

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JNANASANGAMA” BELGAUM-590014

KARNATAKA



PROJECT REPORT

ON

**“INTEGRATED SCADA BASED APPROACH FOR PIPELINE
SECURITY AND OPERATION”**

**SPONSORED BY KARNATAKA STATE COUNCIL FOR SCIENCE AND
TECHNOLOGY(KSCST),IISc,BANGALORE**

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS

FOR THE AWARD OF THE DEGREE

BACHELOR OF ENGINEERING

IN

Electronics and communication

Submitted by:

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|---------------------------|--------------|
| 1. ASMA RAFEEQ AHMED KHAN | [1CG10EC009] |
| 2. AYESHA TABASSUM | [1CG10EC010] |
| 3. BHAVANI K | [1CG10EC012] |
| 4. NAGARJUN M | [1CG10EC055] |

Under the guidance of

Dr. SURESH D S

Professor & Head

Dept . of ECE,

CIT , Gubbi



Channabasaveshwara Institute of Technology

(An ISO 9001:2008 Certified Institution)

Affiliated to Visvesvaraya Technological University, Belgaum & Recognized by AICTE New Delhi

NH 206 (B.H. Road), Gubbi, Tumkur – 572 216, Karnataka.



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

JUNE -2014

ABSTRACT

Fast and accurate leak detection and leak localization are critical functions for pipelines. In addition to the economic reasons for leak detection, there are also environmental constraints. Fast acting and reliable leak detection and leak location systems that minimize false alarms and are integrated into the pipeline. SCADA system provide the pipeline operators with the real-time information they need when a problem occur so that they can take necessary action. The SCADA system provides the common data collection interface where pipeline process information is gathered and displayed. The proposed system provides a visualization of the information generated by the leak detection and leak location systems.