



**SURVEY ARTICLE**

## **A Survey on Knowledge Based Classification of Different Routing Protocols in Delay Tolerant Networks**

*Chintan B. Desai<sup>1</sup>, Vyomal N. Pandya<sup>2</sup>, Prof. Sarman K. Hadia<sup>3</sup>*

<sup>1</sup>Charotar University of Science & Technology, Changa, Gujarat, India

<sup>2</sup>C. K. Pithawalla College of Engineering & Technology, Surat, Gujarat, India

<sup>3</sup>Charotar University of Science & Technology, Changa, Gujarat, India

<sup>1</sup>chitudesai10@gmail.com; <sup>2</sup>vyomal.pandya@ckpcet.ac.in; <sup>3</sup>skhadia.ec@charusat.ac.in

---

*Abstract— Now a days, current wireless networks have provided a wide range of applications making it possible to successfully interconnect devices and systems, such as a mobile phone to a powerful server all around the world. Modern Internet protocols exhibits inefficient performance in those networks where the connectivity between end nodes has intermittent property due to dynamic topology such as Mobile Ad-hoc Networks (MANET) or Vehicular Ad-hoc Networks (VANET). The network environments where the nodes are characterized by opportunistic connectivity are referred to as Delay Tolerant Networks (DTNs). DTNs have been one of the growing areas of interest characterized by the significant amount of research efforts invested in this area over the past decade. Routing is one of the major issues affecting the overall performance of DTN networks in terms of resource consumption, data delivery and latency. Over the past few years a number of routing protocols have been proposed for DTN networks. This paper mainly focuses on classification and description of these routing protocols.*

**Key Terms:** - *Delay Tolerant Network, Routing in DTNs, Deterministic Routing, Stochastic Routing.*

---

Full Text: <http://www.ijcsmc.com/docs/papers/March2013/V2I3201316.pdf>