

**COURSE CODE: ICE-3108**

**COURSE TITLE: COMPUTER ARCHITECTURE AND MICROCONTROLLER DESIGN SESSIONAL**

**DEPARTMENT OF INFORMATION AND COMMUNICATION ENGINEERING**

**FACULTY OF ENGINEERING AND TECHNOLOGY**

**PABNA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**EXPERIMENT NO: 01**

**EXPERIMENT NAME:** **WRITE A PROGRAM FOR BLINKING LED USING PIC MICROCONTROLLER.**

**DATE OF SUBMISSION: 07/11/2023**

**SUBMITTED to**

**Tarun Debnath**

**Assistant Professor**

**Department of Information and Communication Engineering, Pabna University of Science and Technology.**

**SUBMITTED BY**

**Sajeeb Kumar Ray**

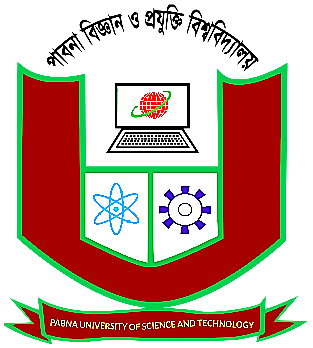
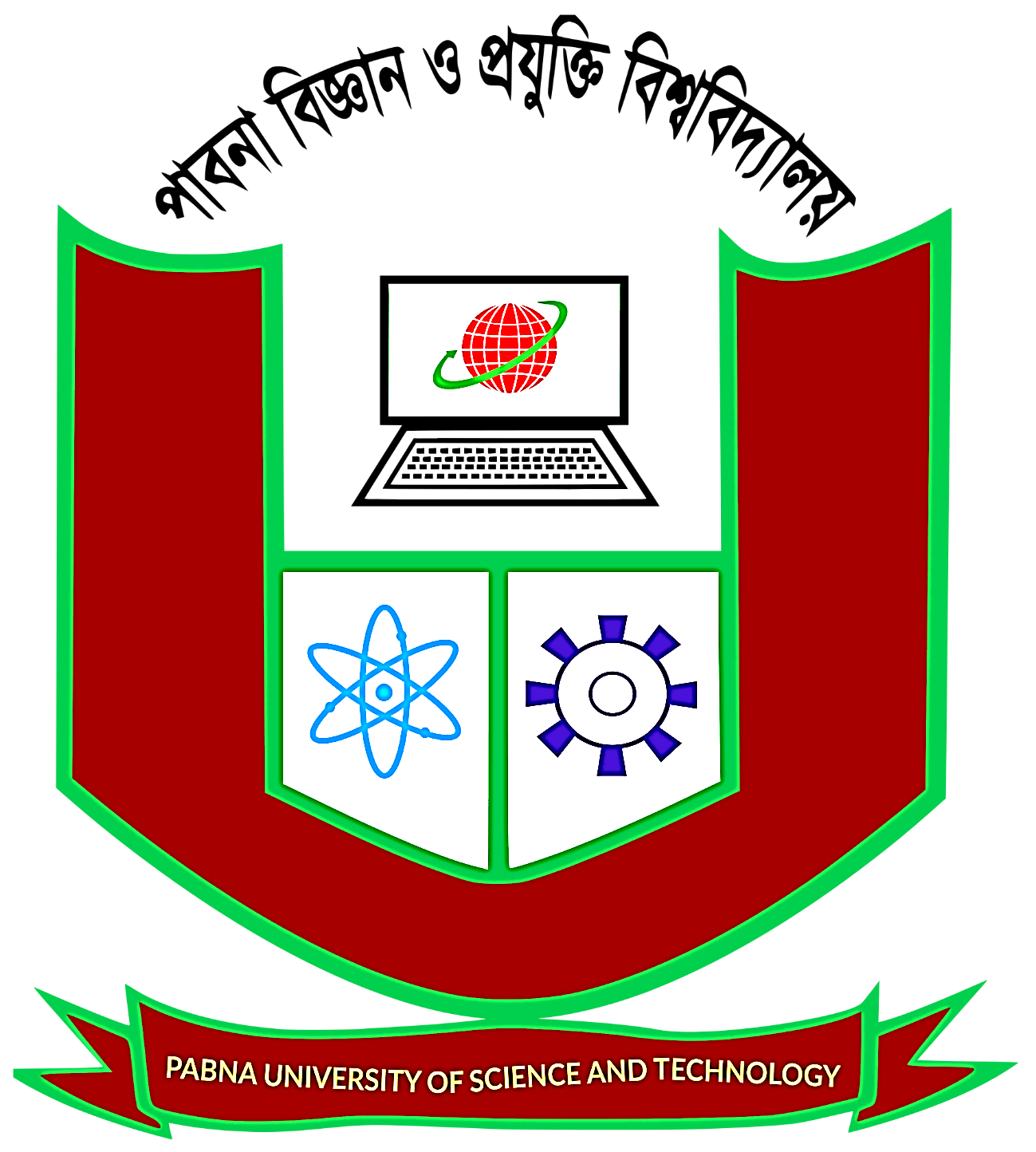
**Roll: 200622**

**Session: 2019-20**

**3rd year and 1st Semester**

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**EXPERIMENT NO: 02**

**EXPERIMENT NAME: WRITE A PROGRAM TO COUNT 0 TO 9 IN 7 SEGMENT DISPLAY USING PIC MICROCONTROLLER.**

**DATE OF SUBMISSION: 07/11/2023**

**SUBMITTED to**

**Tarun Debnath**

**Assistant Professor**

**Department of Information and Communication Engineering, Pabna University of Science and Technology.**

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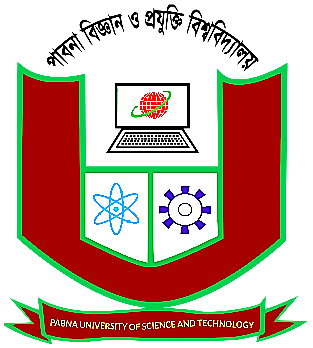
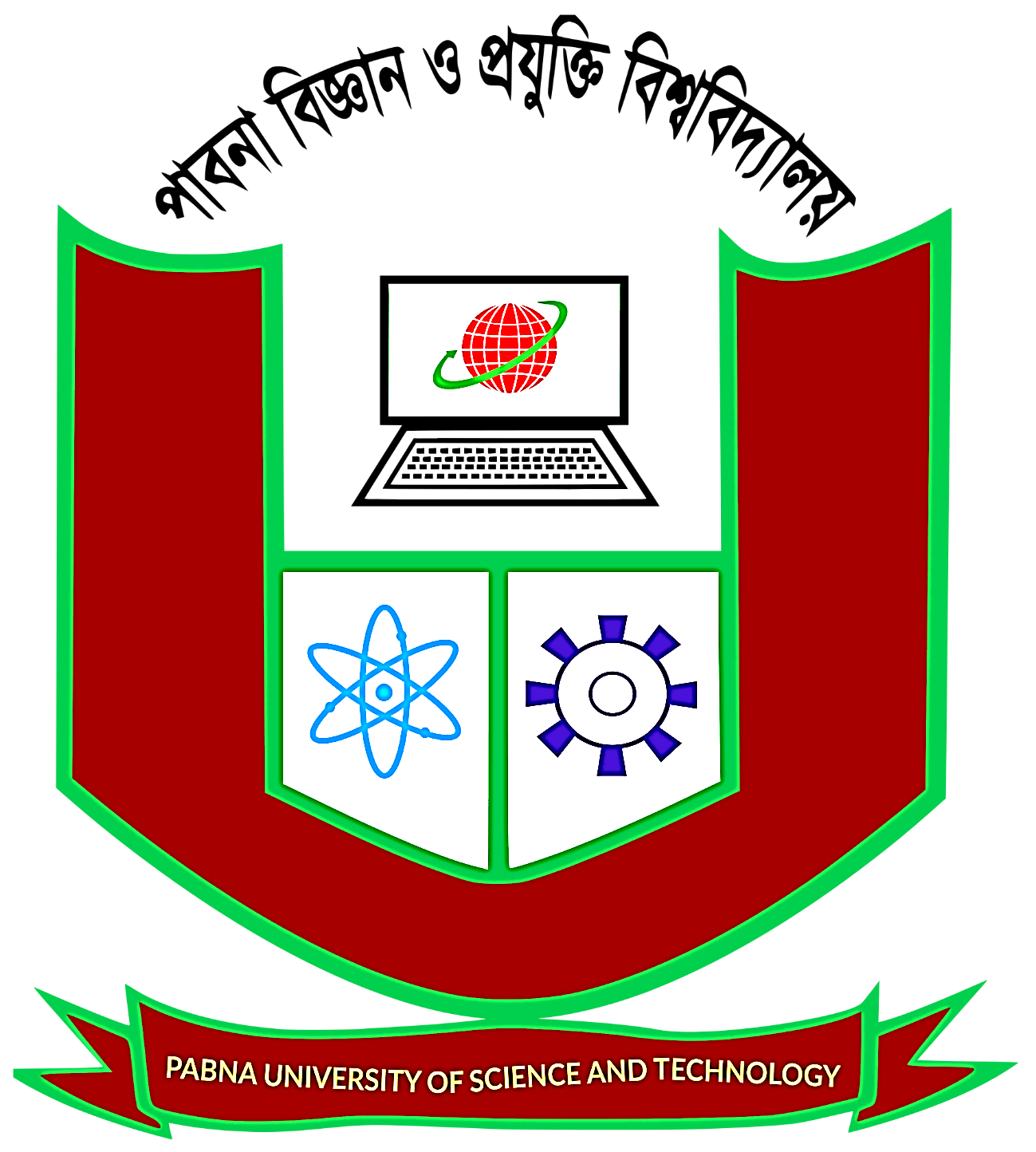
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**EXPERIMENT NO: 03**

**EXPERIMENT NAME: WRITE A PROGRAM TO DISPLAY ADC VALUE IN THE VIRTUAL TERMINAL USING PIC MICROCONTROLLER.**

**DATE OF SUBMISSION: 07/11/2023**

**SUBMITTED to**

**Tarun Debnath**

**Assistant Professor**

**Department of Information and Communication Engineering, Pabna University of Science and Technology.**

**SUBMITTED BY**

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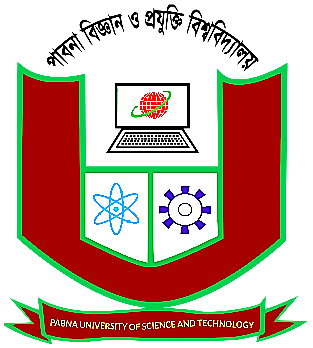
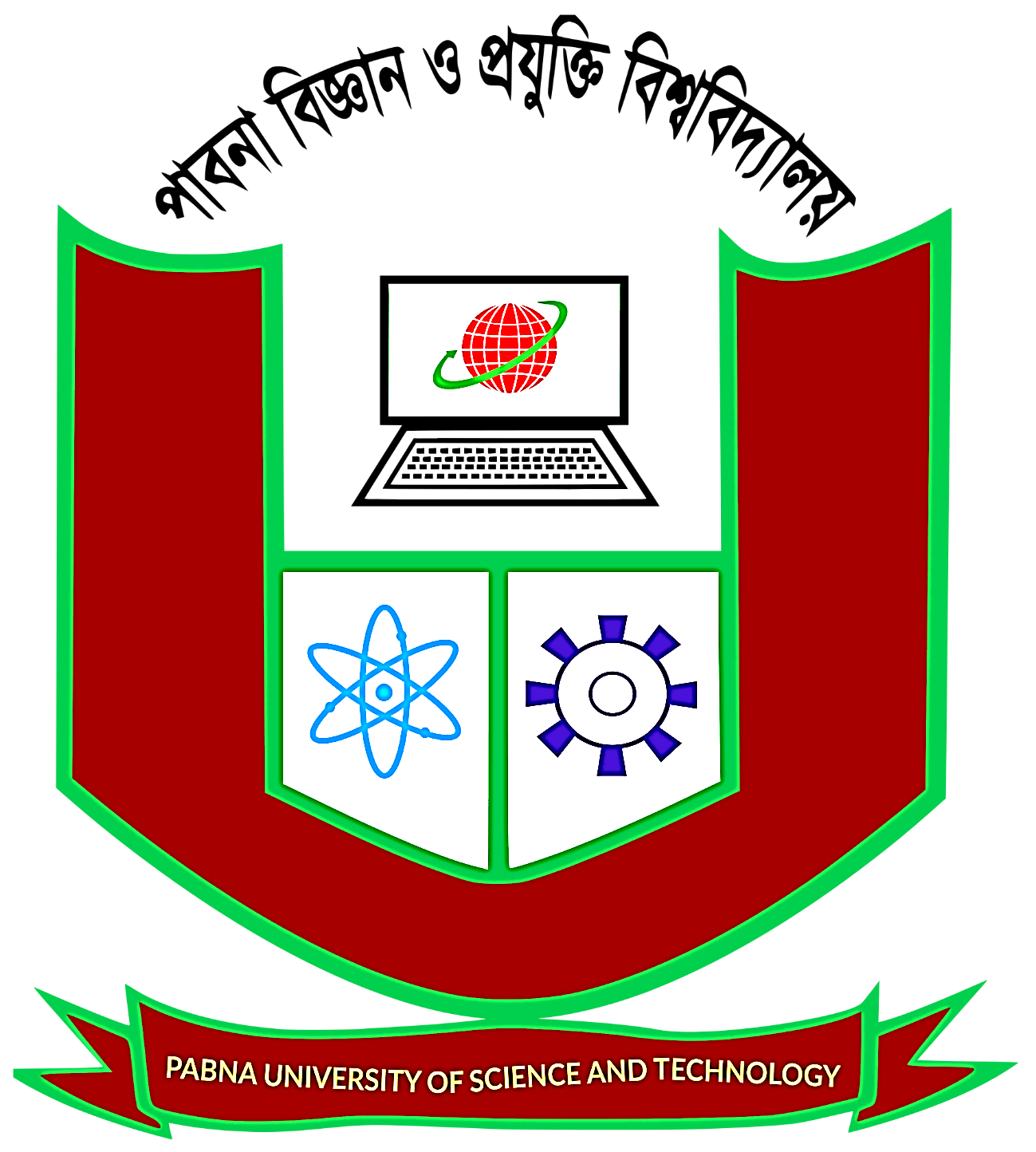
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**EXPERIMENT NO: 04**

**EXPERIMENT NAME: WRITE A PROGRAM TO DISPLAY 2-DIGIT NUMBER USING 7 SEGMENT MULTIPLEXING TECHNIQUE.**

**DATE OF SUBMISSION: 07/11/2023**

**SUBMITTED to**

**Tarun Debnath**

**Assistant Professor**

**Department of Information and Communication Engineering, Pabna University of Science and Technology.**

**SUBMITTED BY**

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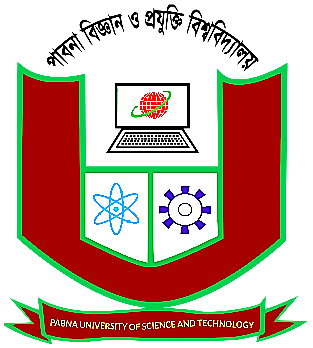
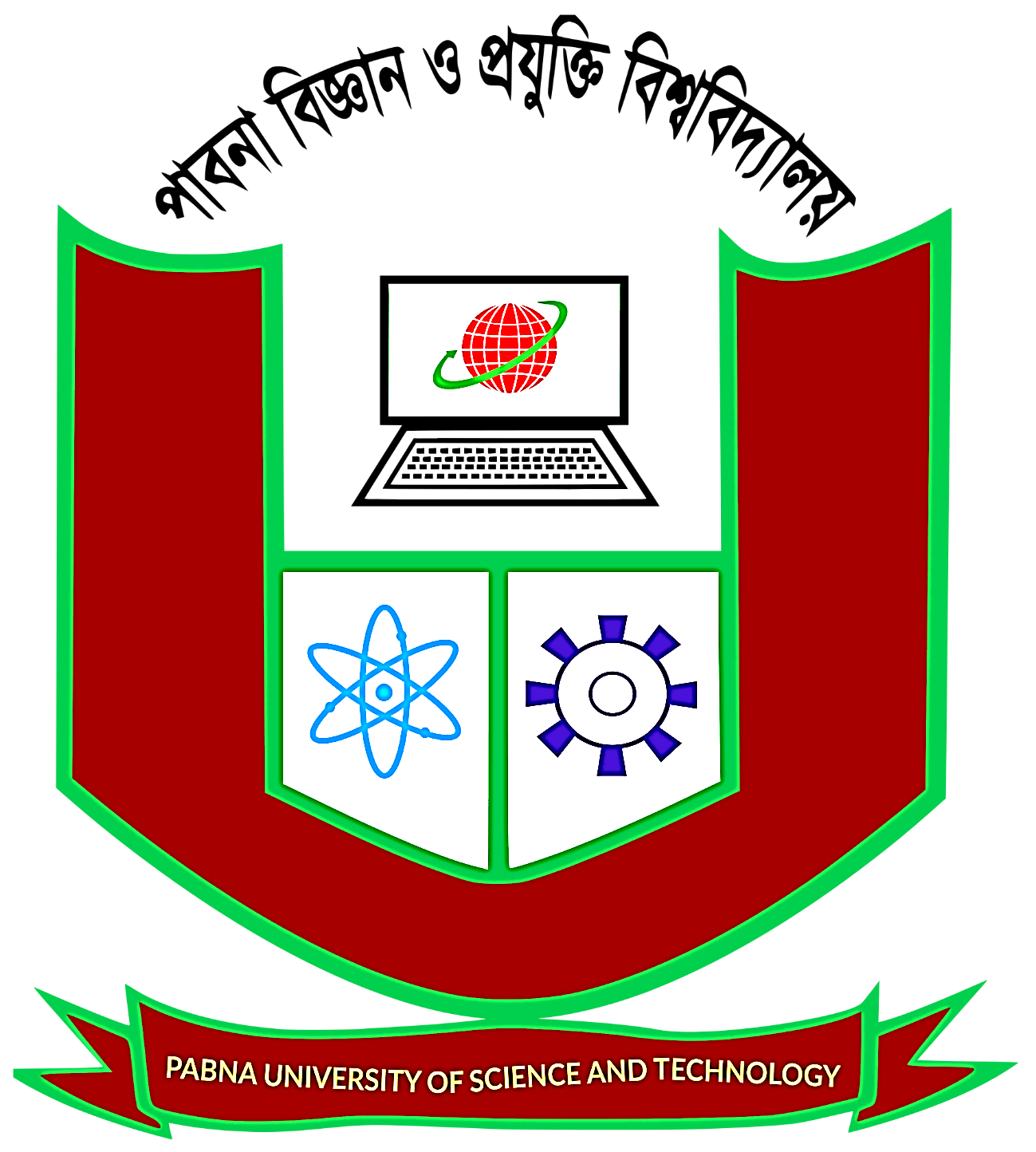
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**EXPERIMENT NO: 05**

**EXPERIMENT NAME: WRITE A PROGRAM TO INTERFACE LED WITH PUSH BUTTON USING PIC MICROCONTROLLER.**

**DATE OF SUBMISSION: 07/11/2023**

**SUBMITTED to**

**Tarun Debnath**

**Assistant Professor**

**Department of Information and Communication Engineering, Pabna University of Science and Technology.**

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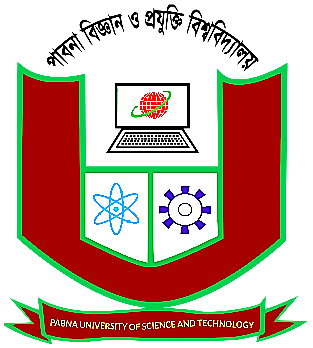
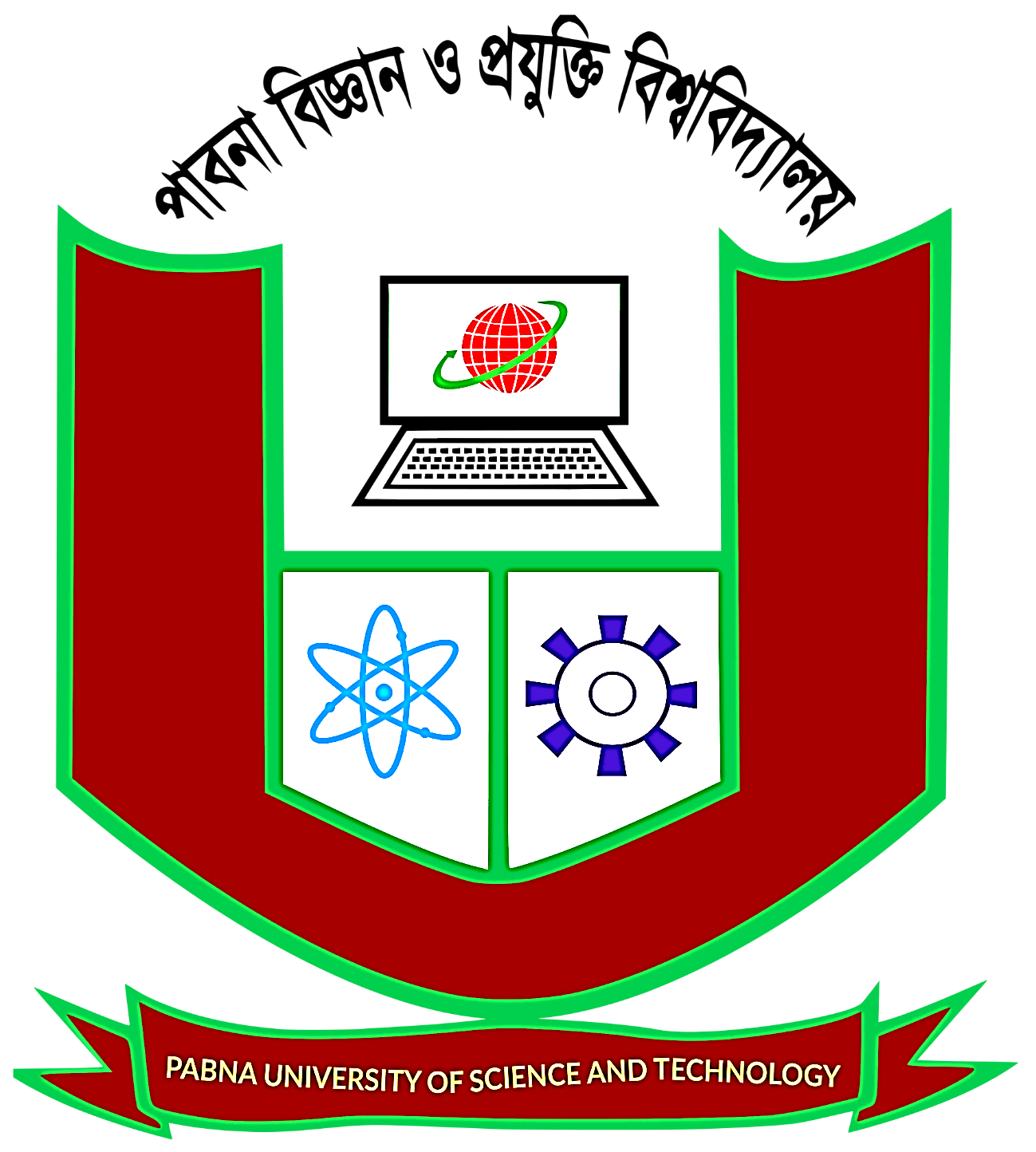
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**EXPERIMENT NO: 06**

**EXPERIMENT NAME: WRITE A PROGRAM FOR DOT MATRIX DISPLAY INTERFACING WITH PIC MICROCONTROLLER.**

**DATE OF SUBMISSION: 07/11/2023**

**SUBMITTED to**

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**Assistant Professor**

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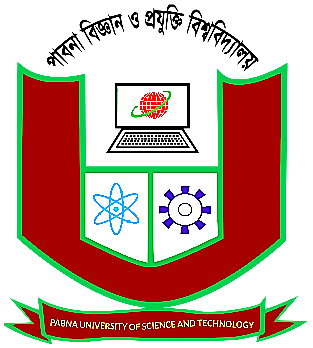
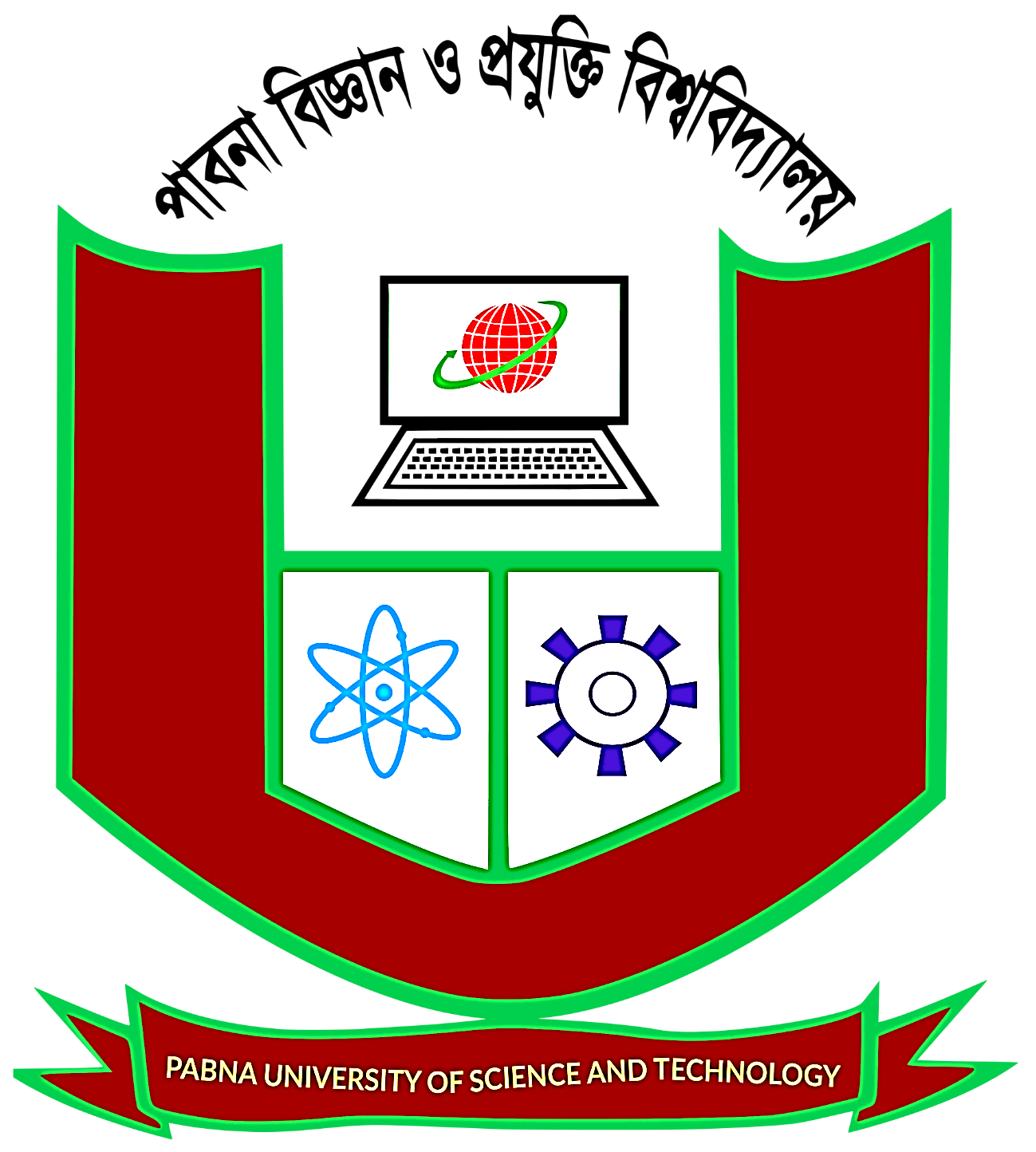
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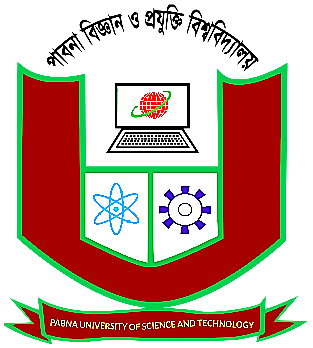
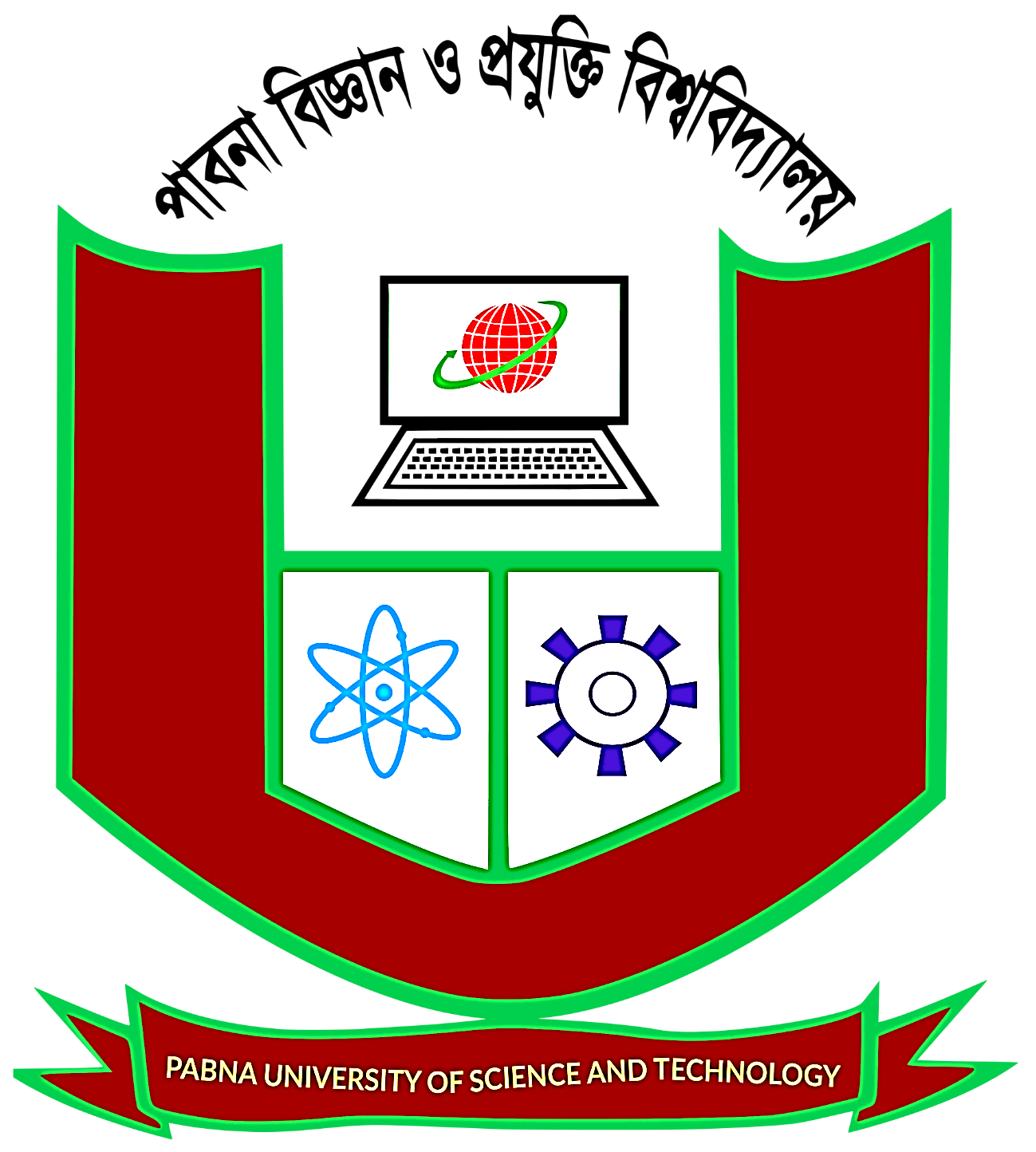
**3rd year and 1st Semester**

**Department of Information and Communication Engineering, Pabna University of Science and Technology.**

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**EXPERIMENT NO: 07**

**EXPERIMENT NAME: WRITE A PROGRAM FOR LM35 TEMPERATURE SENSOR DATA READ AND DISPLAY CORRESPONDING SENSOR VALUE THROUGH LCD DISPLAY.**



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**EXPERIMENT NO: 08**

**EXPERIMENT NAME: WRITE A PROGRAM TO CONTROL A HIGH VOLTAGE LOAD USING MECHANICAL RELAY.**

**DATE OF SUBMISSION: 07/11/2023**

**SUBMITTED to**

**Tarun Debnath**

**Assistant Professor**

**Department of Information and Communication Engineering, Pabna University of Science and Technology.**

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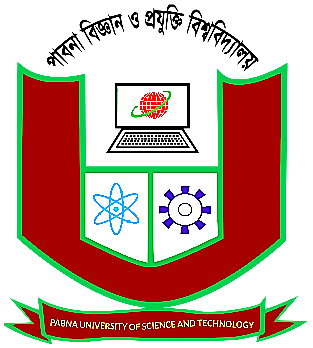
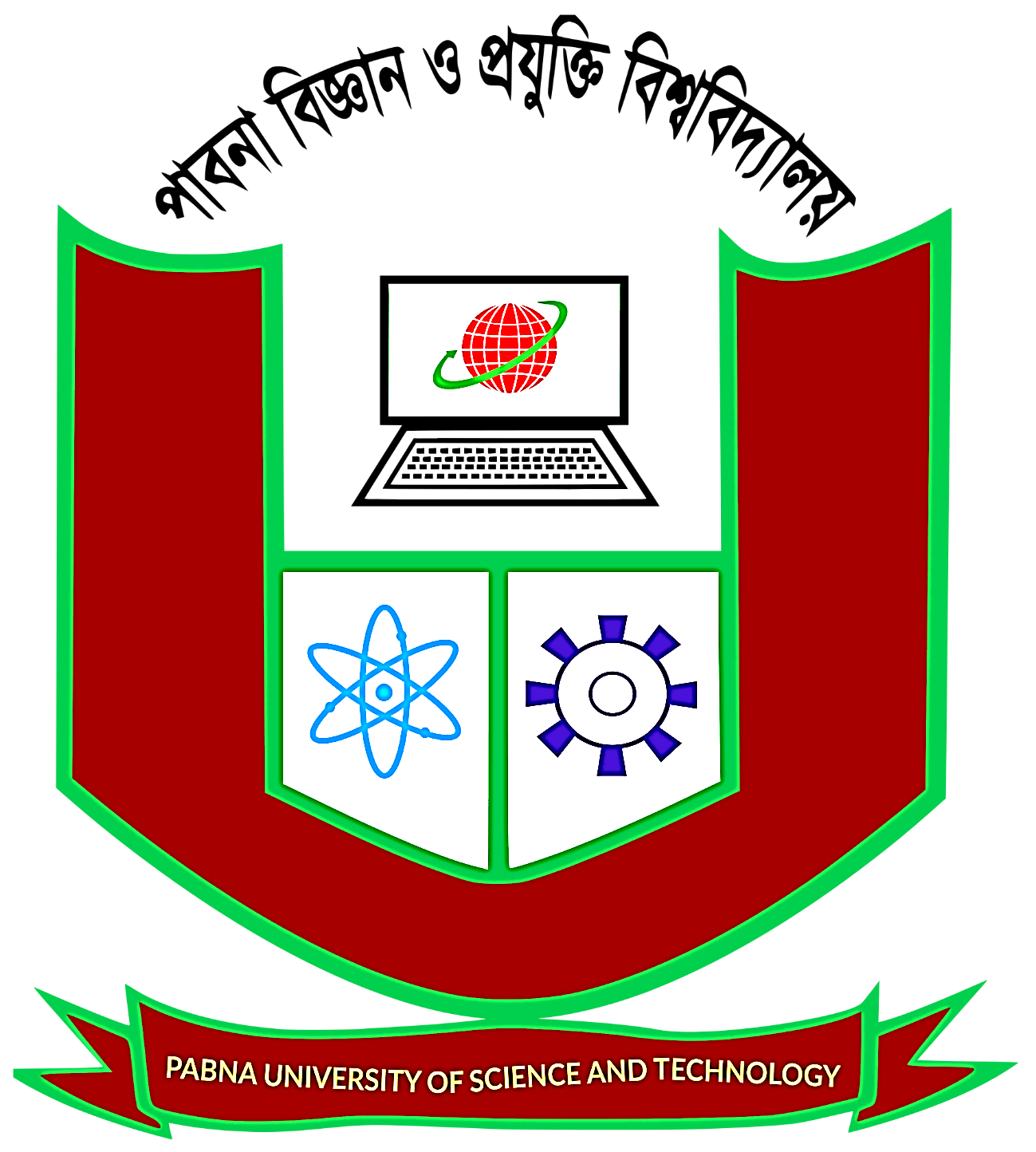
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**EXPERIMENT NO: 09**

**EXPERIMENT NAME: WRITE A PROGRAM FOR DC MOTOR SPEED CONTROL USING PWM AND PIC MICROCONTROLLER.**

**DATE OF SUBMISSION: 07/11/2023**

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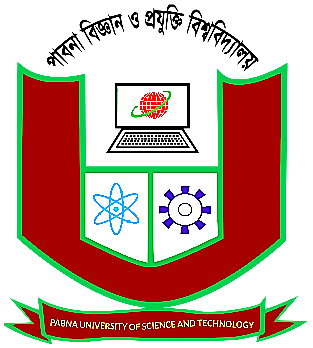
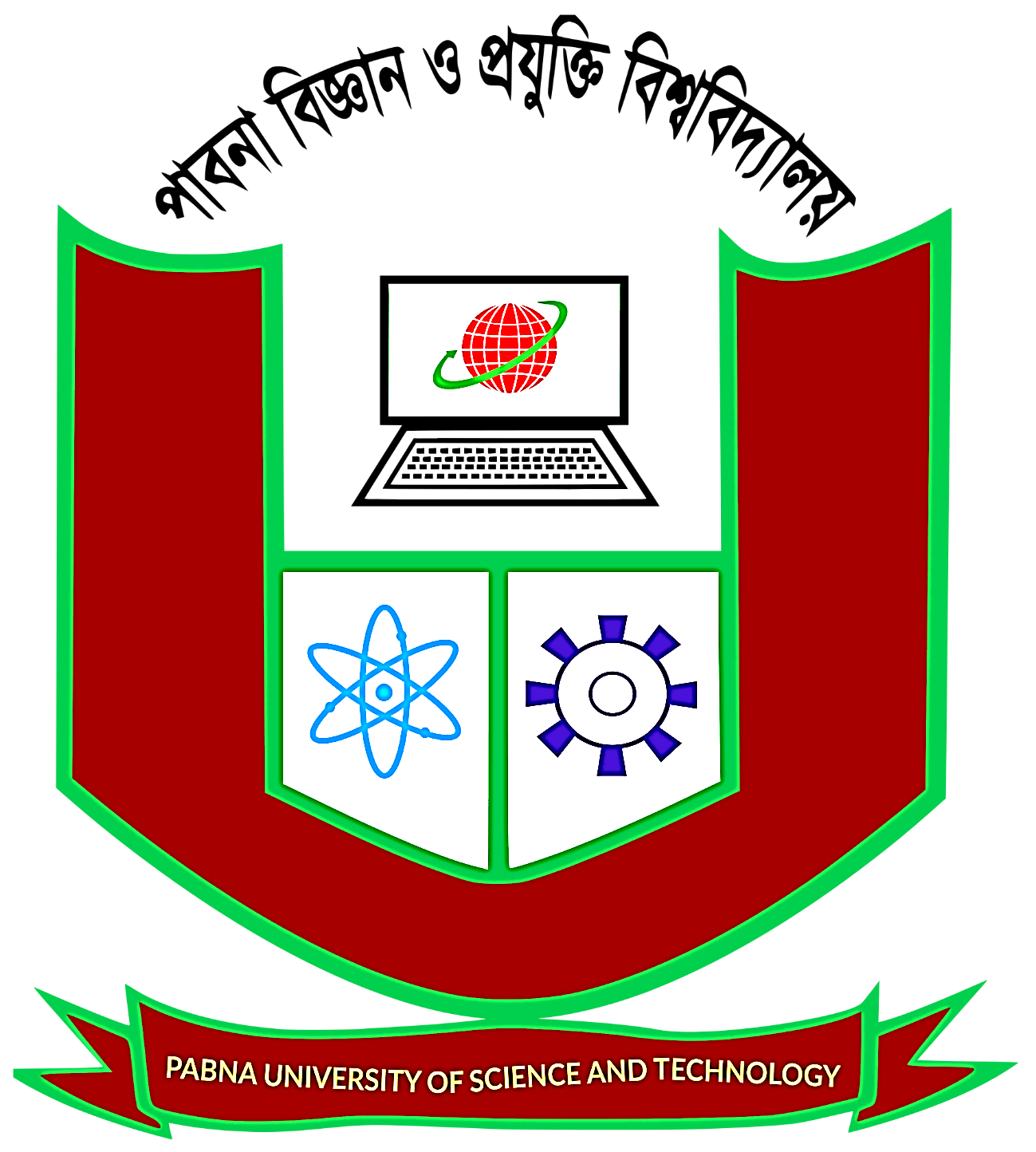
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**EXPERIMENT NO: 10**

**EXPERIMENT NAME: WRITE A PROGRAM TO CONTROL SERVO MOTOR USING PIC MICROCONTROLLER.**

**DATE OF SUBMISSION: 07/11/2023**

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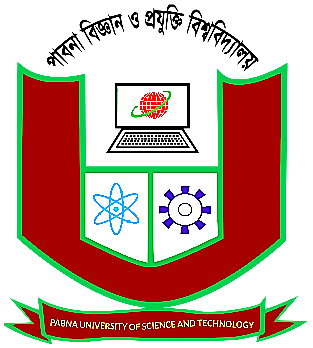
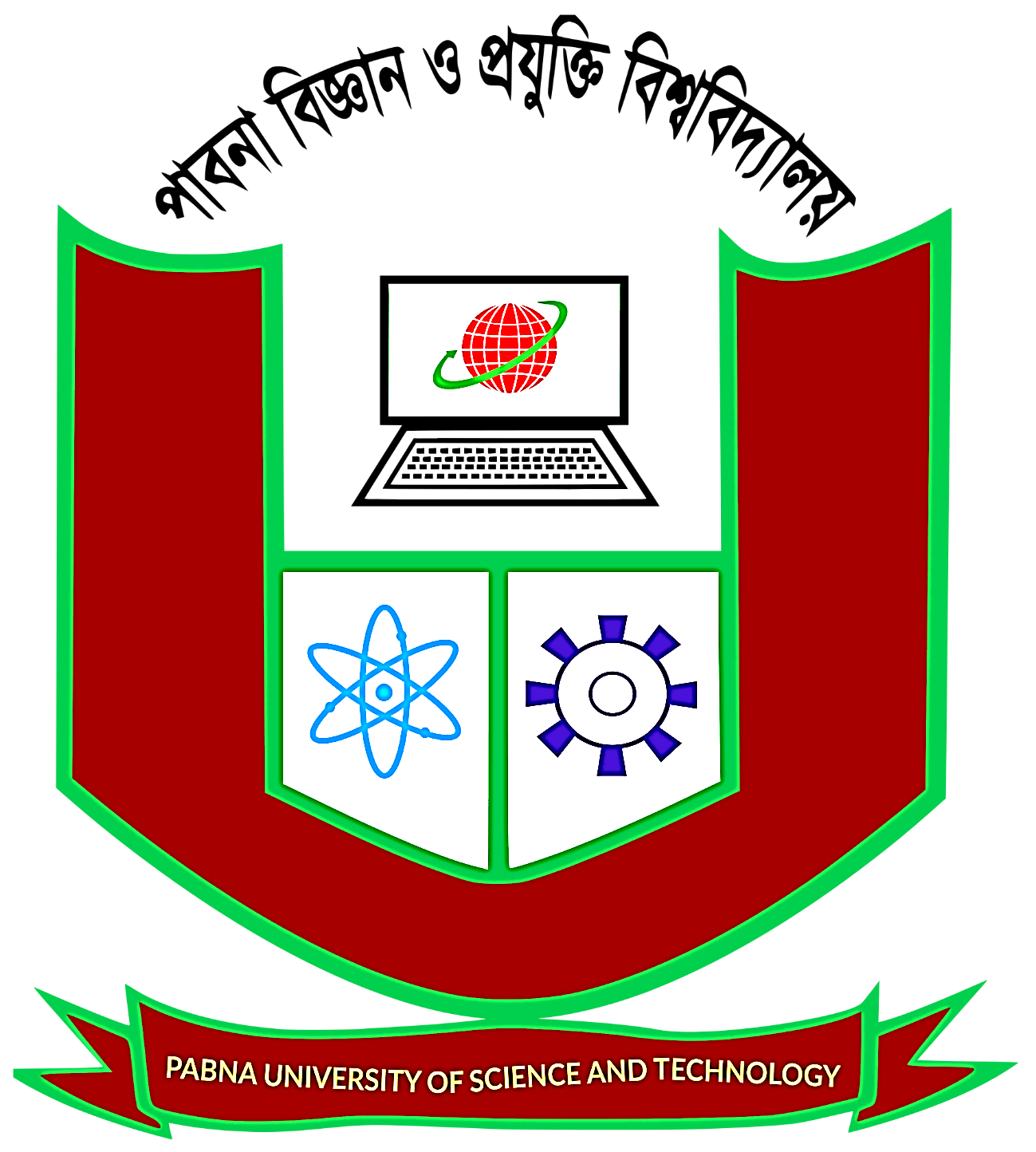
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**EXPERIMENT NO: 11**

**EXPERIMENT NAME: WRITE A PROGRAM FOR INTERFACING STEPPER MOTOR USING PIC MICROCONTROLLER.**

**DATE OF SUBMISSION: 07/11/2023**

**SUBMITTED to**

**Tarun Debnath**

**Assistant Professor**

**Department of Information and Communication Engineering, Pabna University of Science and Technology.**

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