# GOVERNMENT POLYTECHNIC AWASARI

**(KH)**

A MICRO-PROJECT REPORT

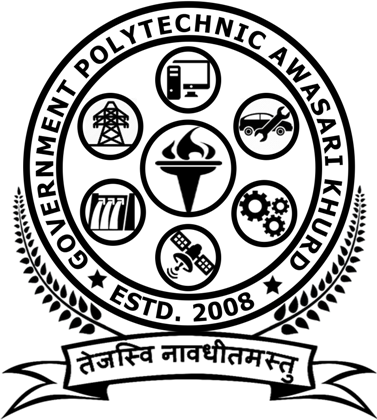
ON

## “Prepare a detail report on MANET, MANET Topologies, Types of MANET, Application of MANET, Design challenges in MANET”

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF

DIPLOMA IN

**Department of Information Technology**



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION MUMBAI

SUBMITTED BY

|  |  |
| --- | --- |
| Name of Students | Enrolment No. |
| Walkikar Meghraj | 1910510469 |
| Kale Tanuja | 1810510281 |
| Naikwadi Sanket | 1910510472 |
| Dherange Dnyaneshwari | 1910510473 |
| Nikam Dinesh | 1810510248 |

Under the Guidance Of

Ms.S.S.Devkule

**Annexure – I**

**Part – A**

**Micro-Project Proposal**

**Title of Micro-Project**

**Prepare a detail report on MANET, MANET Topologies, Types of MANET, Application of MANET, Design challenges in MANET**

* 1. **Aim/Benefits:**
     + **Aim:** Prepare a detail report on MANET, MANET Topologies, Types of MANET, Application of MANET, Design challenges in MANET
     + **Benefits:**
       - No expensive infrastructure must be installed
       - Use of unlicensed frequency spectrum
       - Quick distribution of information around sender
       - Use of ad-hoc networks can increase mobility and flexibility, as ad-hoc networks can be brought up and torn down in a very short time.
       - Ad-hoc networks can be more economical in some cases, as they eliminate fixed infrastructure costs and reduce power consumption at mobile nodes.
  2. **Course Outcomes Addressed:**
     + Maintain wireless network technologies
     + Maintain Ad hoc and wireless sensor network.
  3. **Proposed Methodology:**
     + First of all, Micro-Project group formation happens under the suggestion and guidance of subject teacher whereas a total five members in one group.
     + The teacher had assigned one set of Micro Project and asked the students to create a report On MANET, MANET Topologies, Types of MANET, Application of MANET, Design challenges in MANET
     + We search the information about the project for requirement analysis of the project using sources such as the internet and different reference books (Will Mention in the project report).
     + Next, we arranged the components and material required for project (Will mention in the project report).
     + Then we type the required Micro-Project Proposal that is Part-A and done proper page set up and submitted to the subject teacher.
     + After the setup of part- A we prepare a report on MANET, MANET Topologies, Types of MANET, Application of MANET, Design challenges in MANET
     + After finishing all the typing we arranged all the data in proper arrangement. We selected proper margin font, layout, A4 size etc.
     + Finally, we will prepare a Micro-Project Report and as per the process of micro-project submission, we will submit it to the subject teacher.

**4.0 Action Plan:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Details of activity** | **Planned starts date** | **Planned finish date** | **Name of responsible Team members** |
| 1 | Formation of project group |  |  |  |
| 2 | Allocation of project title by |  |  |  |
|  | subject teacher |  |
| 3 | Conduct the information |  |  |  |
|  | search about the project for |  |
|  | requirement analysis of the project | Walkikar Meghraj |
|  |  | Kale Tanuja |
| 4 | Procurement/Arrangement |  |  |  |
|  | of components and material required for project | Naikwadi Sanket |
|  |  | Dherange Dnyaneshwari |
| 5 | Testing calibration and prototype development |  |  | Nikam Dinesh |
| 6 | Report preparation |  |  |  |
| 7 | Project Finalization |  |  |  |
| 8 | Submission of project |  |  |  |

**5.0 Resources Required:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Name of Resource/material** | **Specifications** | **Qty** | **Remarks** |
| 1 | Computer system | 4 GB ram I3 core | 1 | **\_** |
| 2 | Operating system | Windows | 1 | **\_** |
| 3 | Printer | HP inkjet | 1 | **\_** |

**6.0 Names of Team Members with Enrolment Nos. :**

|  |  |  |
| --- | --- | --- |
| Name of Students | Roll No | Enrolment No. |
| Walkikar Meghraj | 20IF356 | 1910510469 |
| Kale Tanuja | 20IF350 | 1810510281 |
| Naikwadi Sanket | 20IF359 | 1910510472 |
| Dherange Dnyaneshwari | 20IF360 | 1910510473 |
| Nikam Dinesh | 20IF324 | 1810510248 |

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