

**SECOND YEAR B. TECH THIRD SEMESTER**  
**COMPUTER SCIENCE AND ENGINEERING DEPARTMENT**  
**MINI PROJECT REPORT (OOP)**

**ON**  
**CONTACT MANAGEMENT SYSTEM**

**By**  
**Rohan Udhwani BT21CSE092**  
**Prateek Singh BT21CSE083**  
**Advait Shendage BT21CSE076**



**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,**  
**NAGPUR**  
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## **BACKGROUND OF PROJECT:**

A contact management application tracks your business contact information. It is a database for the communications you make daily, including names, addresses, emails, and phone numbers. You can use a contact manager to easily organise and find all the information linked to business communications.

In recruiting, you can use a contact management tool to keep track of candidate and client contact information. The application integrates all your contact information for different job orders.

It can also be used by any general user, for regular use to manage contacts.

The main idea behind was to develop a single multipurpose software which can be used by enterprises for storing and accessing employee and customer contacts as well as for general user for his day to day contacts which can be used in web or computers as well.

## **Oops concepts used**

- Constructors
- “this” reference
- Overloading Methods
- Overriding Methods
- Native Methods (Ex: toString())
- Abstract classes and methods
- Inheritance
- Lambda functions
- ‘var’ keyword
- Interface
- Exception Handling
- Arrays and Array List
- Packages
- File Handling
- DOM in java
- In line HTML
- Basics of GUI
- XML handling

# Packages used

- CMS.Person
- CMS.Main
- javax.swing.\*
- javax.swing.text.BoxView
- java.awt.\*
- java.awt.event.ActionEvent
- java.awt.event.ActionListener
- java.awt.event.FocusEvent
- java.awt.event.FocusListener
- org.w3c.dom.\*
- org.xml.sax.SAXException
- javax.xml.parsers.DocumentBuilder
- javax.xml.parsers.DocumentBuilderFactory
- javax.xml.parsers.ParserConfigurationException
- javax.xml.transform.\*
- javax.xml.transform.dom.DOMSource
- javax.xml.transform.stream.StreamResult
- java.io.File
- java.io.IOException

# Classes used

- ActionListener
- GUI
- Main