**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 | | | | |
| **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** | | | | |