SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore-560057

Department of Computer Science and Engineering

Certificate

Certified that the project work entitled **"Dynamic Routing for Data Integrity and Delay Differentiate Services in Wireless Sensor Networks"** carried out by RAJU H (1SG11CS064), SATYAM KUMAR (1SG11CS072) ,VASANT RAINA (1SG11CS091), AMIT DEVGAN (1SG10CS007) , bonafide students of **this institute**, in partial fulfillment for the award of **Bachelor of Engineering** in **Compute Science and Engineering** of **Visvesvaraya Technological University, Belgaum** during the academic yea **2014-15.** It is certified that all corrections/suggestions indicated for internal assessment have been incorporate in the report deposited in the department library. The project report has been approved as it satisfies th academic requirements in respect of Project work prescribed for the said degree.

Signature of the Guide	Signature of the HOD	Signature of the Principal
Mrs. Pathanjali C	**Dr. C.M.Prashanth**	**Dr. Aswath Kumar M**
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2……..	……..

ABSTRACT

Applications that run on the same Wireless Sensor Network (WSN) platform generally are vailable with different Quality of Service (Quality of Service) requirements. The two common ecessaries are low delay and high data integrity. In most situations, these two requirements have ot satisfied simultaneously. In this project, considering the concept of potential in physics, a ulti-path dynamic routing algorithm(IDDR) is used in order to resolve this conflict. By nstructing a virtual hybrid potential field, IDDR separates packets of applications with different uality of Service requirements. According to the weight assigned to each packet, and routes them wards the sink through different paths to improve the data fidelity for integrity-sensitive plications and simultaneously reduce the end-to-end delay for delay-sensitive ones.