# MEGHNAD SAHA INSTITUTE OF TECHNOLOGY

*Nazirabad, P.O. - Uchhepota, Near URBANA Complex, Anandapur, Kolkata 700 150*

**BACHELOR OF COMPUTER APPLICATION**



LABORATORY NOTE BOOK

MAKAUT ODD SEMESTER 2023

PAPER CODE: BCAC592

PAPER NAME: COMPUTER NETWORKING LAB

STUDENT NAME: RUPAK SARKAR

STUDENT NAME: ABHIRAJ SARDAR

ROLL NO: 31001221010

REGN. NO.: 213101001210001

YEAR: 3rd

SEMESTER: 5th

SECTION: BCA

SESSION: 2021-2024



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## “LIST OF ASSIGNMENT/EXPERIMENT SUBMISSION DETAILS”

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| **SL.**  **NO.** | **ASSIGNMENT / EXPERIMENT NAME** | **DATE OF ASSIGNMENT**  **/ EXPERIMENT DONE** | **DATE OF SUBMISSION** | **CHECKED BY** | **REMARKS**  **(ANY DEVIATION REGARDING SUBMISSION DATES, CONTENT, FORMAT, ETC)** |
| 1. | Write a Socket program to implement Day Time Server-client using TCP/UDP protocol. | 08/10/23 | 08/10/23 |  |  |
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OBSERVATIONS / COMMENTS ON THE OVERALL PERFORMANCE:

Signature in full with date

Faculty / Technical Assistant

**Assignment-5**

**Q1. Write a Socket program to implement Day Time Server-client using TCP/UDP protocol.**

**File : DateTimeServer.java**

import java.io.\*;

import java.util.\*;

import java.net.\*;

public class DateTimeServer {

    public static void main(String args[]) throws IOException{

        System.out.println("Hello I am Server...");

        System.out.println("Server is Running....");

        ServerSocket ss =new ServerSocket(8000);

        System.out.println("waiting for Client Response...");

        Socket cc = ss.accept();

        DataInputStream in = new DataInputStream(cc.getInputStream());

        String msg=in.readUTF();

        System.out.println("Client: "+msg);

        DataOutputStream out = new DataOutputStream(cc.getOutputStream());

        out.writeUTF("Todays Date & Time is: "+(new Date()).toString());

    }

}

**File : DateTimeClient.java**

import java.io.\*;

import java.net.\*;

public class DateTimeClient {

    public static void main(String args[]) throws IOException{

    System.out.println("Hello I am Client...");

    Socket cs = new Socket("localhost",8000);

    System.out.println("You are Connected to server!!!");

    DataOutputStream out = new DataOutputStream(cs.getOutputStream());

    out.writeUTF("Hi Server....What is Todays Date??");

    DataInputStream in = new DataInputStream(cs.getInputStream());

    String msg = in.readUTF();

    System.out.println("Server: "+msg);

    }

}

Output:



