi
Thursday	28.7.2022	9.00AM	5.30pm	topics on java program words & project submission.	good K.Pi

Seal & Signature of Industry Supervisor



S. Deepika.

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 05.

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday.	29.7.2022.	9.30AM.	5.00PM.	Topic c on frame work panel, text area, text field.	good K. Raj.

Seal & Signature of Industry Supervisor





M. SIVA  
gpt - utkangarai  
DCSE

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 1st week

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
Friday 1	01.7.2022	9:30 to 1:00	2:00 to 4:30	C - Programming and Java.	Candidate was Very Attentive
Saturday 2	02.7.2022	9:30 to 1:00	2:00 to 4:30	Pattern Ship - Training data types Binary format For example	Candidate was Very Attentive
Sunday 3	03.7.2022	9:30 to 1:00	2:00 to 4:30	Java usage of Java Java history first programming Java sample programming	Candidate was Very Attentive
Tuesday 4	05.7.2022	9:30 AM	5:00 PM	Computer operating system. Hardware/Software, Harddisk, unit of measurement Input methods	Candidate was Very Attentive
5	06.7.2022	9:30 AM	5:00 PM	Command and commands, Identifiers, Variable, primitive data type Non primitive	Good
6.	07.7.2022	9:30 AM	5:00 PM	Type casting and. operators. Assignment, Comparison, logical, Example, programming	Good

Seal & Signature of Industry Supervisor

**Mikrosun Technology**  
9/3-53, Rajaji Street,  
Near KPN Shed, Swarnapuri,  
SALEM-636 004

M. SIVA  
gpt - uhangarai  
DCSE

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

Week - 28<sup>th</sup> week

STUDENT'S DAILY DIARY / DAILY LOG

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
7	8.7.2022	9.00 AM.	5.00 PM	Bitwise operator, Scanner, user Input, math function, if else, else if, Switch statement.	Good
8	9.7.2022	9.00 AM	5.00 PM.	Simple Program and practical Program.	Satisfied
9	11.7.2022	9.00 AM.	5.00 PM.	Loops Statement while, do while, for, Nexted for loop,	Learned clearly
10	12.7.2022	9.00 AM	5.00 PM.	<del>Loops</del> <del>Statement</del> array, multi dimen array, method con Fun -tion array Example programming.	Learned & Practiced
11	13.7.2022	9.00 AM	5.00 PM.	project and second Stage and Review Example programming (mark sheet, calculator, program)	Learned & Practiced
12	14.7.2022	9.00 AM	5.00 PM.	data base design and use design concept.	Learned & Practiced

Seal & Signature of Industry Supervisor



gpt rathangarai  
DCSE

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 3 St

Week

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
13	15.7.22	9.00 Am.	5.00 PM.	data base connectivity - data base, From tools.	Learned practically
14	16.7.22	9. Am.	5. pm.	overall data insert method data base connection Validation on data base from tools.	Learned Practically
15	18.7.22	9 Am	5 pm	data insert Stage-2 data insert data insert data insert	Verified
16	19.7.22	9 Am	5 pm	data insert Stage-3 data insert data insert data insert	Verified
17	20.7.22	9 Am	5 pm	overall data insert method data base connection Stage-4 connection Stage- data insert	Verified
18	21.7.22	9 Am	5 pm.	Testing Print and data base query and report generation Stage data insert data insert	Verified

Seal & Signature of Industry Supervisor

M. SIVA  
 GPT - Uthangarai  
 DISE

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

STUDENT'S DAILY DIARY / DAILY LOG

Week - 4<sup>th</sup> Week

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
19	22.4.2022	9 AM	5 PM	Testing Input and data base Query and report generation stage - II is working properly	Verified
20	23.4.2022	9 AM	5 PM	Run the application and got the output successfully	Verified
21	24.4.2022	9 AM	5 PM	overall project Report generation AND Input output Testing Part-1	Verified
22	25.4.2022	9 AM	5 PM	overall project Report generation AND Input output Testing Part-2	Verified
23	26.4.2022	9 AM	5 PM	overall project Report generation AND Input output Testing Part-3	Verified
24	27.4.2022	9 AM	5 PM	Final Overall Project review. Part-1	Done

Seal & Signature of Industry Supervisor



M. SIVA  
JPH - Uthangarai  
DCSE

FORM - V: STUDENT'S DAILY DIARY / DAILY LOG

Week - 5 week.

STUDENT'S DAILY DIARY / DAILY LOG

Day	Date	Time of Arrival	Time of Departure	Student Observations (Record Main Points)	Remarks by Supervisor
28	29/7/2022	9 PM	5 PM	Final overall Project review Internship Completed Part 2	Good

29/7/22

Seal & Signature of Industry Supervisor

# Evaluation of Industry Supervisor

## FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF INTERN- 20 MARKS

Student name P. Dheetha Date: Work  
 supervisor P. SEKAR Title: INTRODUCTION TELECOM AND NETWORKING  
 Company/Organization: BSNL HOSUR Internship address: BSNL HOSUR  
 Dates of Internship: From 01/07/2022 To 29/07/2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors – 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	/		
Performs in a dependable manner	/		
Cooperates with co-workers and supervisors	/		
Shows interest in work	/		
Learns quickly	/		
Shows Initiative	/		
Produces high quality work	/		
Accepts responsibility	/		
Accepts Criticism	/		
Demonstrates organizational skills	/		
Uses technical knowledge and expertise	/		
Shows good judgment	/		
Demonstrates creativity/originality	/		
Analyzes problems effectively	/		
Is self-reliant	/		
Communicates well	/		
Writes effectively	/		
Has a professional attitude	/		
Gives a professional appearance	/		
Is punctual	/		

Overall performance of student intern (circle one):

(Excellent/

Good/

Satisfactory) Additional comments, if any:

Signature of Industry supervisor P. Sekar

HR Manager .....

[Signature]  
 Sub Divisional Engineer (MSU)  
 BSNL  
 HOSUR - 635 109.

**FORM-VII: STUDENT FEEDBACK OF INTERNSHIP (TO BE  
FILLED BY STUDENTS AFTER INTERNSHIP  
COMPLETION)**

Student name: P. LATHA Date: 29/07/22  
 Industrial Supervisor: P. SEKAR Title: INTRODUCTION - TELECOM AND NETWORKING  
 Supervisor Email: stemsuboy@gmail.com Internship is: Paid: \_\_\_\_\_ Unpaid: \_\_\_\_\_  
 Address of Internship Provider/Industry/Organization: BENL  
 Faculty Supervisor: NGG007 Harita Department: DCSE Dates of Internship: From 1/7/22 To 29/07/22  
 \*\*\*Please fill out the above in full detail\*\*\*

Give a brief description of your internship work (title and tasks for which you were responsible):

Was your Internship experience related to your major area of study?  
 ----- Yes, to a large degree ----- Yes, to a slight degree ----- No, not related at  
 all indicate the degree to which you agree or disagree with the following statements.

This experience has:	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Given me the opportunity to explore a career field	✓				
Allowed me to apply classroom theory to practice	✓				
Helped me develop my decision-making and problem-solving skills	✓				
Expanded my knowledge about the work world prior to permanent employment	✓				
Helped me develop my written and oral communication skills		✓			
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate decision-making and action)	✓				
Expanded my sensitivity to the ethical implications of the work involved	✓				
Made it possible for me to be more confident in new situations	✓				
Given me a chance to improve my interpersonal skills	✓				
Helped me learn to handle responsibility and use my time wisely	✓				

NGDN → next generation Data networking.



**FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF  
INTERN- 20 MARKS**

Student name P. JALAPATHI Date: Work 29/07/22  
 supervisor K. RADUPATHI Title: PROJECT DEVELOPER  
 Company/Organization: FATHOM..... Internship address: #6 KAMATCHI LAYOUT  
TECHNOCRATS HOSUR- 635-109  
 Dates of Internship: From 01/07/2022 To 29/07/2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors – 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	✓		
Performs in a dependable manner	✓		
Cooperates with co-workers and supervisors	✓		
Shows interest in work	✓		
Learns quickly		✓	
Shows Initiative	✓		
Produces high quality work	✓		
Accepts responsibility	✓		
Accepts Criticism	✓		
Demonstrates organizational skills	✓		
Uses technical knowledge and expertise	✓		
Shows good judgment		✓	
Demonstrates creativity/originality	✓		
Analyzes problems effectively	✓		
Is self-reliant	✓		
Communicates well	✓		
Writes effectively	✓		
Has a professional attitude	✓		
Gives a professional appearance	✓		
Is punctual	✓		

Overall performance of student intern (circle one): 19

(Excellent)

Good/

Satisfactory) Additional comments, if any:

Signature of Industry supervisor

K. Radu  
29/07/22

HR Manager





**FORM-VII: STUDENT FEEDBACK OF INTERNSHIP (TO BE  
FILLED BY STUDENTS AFTER INTERNSHIP  
COMPLETION)**

Student name: V. POOVAZHANI Date: 29/07/2022  
 Industrial Supervisor: K. RAMUPATHI Title: FULL STACK DEVELOPMENT TRAIN BOOKING APPLICATION  
 Supervisor Email: ragupathikumar.k@gmail.com Internship is: \_\_\_\_\_ Paid: ☒ Unpaid: \_\_\_\_\_  
 Address of Internship Provider/Industry/Organization: FATHOM TECHNOCRATS PVT LTD # 6 KAMATCHI HOUSR-635 109  
 Faculty Supervisor: \_\_\_\_\_ Department: \_\_\_\_\_ Dates of Internship: From 01/07/22 To 29/07/22  
 \*\*\*Please fill out the above in full detail\*\*\*

Give a brief description of your internship work (title and tasks for which you were responsible):

Was your Internship experience related to your major area of study?

-----Yes, to a large degree-----Yes, to a slight degree-----No, not related at all indicate the degree to which you agree or disagree with the following statements.

This experience has:	Strongly Agree	Agree	No Opinion	Disagree	Strongly Disagree
Given me the opportunity to explore a career field	<input checked="" type="checkbox"/>				
Allowed me to apply classroom theory to practice	<input checked="" type="checkbox"/>				
Helped me develop my decision-making and problem-solving skills	<input checked="" type="checkbox"/>				
Expanded my knowledge about the work world prior to permanent employment	<input checked="" type="checkbox"/>				
Helped me develop my written and oral communication skills	<input checked="" type="checkbox"/>				
Provided a chance to use leadership skills (influence others, develop ideas with others, stimulate decision-making and action)	<input checked="" type="checkbox"/>				
Expanded my sensitivity to the ethical implications of the work involved	<input checked="" type="checkbox"/>				
Made it possible for me to be more confident in new situations	<input checked="" type="checkbox"/>				
Given me a chance to improve my interpersonal skills	<input checked="" type="checkbox"/>				
Helped me learn to handle responsibility and use my time wisely	<input checked="" type="checkbox"/>				

**FORM-VIII: INDUSTRY SUPERVISOR EVALUATION OF  
INTERNS- 20 MARKS**

Student name: Sundaravel S Date: 29.07.2022  
 supervisor: V. Sasi Kumar Title: Programming on Java  
 Company/Organization: Mikrosum Technology Internship address: 9/3-53 Swarnapuri, Salem  
 Dates of Internship: From 01/07/2022 To 30/07/2022

Please evaluate your intern by indicating the frequency with which you observed the following behaviors - 20 marks (Excellent- 1 mark, Good- 0.5 mark, Satisfactory- 0 mark)

Parameters	Excellent	Good	Satisfactory
Behaviors	✓		
Performs in a dependable manner	✓		
Cooperates with co-workers and supervisors	✓		
Shows interest in work	✓		
Learns quickly	✓		
Shows initiative	✓		
Produces high quality work	✓		
Accepts responsibility	✓		
Accepts Criticism	✓		
Demonstrates organizational skills	✓		
Uses technical knowledge and expertise	✓		
Shows good judgment	✓		
Demonstrates creativity/originality	✓		
Analyzes problems effectively	✓		
Is self-reliant	✓		
Communicates well	✓		
Writes effectively	✓		
Has a professional attitude	✓		
Gives a professional appearance	✓		
Is punctual	✓		

Overall performance of student intern (circle one):

(Excellent / EXCELLENT / Good / Satisfactory)

Signature of Industry supervisor

*[Signature]*

Good/

Satisfactory) Additional comments, if any:


HR Manager .... *[Signature]*

**Mikrosum Technology**  
 9/3-53, Rajaji Street,  
 Near KPN Shed, Swarnapuri,  
 SALEM-636 004

# ATTENDANCE CERTIFICATE

CamScanner 08-13-2022 09:38\_10.jpg


Bharat Sanchar Nigam Limited  
Srinagar - Kanyakumari Highway, MSU  
Main Telephone Exchange, Sri Nagar,  
Hosur, Tamil Nadu 635109

 **भारत संचार निगम लिमिटेड**  
(भारत सरकार का उपक्रम)  
**BHARAT SANCHAR NIGAM LIMITED**  
(A Govt. of India Enterprise)

Total Noof Days: 25  
No of days Present: 25  
No of days Absent: 0  
Attendance Percentage: 100%

Internship Training Attendance Certificate

This is to certify that IYAPPAN M (21590509) from  
Government Polytechnic College, Uthangarai has successfully completed the Internship  
Training on "NEXT GENERATION DATA NETWORKING" for 25 days (01.07.2022  
to 29.07.2022). During this period, student conduct was good and satisfactory.

*Connecting India*   
Industry Supervisor

31°C Mostly sunny 10:22 AM 13-Aug-22

# INTERNSHIP CERTIFICATE



29<sup>th</sup> July 2022

## INTERNSHIP CERTIFICATE

This is to certify that **V. POOVAZHAGI**, Students of Computer Engineering Department of Government Polytechnic College, Uthangarai has done a Internship in our company on "**Full Stack Development- Train Booking Application**" for a period from 01.07.2022 to 29.07.2022 in our organization. She has been regular in her attendance during this period.

We found his performance and conduct are good.

We wish him all Success.

For Fathom Technocrats Pvt Ltd,

  
Asha Anand  
Manger – Admin & HR



**FATHOM TECHNOCRATS (P) LTD,**  
#6, Kamatchi Layout, Next to MRF Showroom,  
Near Adhiyamaan College of Engg., Moranapalli, HOSUR - 635109

+91 4344 260 370  
info@fathomtec.com  
www.fathomtec.com





Office Address: #6, Kamatchi Layout, Next to MRF Showroom, Near Adhyamaan College of Engg,

Moranapalli, Hosur-635109, Phone no: +91-73583-96179

Web: [www.fathomtech.in](http://www.fathomtech.in)

Email Id: [hr@fathomtech.in](mailto:hr@fathomtech.in)

Total No of Days: 29

No of days Present: 29

No of days Absent: Nil

### Internship Training Attendance Certificate

This is to certify that **M. AJMAL** from **Government Polytechnic College, Uthangarai** has successfully completed the Internship Training on "**Full Stack Development- Bank Software Application**" for **25 days (01.07.2022 to 29.07.2022)**. During this period, student conduct was **good and satisfactory**.

Industry Supervisor

Industry HR Manager





# MikroAlum Technology

Think Learn Implement

(An ISO 9001:2008 Certified Institution)

Office Address: 9/3 - 53, RAJALI STREET, NEAR KPN SHED, SWARNAPURI, SALEM-636 004.

Web: [www.mikrosunsalem.com](http://www.mikrosunsalem.com)

Email I'd: [mikrosunprojects@gmail.com](mailto:mikrosunprojects@gmail.com)

MST/139 GPTC  
INTERNSHIP TRAINING

Certificate No: **001**

## Internship Training Completion Certificate

This is to certify that GOVINDARAJ K from

Government Polytechnic College, Uthangarai has successfully completed the Internship Training on "Real Time Application on Students Database Management System using Advanced Java Domain" for 25 days (01.07.2022 to 29.07.2022). During this period, student conduct was good and satisfactory.

*P. Sakthi*  
**Industry Supervisor**

MikroAlum Technology  
9/3-53, Rajali Street,  
Near KPN Shed, Swarnapuri,  
SALEM-636 004



*P. Navakumar*  
**Industry HR Manager**

# ANNEXURE

## Industry Evaluation and Internship Compatibility monitoring visit for mapping the students:

**VISITED VARIOUS INDUSTRIES FOR STUDENTS MAPPING.**

**VISIT PERFORMED BY,**

**Mrs. HEPZIBA ANGELA DURAIRAJ -PRINCIPAL**

**Dr.M.LAKSHMI -INTERNSHIP COORDINATOR**

**Mr.PANCHAMOORTHY-Hodi/c-MECH**

**Mr.ANAND-LECTURER-CIVIL**

Visited Kattera India Private Ltd, Hosur to monitor company's environments ,infrastructures and availability of resources needed for internship compatibility. We had a meeting the Company HRs to get direct confirmation about mapping of 52 students and to get informations regarding Internship Training to our Civil,Mechanical and EEE students. Discussed about day to day activities planned for Internship and hands on field experiences planned which have to be given for 25 days with 8 hours on each day. We got the informations about the company rules and regulations from company's experts ,some of the specific dress coat and safety measures which have to be followed by students.



Visited Fathom Tecnocrat's, to monitor company's environments , infrastructures and availability of resources and compatibility needed for



internship. We have met Company HRs to get direct confirmation about mapping of 10 students and to get informations regarding Internship Training for our Computer students. Discussed about day wise activities and hands on field experiences planned which have to be given for 25 days with 8 hours on each day and got the informations from about the company rules and regulatons , some of the specific dress coat ,safety measures which are to be follwed by our students.



Visited **DNR ELECTRICALS**,Hosur to monitor company's environments ,infrastructures and availability of resources and compatibility needed for internship. Had a meet with the company director and HR to get direct confirmation about mapping strength of 10 students , informations regarding Internship Training for our EEE students. Discussed about day wise activities and hands on field experiences planned which have to be given for 25 days with 8 hours on each day and got the informations from about the company rules and regulatons , some of the specific dress coat ,safety measures which are to be follwed by our students.





And also visited the following companies namely;**HI-Rel Tech,Hosur,Delta CNC Applications,Hosur,SKM Industries, Hosur and Stake Pose,Hosur** to monitor company's environments ,infrastructures and availability of resources and compatibility needed for internship. Had a company meet with HRs to get direct confirmation about mapping strength of students , informations regarding Internship Training for our students. Discussed about day wise activities and hands on field experiences planned which have to be given for 25 days with 8 hours on each day and got the informations about the company rules and regulatons , some of the specific dress coat ,safety measures which are to be follwed by our students.

## Press news about an Internship Training organized by Government Polytechnic College,Uthangarai.

### ஊத்தங்கரை அரசு பாலிடெக்னிக் கல்லூரி மாணவர்களுக்கு இன்டர்ன்ஷிப் பயிற்சி!

ஊத்தங்கரை, ஜூலை.7  
கிருஷ்ணகிரி மாவட்  
டம் ஊத்தங்கரை அரசு  
பல்வகை தொழில்நுட்  
பக் கல்லூரி மாணவர்க  
ளுக்கு இன்டர்ன்ஷிப்  
பயிற்சி ஏற்பாடு செய்யப்  
பட்டது.

அதன்படி கல்லூரியில்  
நான்காம் பருவம் படிக்  
கும் 160 பட்டயப்படிப்பு  
படிக்கும் மாணவ, மாண  
விகளுக்கு ஒரூரில் உள்ள  
8 முன்னணி தொழில்  
நிறுவனங்களில் 25 நாட்  
கள் இன்டர்ன்ஷிப்  
பயிற்சி பெற உள்ளனர்.

இதன்மூலம் மாணவரின்  
படிப்பு மற்றும்  
தொழில் ஆர்வம் தொடர்  
புடைய திறனை மேம்ப  
டுத்திக் கொள்ளவும்,  
தொழிலகங்களின்நடை  
முறை அனுபவம்  
திறனை கற்றுக் கொள்ள  
முடியும், தவிர ஓசூர்  
பாரத் சன்சார் நிகாம் லிமி  
டெட் மற்றும்  
கிருஷ்ணகிரி தமிழ்நாடு  
மின்வாரியம் உள்ளிட்ட  
12 நிறுவனத்திற்கு  
சென்று, அங்குள்ளநடை  
முறை அனுபவத்தை கற்  
றனர் இந்த இன்டர்ன்ஷிப்

பயிற்சி யுசிஜியின் வழி  
காட்டுதலின்படி அரசே  
இதற்கான மொத்த செல  
வுகளையும் நடத்த  
வழிவகைசெய்து உள்  
ளது.

இத்தகைய பயிற்சி  
களை அளிக்கக்கூடிய  
ஊத்தங்கரை அரசு பாலி  
டெக்னிக் கல்லூரியில்,  
பெற்றோர்கள் தங்களின்  
மாணவ மாணவிகளை  
சேர்த்து பயனடையுமாறு  
கல்லூரி முதல்வர் எப்  
சிபா ஏஞ்சலா துரைராஜ்  
கேட்டுக் கொண்  
டுள்ளார்.



முன்னணி தொழில் நிறுவனங்களில் இன்டர்ன்ஷிப் பயிற்சி பெற்ற ஊத்தங்கரை அரசு பாலிடெக்னிக் கல்லூரி மாணவ, மாணவிகளை படத்தில் காணலாம்.



நகராட்சி  
ள்ள குடிநீர்  
ல் மின்  
பத்து உறிஞ்  
டறியப்பட்  
ட்டார் பறி  
ப்படுவது  
ந்தப்பட்டு  
ன்பு து  
வர்களுக்  
க்கப்பட்டு,  
டவடிக்கை  
என கடு  
ரிக்கப்படுகி  
டுத்துள்ளார்.

ராதர் பங்  
மாணவர்  
செய்தனர்.  
ஏற்பாடு  
சி. அலுவ  
தானிசாமி  
ர்.  
மாணவர்க  
ம், உயரம்  
சுட்டி ஏறி  
போட்டி,  
ரிட்ட பல  
நடத்தப்  
ணவர்கள்  
யப்பட்டு  
ம.க. செய  
வம் பங்  
தேர்வான  
ர் க ள  
அறிவுரை

சியின் ஒரு  
மரக்கன்று  
ளாகத்தில்

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க  
ப்போது  
தில் காண  
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டம் உளுந்தூர்பேட்டை  
அருகே பூ மாம்பாக்கம்  
மேம்பாலம் அருகில்  
சென்னை - திருச்சி  
செல்லும் தேசியநெடுஞ்  
சாலையில் நள்ளிரவில்  
தடும்பட்டி மருந்து  
கெண்டுளரிவெட்டு  
செயில் நடந்தது.  
வந்த ஆம்னி பஸ்  
முந்த முயன்ற போது

லாரி மீது வேகமாக அவர்களுக்கு உளுந்தூர்  
மோதியது. ஆம்னி பஸ் டிரைவர்  
ன் சிலை கருவி முந்த  
அகியோர்க்கு பரிபாட  
மகம் உரிபுத்தனர் விமத்த  
இந்த விபத்து அடிப்பட  
கரசன் உட்பட 5 பேர் பாஸ்சார்  
படுகாயம் அடைந்தனர். வருகின்றனர்.



## ஊத்தங்கரை அரசு பாலிடெக்னிக் கல்லூரி மாணவர்களுக்கு இன்டர்ன்ஷிப் பயிற்சி!

ஊத்தங்கரை, ஜூலை.7  
கிருஷ்ணகிரி மாவட்  
டம் ஊத்தங்கரை அரசு  
பல்வகை தொழில்நுட்  
பக் கல்லூரி மாணவர்க  
ளுக்கு இன்டர்ன்ஷிப்  
பயிற்சி ஏற்பாடு செய்யப்  
பட்டது.  
அதன்படி கல்லூரியில்  
நான்காம் பருவம் படிக்க  
ும் 160 பட்டயப்படிப்பு  
படிக்கும் மாணவ, மாண  
விகளுக்கு ஒதுரில் உள்ள  
8 முன்னணி தொழில்  
நிறுவனங்களில் 25 நாட்  
கள் இன்டர்ன்ஷிப்  
பயிற்சி பெற உள்ளனர்.

இதன்மூலம் மாணவரின்  
படிப்பு மற்றும்  
தொழில் ஆர்வம் தொடர்  
புடைய திறனை மேம்ப  
டுத்திக் கொள்ளவும்,  
தொழிலகங்களின்நடை  
முறை அனுபவம்  
திறனை கற்றுக் கொள்ள  
முடியும், தவிர ஒதுர்  
பாரத்சன்சார் நிகாம் லிமி  
டெட் மற்றும்  
கிருஷ்ணகிரி தமிழ்நாடு  
மின்வாரியம் உள்ளிட்ட  
12 நிறுவனத்திற்கு  
சென்று, அங்குள்ள நடை  
முறை அனுபவத்தை கற்  
றனர் இந்த இன்டர்ன்ஷிப்

பயிற்சி யுசிஜியின் வழி  
காட்டுதலின்படி அரசே  
இதற்கான மொத்த செல  
வுகளையும் நடத்த  
வழிவகைசெய்து உள்  
ளது.  
இத்தகைய பயிற்சி  
களை அளிக்கக்கூடிய  
ஊத்தங்கரை அரசு பாலி  
டெக்னிக் கல்லூரியில்,  
பெற்றோர்கள் தங்களின்  
மாணவ மாணவிகளை  
சேர்த்து பயனடையுமாறு  
கல்லூரி முதல்வர் எப்  
சிபா ஏஞ்சலா துரைராஜ்  
கேட்டுக் கொண்  
டுள்ளார்.



முன்னணி தொழில் நிறுவனங்களில் இன்டர்ன்ஷிப் பயிற்சி பெற்ற ஊத்தங்கரை அரசு பாலிடெக்னிக் கல்லூரி மாணவ, மாணவிகளை படத்தில் காணலாம்.

யில் உள்ள  
ஏல மண்டிக  
மும் கொண்  
கிறது.  
அதன்படி  
பெற்ற ஏ  
செவ்வாழை  
பட்சமாக தா  
8000 க்கும், ரச  
அதிகபட்சமா  
ஒன்று ரூ.  
பச்சை நாடெ  
பட்சமாக த  
ரூ.250 க்கு

வெள்ளி  
மாலை  
ராசிப  
வெள்ளி

உட்கோட்டநர்வாக  
சார் ஆட்சியர் (R  
சமூகம், மேப்  
திறப்பு  
சி.குமார் தபெ.சின்  
கல்பா புதூர், அமரஜ  
லுமூர் வட்டம், சே

-இப  
திரு.தாசித்தார் அவர்  
பிறப்பு & திறப்பு பதிவு  
லுமூர்.

அறிவி  
மேற்படி மனுவி  
மகன் சர்வேந்திர  
என்பவர் கடந்த  
தேதியில் மனுதா  
விளைசத்தில் பிறந்  
மனுதாரரின் மகன்  
பதிவேட்டில் பதிவு  
மேற்படி மனுதா  
சர்வேந்திரன் அ  
எதிர்மனுதாரர் பதிவு  
வழங்க உத்தரவிட  
மனுதாரர் கணம்  
கோட்டில் மனுதா  
மேற்படி மனு விளை  
தினங்களுக்குள்  
மேற்படி மனு பற்  
உள்ளவர்கள் நே  
வழக்கறிஞர் மூல  
தங்களது  
தெரிவித்துக்கொள்ள  
தவறும் பட்சத்தில்  
ஆதரவாக மனு  
என்பதை அறியவும்.  
//கோட்டார் உத்  
மனுதாரர் த

## **Official Meet with DEO and DIC Manger regarding Internship Training.**



**Fig-(1)- Meet with DIC Manager, Krishnagiri**



Our Principal Mrs. HEPZIBA ANGELA DURAIRAJ had an official meeting with District Employment Officer, Krishnagiri and District Industries Centres Manager, Krishnagiri on August 2021 to identify the reputed industries, to get the information about different company's environments, infrastructures and availability of resources and compatibility needed for internship and to collect the list of small scale, Large scale, and MSME industries operating in and around Krishnagiri District for required arrangements that has to be done for internship Training of our college students.



**Fig.(2)--Meet with DEO, Krishnagiri**

**DETAILS OF INTERNSHIP  
ACTIVITIES/CURRICULUM  
(PLANNED)-2022**

# DEPARTMENT OF CIVIL ENGINEERING



**Details of Internship Activities/curriculum**  
**Institution Name:- Government Polytechnic College, Uthangarai**  
**Department: Diploma in Civil Engineering**  
**Industry Name: Katerra India Private Limited, Krishnagiri**

Day	Date	Details of Activities(planned)	Signature of industry HR
1	1.7.2022	Safety Induction & Factory Induction	
2	2.7.2022	Mould Process and Technics	
3	4.7.2022	Production Planning Techniques and Procedures	
4	5.7.2022	Material and Man power Planning	
5	6.7.2022	Material Types Used and Handling	
6	7.7.2022	Introduction to Precast Elements(Beams , columns etc)	
7	8.7.2022	Steel Binding Work Demonstration	
8	9.7.2022	Shop Drawing & Site Plan and Layout Knowledge	
9	11.7.2022	Quality Checking Procedures	
10	12.7.2022	Quality Assurance and Lab Testing Procedures	
11	13.7.2022	Bay 1 Production and Techniques	
12	14.7.2022	Bay 2 Production and Techniques	
13	15.7.2022	Bay 3 Production and Techniques	
14	16.9.2022	Bay 4 Production and Techniques	
15	18.7.2022	Bay 5 Production and Techniques	
16	19.7.2022	Finished Good Stocking and Dispatch Activities	
17	20.7.2022	Finished Good Dispatch and Procedures	
18	21.7.2022	Factory Machinery and Usage	
19	22.7.2022	Site Coordination and Related Activities	
20	23.7.2022	Quantity Surveying and Procedures	
21	25.7.2022	Pod Factory Introduction and Techniques	
22	26.7.2022	Types of POD Elements and their Construction	
23	27.7.2022	Walking through Ware House and Procedures	
24	28.7.2022	Knowledge of Fire and Safety	
25	29.7.2022	Review & Observation on Internship Training	

*S. Sathish*  
HOD (i.e)  
Civil



**DETAILS OF INTERNSHIP ACTIVITIES/CURRICULUM**  
**INSTITUTION NAME: 139, GOVERNMENT POLYTECHNIC COLLEGE, UTHANGARAI.**  
**DEPARTMENT: DIPLOMA IN CIVIL ENGINEERING**  
**INDUSTRY NAME: Building Construction**

DAY	DATE	DETAILS OF ACTIVITIES	SIGNATURE OF INDUSTRY HR
1	01.07.2022	Safety Induction & Company Induction	
2	02.07.2022	Planning Techniques And Work Procedure	
3	04.07.2022	Planning of Materials And Man Power	
4	05.07.2022	Introduction to Field Quality Plan	
5	06.07.2022	Quality checking work procedure	
6	07.07.2022	Quality Assurance and lab testing work procedures	
7	08.07.2022	Material Testing and usage of Handling	
8	09.07.2022	Introduction to Checklist filling	
9	11.07.2022	Planning for Site Preparation	
10	12.07.2022	Marking land for proposed building	
11	13.07.2022	Checking for Earthwork excavation activity	
12	14.07.2022	Checking for Foundation work Activity	
13	15.07.2022	Checking for Column and Plinth beam Activity	
14	16.07.2022	Checking for Quality of Concrete (Cube test)	
15	18.07.2022	Checking for Earth filling Activity	
16	19.07.2022	Construction of Brick masonry work	
17	20.07.2022	Checking for Shuttering on lintel cum sunshade	
18	21.07.2022	Floor slab or Roof slab concreting work	
19	22.07.2022	Door windows framing and fixation activity	
20	23.07.2022	Exterior Finishing Activity	
21	25.07.2022	Water proofing and painting work activity	
22	26.07.2022	Site Coordination and Related activities	
23	27.07.2022	Quantity surveying and procedures	
24	28.07.2022	Knowledge of Fire and Safety	
25	29.07.2022	Review & Observation on Internship training	

*S. Jeyaraj*  
HOD (CIC)  
civil Engg.

**DEPARTMENT OF  
MECHANICAL  
ENGINEERING**

**Department of Technical Education:: Chennai-25**  
**Details of Internship Activities/curriculum**  
**Institution Name:- Government Polytechnic College, Uthangarai**  
**Department: Diploma in Mechanical Engineering**  
**Industry Name: Kattera India Private Limited, Krishnagiri**

Day	Date	Details of Activities(planned)	Signature of industry HR
1	1.7.2022	Safety Induction Orientation Programme	
2	2.7.2022	basics and observation-precast	
3	4.7.2022	basics and observation-joinery	
4	5.7.2022	basics and observation-AL&G	
5	6.7.2022	basics and observation-POD	
6	7.7.2022	Understanding Pre Bay-1	
7	8.7.2022	Understanding Precast Bay-2	
8	9.7.2022	Understanding Precast Bay-3	
9	11.7.2022	Understanding Precast Bay-4	
10	12.7.2022	Understanding Precast Bay-5	
11	13.7.2022	Understanding Precast EOT'S	
12	14.7.2022	understanding joinery process flow	
13	15.7.2022	understanding AL&G process flow	
14	16.9.2022	understanding POD process flow	
15	18.7.2022	knowledge of breakdown types	
16	19.7.2022	knowledge of Gear Boxes & Mechanical Machinery	
17	20.7.2022	knowledge of Hydraulics &Inventory	
18	21.7.2022	knowledge of preventive maintenance	
19	22.7.2022	knowledge of machinery work Instructions	
20	23.7.2022	knowledge of 5s Architecture	
21	25.7.2022	knowledge of types of PLC	
22	26.7.2022	knowledge of types of Drives	
23	27.7.2022	knowledge of Spare Requirements	
24	28.7.2022	Procedures & Policy MAPS of Maintenance	
25	29.7.2022	Review & Observation on Internship Training	

*(Handwritten Signature)*  
 (மே. பழனிசாமி)  
 HOD (IIC)



**Industry Name: SKM INDUSTRIES, HOSUR.**

<b>Days</b>	<b>Date(Tentative)</b>	<b>Details Of Activities(Planned)</b>	<b>Signature Of Industry HR</b>
1	01-07-2022	Introduction About Company	
2	02-07-2022	Introduction About Company	
3	04-07-2022	Mission, Vision Policies	
4	05-07-2022	Quality Basics	
5	06-07-2022	5s House Keeping Tool	
6	07-07-2022	5s House Keeping Tool	
7	08-07-2022	Incoming Quality Activities	
8	09-07-2022	In process Quality Activities	
9	11-07-2022	Final Quality Activities	
10	12-07-2022	SKM Products & Process	
11	13-07-2022	Production Process	
12	14-07-2022	Production Process	
13	15-07-2022	Production Process	
14	16-07-2022	Production Process	
15	18-07-2022	Production Process	
16	19-07-2022	Store Activities	
17	20-07-2022	Instruments Handling	
18	21-07-2022	Industrial Safety	
19	22-07-2022	Industrial Safety	
20	23-07-2022	TPM	
21	25-07-2022	TQM-Total Quality Management	
22	26-07-2022	TQM Tools	
23	27-07-2022	Industrial Discipline	
24	28-07-2022	Feedback About Students	
25	29-07-2022	Feedback About Students	

இருவ  
(இருவரின் கையொப்பம்)  
HSD(14)




# INTERNSHIP SCHEDULE FOR DIPLOMA STUDENTS

Industry Name: ESSAE GEARS TRANSMISSIONS PVT.LTD.HOSUR.

Day count	Date (Tentative)	Activities	Resp	P / A	Signature Industry HR
1	7/1/2022	Introduction about company - Start of internship	PLK	P	
			Board	A	
2	7/2/2022	Manufacturing technology Basics - Classroom session	PLK	P	
			PVN	A	
3	7/4/2022	Personal / Industrial Safety - Classroom session	PLK	P	
			Team	A	
4	7/5/2022	Instruments and Measurement techniques - Glass room session	PLK	P	
			Venu	A	
5	7/6/2022	Concepts of 5S - Classroom session	PLK	P	
			PVN	A	
6	7/7/2022	CNC Machine tool elements Basics - Classroom session	PLK	P	
			PVN	A	
7	7/8/2022	Incoming Quality		P	
			KSI	A	
8	7/9/2022	Make in works Quality		P	
			KSI	A	
9	7/11/2022	Final Quality		P	
			PVN	A	
10	7/12/2022	Manufacturing process -CNC Lathe Machine Operating Steps	Sarath	P	
			JRC	A	
11	7/13/2022	Manufacturing process -CNC Lathe Machine Operating Steps	Sarath	P	
			PLK	A	
12	7/14/2022	Manufacturing process -CNC Lathe Machine Operating Steps	Sarath	P	
			PLK	A	
13	7/15/2022	Manufacturing process -CNC Lathe Machine Operating Steps	Sarath	P	
			Board	A	
14	7/16/2022	Manufacturing process -CNC Lathe Machine Operating Steps	Sarath	P	
			PVN	A	
15	7/18/2022	Manufacturing process -CNC Lathe Machine Operating Steps	Sarath	P	
			Team	A	
16	7/19/2022	Manufacturing process -CNC Lathe Machine Operating Steps	Sarath	P	
			Venu	A	
17	7/20/2022	Manufacturing process -CNC Lathe Machine Operating Steps	Sarath	P	
			PVN	A	
18	7/21/2022	Manufacturing process -CNC Lathe Machine Operating Steps	Sarath	P	
			PVN	A	
19	7/22/2022	Stores - Raw material to Despatch		P	
			KSI	A	

20	7/23/2022	Stores - Raw material to Despatch		P	
			KSI	A	
21	7/25/2022	Stores - Raw material to Despatch		P	
			PVN	A	
22	7/26/2022	Kaizen / Standards / Documents		P	
			JRC	A	
23	7/27/2022	Kaizen / Standards / Documents		P	
			PLK	A	
24	7/28/2022	Feedback / Internship reports preparation	PLK	P	
				A	
25	7/29/2022	Internship report submission - End of internship	PLK	P	
			PLK	A	

  
 (அ.வசுதேவன்)  
 HOD (IIC)

DEPARTMENT OF  
ELECTICAL &  
ELECTRONICS  
ENGINEERING



**Department of Technical Education::Chennai-25**  
**Details of Internship Activities/curriculum**  
**Institution Name:- Government Polytechnic College, Uthangarai**  
**Department: Diploma in Electrical and Electronics Engineering**  
**Industry Name: Katterra India Private Limited, Krishnagiri**

Day	Date	Details of Activities(planned)	Signature of Industry HR
1	1.7.2022	Safety Induction Orientation Programme	
2	2.7.2022	basics and observation-precast	
3	4.7.2022	basics and observation-joinery	
4	5.7.2022	basics and observation-AL&G	
5	6.7.2022	basics and observation-POD	
6	7.7.2022	Understanding Precast Bay-1	
7	8.7.2022	Understanding Precast Bay-2	
8	9.7.2022	Understanding Precast Bay-3	
9	11.7.2022	Understanding Precast Bay-4	
10	12.7.2022	Understanding Precast Bay-5	
11	13.7.2022	Understanding Precast EOT's	
12	14.7.2022	understanding joinery process flow	
13	15.7.2022	understanding AL&G process flow	
14	16.9.2022	understanding POP process flow	
15	18.7.2022	knowledge of breakdown types	
16	19.7.2022	knowledge of Electrical Motors	
17	20.7.2022	knowledge of types of Electrical Connections	
18	21.7.2022	knowledge of preventive maintenance	
19	22.7.2022	knowledge of machinery work Instructions	
20	23.7.2022	knowledge of 5s Activities & Kaizer	
21	25.7.2022	knowledge of types of PLC	
22	26.7.2022	knowledge of types of Drives	
23	27.7.2022	knowledge of Spare Requirements	
24	28.7.2022	Procedures & Policy MAPS of Maintenance	
25	29.7.2022	Review & Observation on Internship Training	

*R. R. Ravichandran*

HOD I/c - EEE

(R. Ravichandran)



**Industry Name: HI- Reel Tech Private Limited,Hosur**

Days	Date (tentative)	Details of Activities(Planned)	Signature of IndustryHR
1	1.7.2022	Basic understanding of EMS	
2	2.7.2022	ESD awareness	
3	4.7.2022	Basic understanding of Project Management	
4	5.7.2022	Different types of components & material handling	
5	6.7.2022	Type process involved in EMS	
6	7.7.2022	Basic understanding of IPC & JDEC Standards for EMS	
7	8.7.2022	MSL components & Baking Process	
8	9.7.2022	Engineering activities	
9	11.7.2022	Process involved in SMT line	
10	12.7.2022	Offline activities in SMT	
11	13.7.2022	Different types of machine in SMT line	
12	14.7.2022	Basic understanding of Past printer machine	
13	15.7.2022		
14	16.9.2022	Basic understanding of SPI machine	
15	18.7.2022	Basic understanding of Pick & Place machine	
16	19.7.2022		
17	20.7.2022	Basic understanding of Reflow machine	
18	21.7.2022	Reflow Profiling & Process	
19	22.7.2022	Basic understanding of AOI machine	
20	23.7.2022		
21	25.7.2022	Basic understanding of THT and process	
22	26.7.2022	Basic understanding of Rework machine & Procedure	
23	27.7.2022	Basic understanding of conformal coating & procedure	
24	28.7.2022	Different level Quality inspection	
25	29.7.2022	Awareness Assembled Product Packing & Delivery to customer	

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(R. Ravichandran)

**Industry Name: DNR- Electrical Private Limited, Hosur**

Days	Date (tentative)	Details of Activities(Planned)	Signature of IndustryHR
1	1.7.2022	Safety induction orientation programme	
2	2.7.2022	Erection of lighting, Power DB's	
3	4.7.2022	Erection of cable tray	
4	5.7.2022	Laying of cables in cable tray	
5	6.7.2022	Glanding of cables	
6	7.7.2022	Termination of cables	
7	8.7.2022	Testing of lighting, Power DB's	
8	9.7.2022	Laying of earth flat	
9	11.7.2022	Erection of body earth pit	
10	12.7.2022	Erection of neutral earth pit	
11	13.7.2022	Testing of earth valve	
12	14.7.2022	Erection of main panel	
13	15.7.2022	Erection of APFC panel	
14	16.9.2022	Erection of ACB & VCB panel	
15	18.7.2022	Erection of transformers	
16	19.7.2022	Installation of CAMERA	
17	20.7.2022	Installation of SERVER BOX	
18	21.7.2022	Installation of EPABX	
19	22.7.2022	Testing of server	
20	23.7.2022	Erection of 11KV structure	
21	25.7.2022	HT cable termination using joint kit	
22	26.7.2022	Testing of cables	
23	27.7.2022	Installation of bus ways	
24	28.7.2022	Installation of motors	
25	29.7.2022	Erection of UPS	

*R. Ravichandran*

HOD /E - EEE

(R. Ravichandran)

**DEPARTMENT OF  
ELECTRONICS &  
COMMUNICATION  
ENGINEERING**




**Department of Technical Education:: Chennai – 25**  
**Details of Internship Activities / Curriculum**  
**Institution Name:-Government Polytechnic College, Uthangarai**  
**Department: Diploma in Mechanical Engineering**

**Industry Name: SKMT ELECTRONICS PRIVATE LIMITED**

<b>D ay</b>	<b>Sessio-I</b>		<b>Brk</b>	<b>Session-II</b>		<b>Signature of Industry HR</b>
<b>1</b>	<b>Introduction to industry usage &amp; monitoring tools</b>		<b>Brk</b>	<b>Introduction &amp; Applications of Robotics &amp; Embedded System. Manual Robotics practical session &amp; Assembling of a robotic car</b>		
	<b>Theory</b>	<b>Practical</b>	<b>Brk</b>	<b>Theory</b>	<b>Practical</b>	
<b>2</b>	<b>Introduction to basic electronic components.</b>	<b>Interfacin g various electronic componen ts</b>	<b>Brk</b>	<b>Development of Basic circuit</b>	<b>Interfaci ng IC555</b>	
<b>3</b>	<b>Concepts of AI &amp; sensors</b>	<b>Testing of sensors</b>	<b>Brk</b>	<b>Evaluation of project</b>		
<b>4</b>	<b>Evaluation of project</b>		<b>Brk</b>	<b>Concept of L293D IC</b>	<b>Impleme nting L293D IC in breadboa rd</b>	
<b>5</b>	<b>Line follower circuit basics</b>	<b>Calibratin g IR sensors</b>	<b>Brk</b>	<b>Introduction to ES &amp; Arduino</b>	<b>Driver &amp; software installati on</b>	
<b>6</b>	<b>Introduction to Basic shield</b>	<b>Interfacing Basic shield to Arduino</b>	<b>Brk</b>	<b>Interfacing motors to sensors</b>	<b>Intelligen t line follower</b>	
<b>7</b>	<b>Line follower, obstacle detector &amp; edge avoider</b>		<b>Brk</b>	<b>Competition, doubts &amp; practical session</b>		
<b>8</b>	<b>Evaluation of project</b>		<b>Brk</b>	<b>Introduction to ADC</b>	<b>Interfaci ng with Arduino</b>	
<b>9</b>	<b>Introduction to DTMF</b>	<b>Integrating DTMF with motors</b>	<b>Brk</b>	<b>Introduction to GSM</b>	<b>Integrati ng DTMF with motors</b>	
<b>10</b>	<b>Concepts of LCD</b>	<b>Simple animations on LCD</b>	<b>Brk</b>	<b>LCD display patterns</b>	<b>Counter design on LCD</b>	
<b>11</b>	<b>Evaluation of project</b>		<b>Brk</b>	<b>Evaluation of project</b>		
<b>12</b>	<b>Seven segment display</b>	<b>SSD with Arduino</b>	<b>Brk</b>	<b>Atmega 328 interfacing</b>	<b>ATM prototype</b>	
<b>13</b>	<b>Basics of touch screen</b>	<b>Interfacing touch screen to Arduino</b>	<b>Brk</b>	<b>Concepts of touch screen</b>	<b>Applicati ons of touch screen</b>	
<b>14</b>	<b>Advanced robot design</b>	<b>Integrating touch screen</b>	<b>Brk</b>	<b>Evaluation of project</b>		



15	Competition, doubts & practical session		Brk	Evaluation of project	
16	Soldering basics	Soldering on PCB	Brk	Serial communication	Serial communication
17	Introduction to MATLAB	Calculations using MATLAB	Brk	Integrating MATLAB with MC	Serial & Parallel interfacing
18	Integrating MATLAB with Arduino	Experiments using MATLAB	Brk	Evaluation of project	
19	Evaluation of project		Brk	Integrating MATLAB with SSD	Interfacing MATLAB with SSD
20	Live video graphy in MATLAB	Installing webcam in MATLAB	Brk	Introduction to accelerometer	Interfacing accelerometer with MC
21	Advanced accelerometer apps	Robot using accelerometer	Brk	Feedback algorithm	Line follower using robots
22	Competition, doubts & practical session		Brk	Evaluation of project	
23	Introduction to LCD	Hardware assembling on LCD	Brk	Introduction to IOT	Interfacing serial communication
24	GSM communication	Interfacing GPS, GSM & Arduino	Brk	ESP8266 communication	Interfacing google assistant
25	Evaluation of project		Brk	Certificate distribution cum farewell ceremony	

  
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 ( Dr. M. Lakshmi )

<b>BharatSanchar Nigam Limited</b> <b>RajivGandhiMemorialTelecomTrainingCenter(RGMTTC)Me</b> <b>enambakkam,Chennai– 16</b>					
<b>ImplementationofMobile NetworkModels</b> <b>(ForPolytechnicStudent</b> <b>s)</b>					
<b>TheorySessions</b>					
Day	Session I	Session II	Brk	SessionIII	SessionIV
1	IntroductiontoTelecom	Model telecomSite	Brk	Teleco mServi ces	NationalTelecom Policy
2	Battery, SMPS powerplant,Earthing andUPS	OFC	Brk	UG, Co-axial,Twisted pair andEthernetC ables	ResumeWriting
3	ElectromagneticRadi ationandAntennas	EPBT, Mobile andSmart PhoneConstructi on	Brk	VASservices	InterviewSkills
4	IntroductiontoBroadband	Introduction toIoT	Brk	Wi-Fi,Wi-MAX and Bluetooth	Customer ServicesCenter and marketingofTelecom Services
5	IntroductiontoFTTH	Industry4.0	Brk	Mobile NumberPorta bility(MNP)	RTI with respect toTelecom
6	MobileAntennaSystem	CellularConcept	Brk	Fundamental sofGSM	GSMArchitecture
7	GSMControlchanne ls& Radio resourcemanagemen t	Mobility&cal lmanagement	Brk	GPRS andEDG E	OverviewofCDMA
8	CDMA Codes andLogical Channels	RF Planning ofGSMandCo de PlanninginC DMA	Brk	Overview ofMobileG enerations	UMTSandWCDMA
9	HSPAandHSPA+	Drive Test (3G/2GNetworks )	Brk	Overviewof4G (LTE)andOF DMA	LTE-Advanced




10	Overview of 5G	5G and IoT	Brk	MNP	TEST
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Practical Sessions					
11	GSM-BTS- PR	GSM-BTS- PR	Brk	GSM - BSC -PR	GSM -BSC-PR
12	GSM-NSS-PR	GSM-NSS-PR	Brk	CDMA-BTS- PR	CDMA-BSC-PR
13	3G Node B-Equipment	3G Node B -Equipment	Brk	RF Planning Tool -PR	RF Planning Tool -PR
14	Battery -PR	Battery -PR	Brk	SMPS Power Plant -PR	SMPS Power Plant -PR
15	Engine -Alternator-PR	Engine- Alternator-PR	Brk	Air Conditioning -PR	TEST

### Real Time Field Exposure Training

Day	Session I	Session II	Brk	Session III	Session IV
16	Cellular Service Provisioning Team	Cellular Service Provisioning Team	Brk	Cellular Service Provisioning Team	Cellular Service Provisioning Team
17	Cellular Service Provisioning Team	Cellular Service Provisioning Team	Brk	Cellular Service Provisioning Team	Cellular Service Provisioning Team
18	Cellular Service Provisioning Team	Cellular Service Provisioning Team	Brk	Cellular Service Provisioning Team	Cellular Service Provisioning Team
19	SAP in Field Operations	SAP in Field Operations	Brk	SAP in Field Operations	SAP in Field Operations
20	SAP in Field Operations	SAP in Field Operations	Brk	SAP in Field Operations	SAP in Field Operations

21	RF Management Team	RF Management Team	Brk	RF Management Team	RF Management Team
22	RF Management Team	RF Management Team	Brk	RF Management Team	RF Management Team
23	BSS Maintenance Team	BSS Maintenance Team	Brk	BSS Maintenance Team	BSS Maintenance Team
24	BSS Maintenance Team	BSS Maintenance Team	Brk	BSS Maintenance Team	BSS Maintenance Team
25	BSS Maintenance Team	BSS Maintenance Team	Brk	BSS Maintenance Team	BSS Maintenance Team

  
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 ( Dr. M. LAKSHMI )




**DEPARTMENT OF  
COMPUTER SCIENCE  
ENGINEERING**

**Department of Technical Education:: Chennai-25**  
**Details of Internship Activities/curriculum**  
**Institution Name:- Government Polytechnic College, Uthangarai**  
**Department: Diploma in Computer Engineering**  
**Industry Name:Fathom Technocrafts, Hosur**


Day	Date(Tentative)	Details of Activities (Planned)	Signature of Industry HR
1	01-Jul-22	Introduction/Project overview	
2	02-Jul-22	Framework (User interface development)in Java platform	
3	04-Jul-22	Project Grouping	
4	05-Jul-22	Programming Basics	
5	06-Jul-22	Fundamentals on C&C++	
6	07-Jul-22	Basics on Data base Management	
7	08-Jul-22	Concepts in C and C++	
8	09-Jul-22	Java Fundamentals	
9	11-Jul-22	Concepts in Java	
10	12-Jul-22	Framework fundamentals	
11	13-Jul-22	Assessment of topic understanding	
12	14-Jul-22	Programming and Execution	
13	15-Jul-22	Explanation on Functions and methods in Project	
14	16-Jul-22	Overview on Data base requirements	
15	18-Jul-22	Assessment of topic understanding	
16	19-Jul-22	Java for front end development	
17	20-Jul-22	Graphical User interface – Introduction	
18	21-Jul-22	Creating Functions and methods	
19	22-Jul-22	Testing the codes	
20	23-Jul-22	Initial testing of GUI	

21	25-Jul-22	Assessment of topic understanding	
22	26-Jul-22	Project Methodology	
23	27-Jul-22	Report preparation	
24	28-Jul-22	Packaging and Testing	
25	29-Jul-22	Result Analysis	

  
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 ( Dr. M. LAKSHMI )

**Details of Internship Activities/curriculum**  
**Institution Name:- Government Polytechnic College, Uthangarai**  
**Department: Diploma in Computer Engineering**  
**Industry Name: Stack Posit Solutions India Private Limited, Hosur**  
**Details of Internship Activities/Curriculum**

Days	Date	Details of Activities (planned)	Signature of Industry HR
1	01-JUL-2022	Introduction about the Programming	
2	02-JUL-2022	Unix Basics -1	
3	03-JUL-2022	Unix Basics -2	
4	04-JUL-2022	Unix Basics -3	
5	05-JUL-2022	Unix Basics -4	
6	06-JUL-2022	Unix Basics -5	
7	07-JUL-2022	C Basics -1	
8	08-JUL-2022	C Basics -2	
9	09-JUL-2022	C++Basics -1	
10	10-JUL-2022	C++Basics -2	
11	11-JUL-2022	OracleBasics-1	
12	12-JUL-2022	OracleBasics-2	
13	13-JUL-2022	OracleBasics-3	
14	14-JUL-2022	OracleBasics-4	
15	15-JUL-2022	OracleBasics-5	
16	16-JUL-2022	OracleBasics-6	
17	17-JUL-2022	Banking Fundamental	
18	18-JUL-2022	Finacle Training (Banking software)-1	
19	19-JUL-2022	Finacle Training (Banking software)-2	
20	20-JUL-2022	Finacle Training (Banking software)-3	
21	21-JUL-2022	Finacle Training (Banking software)-4	
22	22-JUL-2022	Finacle Training (Banking software)-5	
23	23-JUL-2022	Finacle Training (Banking software)-6	
24	24-JUL-2022	Finacle Training (Banking software)-7	
25	25-JUL-2022	FinacleT raining (Banking software)-8	

  
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(Dr. M. Lakshmi)