**Lesson Plan Form**

**Course Title: Computer Networks**

**Course Code: ETE-331**

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| Title: **Enhanced Interior Gateway Routing Protocol(EIGRP)** | Ref. No:**ETE 331/18** |
| Target Population: **25** | Duration**90 minutes** |
| Aims/Rationale: **This chapter discusses the features of Enhanced Interior Gateway Routing Protocol (EIGRP), a Cisco routing protocol that is designed to address the shortcomings of both distance vector and link-state routing protocols. The chapter expands on the underlying technologies in EIGRP, including the path selection process.** |
| **Learning Outcomes:** At the end of the session participant will be able to configure, verify, and troubleshoot EIGRP. This ability includes being able to meet these objectives:* Describe the operation and configuration of EIGRP, including load balancing and authentication.
* Identify an approach for troubleshooting common EIGRP problems and offer solutions
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| **Content** | Method or Technique | Resource or Aid | Time |
| Introduction: **Welcome address****Rapport building****Bridging topic****Layout/ content outline****Attendance****Pre-assessment** | **Lecture****Q/A** | **W/B** | **10 minutes** |
| Development:Section-A**EIGRP Fundamentals** **EIGRP Features**Section-B**EIGRP Components****EIGRP Concept*** Neighbor tables
* Topology tables
* Feasible Successor
* Route Sates
* Packet Formats
* External Vs Internal Routes
* DUAL

Section-C**EIGRP Configuration Command****Limitations of EIGRP** **Summery**  | **Lecture****Discussion** **Do** **Do** **Do** | **W/B****MMP****Video** | **15 minutes** **30 minutes** **25 minutes** |
| Conclusion:**Recap main points****Feedback & answer****Assessment of LOs****Reference****Forward plan** | **Lecture****Discussion****Q/A** |  | **10 minutes** |
| Equipment & aids: **Optional** |