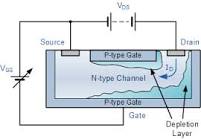
**PART B**

**AIM OF THE PROJECT : CHART ON** ABOUT ADVANTAGES AND DISADVANTAGES OF FIELD EFFECT TRANSISITORS.

**BRIEF DESCRIPTION :**

1. THE FIELD-EFFECT TRANSISTOR (FET) IS AN ELECTRONIC DEVICE WHICH USES AN ELECTRIC FIELDTO CONTROL THE FLOW OF CURRENT.
2. THE MOST COMMONLY USED FET IS THE MOSFET.
3. THE CMOS (COMPLEMENTARY METAL OXIDE SEMICONDUCTOR) PROCESS TECHNOLOGY IS THE BASIS FOR MODERN DIGITAL INTEGRATED CIRCUITS.
4. FETS ARE USED IN SWITCHING INTERNAL COMBUSTION ENGINE IGNITION COILS, WHERE FAST SWITCHING AND VOLTAGE BLOCKING CAPABILITIES ARE IMPORTANT.
5. .FET IS ALSO KNOWN AS UNIPOLAR TRANSISTOR.
6. ****THE PROJECT CONSIST OF A CHART DISPLAYING INFORMATION ABOUT ADVANTAGES AND DISADVANTAGES OF FET.

**AIM OF MICRO PROJECT :**

THIS MICRO PROJECT AIMS AT:

1. A COMPREHENSIVE STUDY OF ADVANTAGES AND DISADVANTAGES OF FET.
2. DISPLAYING THE CIRCUIT DIAGRAM OF THREE PHASE SUPPLY AND STAR CONNECTION.
3. THIS MICRO – PROJECT ALSO GIVES THE APPLICATIONS OF THREE PHASE SUPPLY,STAR CONNECTION.

**COURSE OUTCOME INTEGRATED :**

* Interpret the working of unopposed devices in electronic circuit
* Identify terminals of fet

**ACTUAL PROCEDURE FOLLOWED :**

1. **GROUP FORMATION:-** BEC IS A SUBJECT IN WHICH WE STUDY SOME BASIC ELECTRONICS CONCEPT . THE BASIC AIM OF MICRO- PROJECT IS TO ACCELERATE THE ATTAINMENT OF THE VARIOUSE OUTCOME IN THE COURSE.IN THE FIRST 2 WEEKS OF DECEMBER THE SUBJECT WAS INTRODUCED .THE SYLLABUS AS WELL AS DETAIL OF MICRO-PROJECT WAS DISCUSSED.THE GROUP OF 5 MEMEBERS WERE FORMED AND THE GROUP LEADERS WERE SELECTED.THE SCHEDULE OF PLAN “A”,”B”& “PRESENTATION” WERE FINALIZED.THE VARIOUSE MICRO-PROJECT TOPICS RELATED TO SUBJECT WAS DISCUSSED OUR GUIDE GAVE US THE OPPORTUNITY TO SELECT THE TOPIC OF OUR CHOICE.
2. **FINALIZATION OF MICRO-PROJECT:-** AFTER ATTENDING THE LECTURES FOR 2 WEEKS.WE SELECTED THE TOPIC FOR MICRO-PROJECT.WE DISCUSSED THE TOPIC WITH OUR GUIDE REGARDING THE CONCEPT WHICH WE ARE GOING TO APPLY IN THE PROJECT.WE INDIVIDUALLY TRIED TO EXPLAIN THE BASIC PLATFORM OF PROJECT.
3. **PLANNING:-** AFTER FINALIZATION OF THE PROJECT WE STARTED WORKING ON THE PROJECT.WE STARTED THE PLANNING PHASE.WE DISCUSSED AMONG OURSELVES REGARDING THE RESOURCES SUCH AS CHART PAPER,DECORATION,ETC IN THIS WEEK WE COMPLETED ‘PART A PLAN’ OF THE MICRO-PROJECT WHICH IS NOTHING BUT A INITIAL DESCRIPTION ABOUT THE PROJECT.WE SUBMITTED IT TO THE GUIDE.
4. **MODULE DISTRIBUTION &ANALYSIS PART:-** ONCE THE PLANNING WAS OVER REGARDING RESOURCES,ETC.WE FINALIZED THE MODULE WHICH WE WILL BE DESIGNING.ACCORDING TO MEMBERS WE DISTRIBUTED THE MODULE AMONG THEM.WE STARTED THE ANALYSIS OF PROJECT.
5. **DESIGN PART :-** IN THIS PART WE DECIDED HOW AND WHO WILL DESIGNE WHICH PAT OF CHART.
6. **IMPLEMENTATION :-** IN THE WEEK WE ACTUALLY STARTED THE TECHNICAL PHASE .IN THIS PHASE WE TECHNICALLY STARTED DESIGNING OUR CHART. EACH AND EVRY STUDENT DIDI THE WRITING PART AND DESIGNING PART ASSIGHNED TO THEM.FINALLY THE PROJECT WAS WITHIN THE SCHEDULE TIME.
7. **PRESENTATION :-** IN THIS WEEK WE HAVE TO PRESENT THE MICRO-PROJECT IN FRONT OF THE GUIDE.EACH MEMBER OF GROUP PRESENTED THEIR OWN PARTS WITH CONFIDENCE IN FRONT OF GUIDE.SHE ASKED US VARIOUSE QUERIES REGARDING THE TOPICS.WE PRESENTED THE DETAILS OF EACH CONCEPT OF THE TOPIC .SHE ASKED US TO DO VARIOUSE CHANGES REGARDING SOME TOPICS.
8. **SUBMISSION:-** THIS WEEK WAS SUBMISSION WEEK.WE SUBMITTED OUR PROJECT ALONG WITH ‘PART A & B PLAN’ TO THE GUIDE.WE ALSO SUBMITTED THE HARD COPIES AND SOFT COPIES OF PROJECT TO THE GUIDE

**ACTUAL RESOURCES USED :**

|  |  |  |
| --- | --- | --- |
| **SR NO** | **ME OF RESOURCES REQUIRED** | **QUANTITY** |
| 1 | CHART PAPER | 1 |
| 2 | SCISSORS & FEVICOL | 1 |
| 3 | DECORATIVE MATERIAL | -- |

**OUTPUT OF THE MICRO PROJECT :**

THE OUTPUT OF THE PROJECT IS ACCORDING TO FOLLOWING INDEX :

|  |  |
| --- | --- |
| SR NO | CONTENT |
| 1 | REFERENCES |

REFERENCES

WE DO HAVE USED A FEW REFERENCES DURING THE PROCESS OF BUILDING OUR PROJECT. THE REFERENCES USED ARE FROM WEBSITES, BOOKS ETC.

THE REFERENCES USED ARE:

WEBSITES:

1: WWW.QUORA.COM.

2: WWW.ELPROCUS.COM.

3: WWW.NIDEC.COM.

REFERENCE BOOKS:

1: FET AND TYPES.

2:INTRODUCTION TO FET

**SKILL DEVELOPED/LEARNING OUT OF THIS MICRO PROJECT :**

WE HAVE LEARNED TO WORK AS A GROUP, SHARE DATA. WE HAD LEARNT HOW TO HAVE ACTIVE DISCUSSIONS