**PROJECT SYNOPSIS**

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| DEPARTMENT | Computer Science and Engineering | | | | |
| TITLE OF THE PROJECT | Topology with Email, HTTP and DNS services | | | | |
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| MINI - PROJECT TIMELINE  (Tentative Start date- End Date) | August 2018 to December 2018 | | | | | | |
| PROJECT GUIDE DETAILS | Prof. Asnika | | | | | | |
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| FIELD OF PROJECT | Network topology is the arrangement of the elements of a communication network. Network topology  can be used to define or describe the arrangement of various types of telecommunication networks. A  topology can be used to implement various services that allow users to do various actions. By implement-  ing HTTP, DNS and email services, the nodes in the topology will be able to utilize these services. | | | | | | |
| Background of PROJECT with regard to the drawback associated with EXISTING PRODUCT/PROJECT | Today, every system is connected to anything via a topology. Whether it be a wireless connection to the  Internet or a wired connection in a lab, topologies exist to help various nodes to perform various  actions like communication, data transfer and so on.  A topology is an arrangement of the elements in a communication network. This will demonstrate how  nodes will communicate with each other while connected in a network. We can understand how the  nodes will be able to send data, ping each other, email and so on. | | | | | | |
| OBJECTIVE OF THE PROJECT | This topology will help us understand how nodes connected in a network will communicate with each  other by pinging each other, sending data and emails and so on using the Cisco packet tracer. | | | | | | |
| PROJECT STATEMENT | Developing a topology of the systems in the CS department to implement Email, HTTP, and DNS services  onto nodes across the network. | | | | | | |
| SUMMARY OF THE PROJECT | By using the Cisco packet tracer, we will develop a topology of the various systems available in the CS  Department of DSCE to be able to send Emails to each other, ping each other, use HTTP and DNS  services. | | | | | | |
| MODE OF CARRYING OUT THE PROJECT  (Give details such as Lab/ /Innovation Lab details.) | The project will be carried out in the Computer Science Labs of the Computer Science and Engineering  Department of DSCE. This project is carried out using networking components. | | | | | | |
| INTENDED BENEFICIARIES OF THE PROJECT (industrial/commercial/R&D/social) | The project mainly targets for home and office work purposes. If one wants to switch the computer as  fast as possible instead of wasting time to manually switch on the computer then this project can be  used in such situations. | | | | | | |
| ADD DRAWINGS / FLOW CHART WITH BRIEF DESCRIPTION |  | | | | | | |
| ABSTRACT | The Topology of the CS Department will allow us to understand how various systems across  the department will be able to perform various services through the network. | | | | | | |