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•	Paper Title:	A Survey on Selfish Node Detection Using Several Techniques in MANET	
	Abstract: The term MANET (Mobile Ad-hoc Network) refers to a multihop packet based wireless network composed of a set of mobile nodes that can communicate and move at the same time, without using any kind of fixed wired infrastructure. MANET is actually self-organizing and adaptive network that can be formed and deformed on-the-fly without the need of any centralized administration. In practice some of the nodes in MANET act as selfish node that is such kind of nodes reserve their resource and energy for its own use but they do not cooperate with other nodes in the network. This paper discusses several techniques to detect selfish nodes in MANET.		
•	References: 1. Dipali Kosh hoc Networ 2. Khairul Azr 3. Prasanna Prechniques of the property o	ti and Supriya Kamoji, "Comparative study of Techniques used for Detection of Selfish Nodes in Mobile Ad ks", IJSCE, vol. 1, issue – 4, September 2011. admanabhan, Le Gruenwald, Anita Vallur and Mohammed Atiquzzaman, "A survey of data replication for mobile ad hoc network databases", the VLDB Journal, 2008. iardi and Refik Molva, "CORE: A collaborative reputation mechanism to enforce node cooperation in mobile vorks," Sixth IFIP conference on security communications, and multimedia (CMS 2002), Portoroz, Slovenia, Giuli, K.Lai and M.Baker, "Mitigating Routing Misbehavior in Mobile Ad-Hoc Networks," in Proc. ACM (p. pp. 25) a Sukumaran, Venkatesh. J and Arunkorah, "A Survey of Methods to mitigate Selfishness in Mobile Ad hoc International JICT, vol. 1, no. 2, June 2011. Gupta, Nagpal. C.K. and Charu Singla, "Impact of Selfish Node Concentration in MANETs", International Vireless & Mobile Networks (IJWMN), vol. 3, no.2, April 2011. ara, "Effective Replica Allocation in Ad hoc Networks for Improving Data Accessibility, "IEEE INFOCOM, ara, Norishige Murakami and Shojiro Nishio, "Replica Allocation for Correlated Data Items in Ad Hoc Sensor SIGMOD Record, vol. 33, no.1, March 2004. ulti Hop Acknowledgement Scheme based Selfish Node Detection in Mobile Ad hoc Networks", International Computer and Electrical Engineering, Vol. 3, No. 4, August 2011. g, "Balancing the Trade-Offs between Query Delay and Data Availability in MANETs", IEEE Transactions on Distributed Systems, vol. 23, no. 4, April 2012.	1-4
	Authors: Dillip Kumar Mahapatra, Tanmaya Kumar Das, Gurudatta Lenka		
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	by teams. In increasing at a and suitably worldwide are characteristics most common exposing some Keywords: C Satisfaction, S References: 1. Beise, C., manageme 18). Wash: 2. Binder, J. borders. A 3. Biuk-Agha Internation Massachus 4. Brander, E	he challenging field of software project development, the work is invariably performed today's world of privatization and globalization, where the development costs are breakneck speed, the focus is now on cost reduction and availability of highly motivated trained workforce. Keeping the above mentioned parameters in mind, Companies e relying on virtual software teams to do the work. This paper highlights the and throws light on the specifics of virtual software teams. It also illustrates some of the issues and challenges that virtual teams face while working on a project there by of the ground realities as de scribe the most. Cohesion, Complexity Factor, CSCW, Cultural Difference, Face-to-Face Interaction, ocio-Emotional Process, Virtual Team. Evaristo, R., & Niederman, F. (2003). Virtual meetings and tasks: from GSS to DGSS to project ant. Proceedings of the 36th Annual Hawaii International Conference on System Sciences (str. 9-ington, DC, USA:IEEE Computer Society. (2007). Global project management: communication, collaboration and management across idershot, Hampshire, England: Gower Publishing Ltd. ii, R. (2001). Visualizing Structural and Behavioural Aspects of Virtual Collaboration. Tenth IEEE and Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises. Setts, USA: IEEE. i., & Mark, G. (2002). Why Distance Matters: Effects on Cooperation, Persuasion and Deception.	5-10
		, November 16–20, 226-235. , & Bell, M. (2004). CSCW at play: 'There' as a collaborative virtual environment. Proceedings of	

- 9. Carstensen, P., & Schmidt, K. (1999). Computer Supported Cooperative Work: New Challenges to Systems Design. U I. Kenji, Handbook of Human Factors. Tokyo.
- 10. Powell, A., Piccoli, G. and Ives, B. (2004) Virtual Teams: A Review of Current Literature and Direction for Future Research, The DATA BASE for Advances in Information Systems, 35, 6 36.