



MARATHA VIDYA PRASARAK SAMAJ'S

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College of Engineering (An Autonomous Institute)

Permanently Affiliated to Savitribai Phule Pune University Vide Letter No. : CA/1542 & Approved by AICTE New Delhi - Vide Letter No. : 740-89-32 (E) ET/98 AISHE Code - C-41622



Department of Computer Engineering

HACKATHON 2025

Problem Statements for ROUND II

Category 2 (Second year Students)

Problem 1 : Random number Grid (keypad) generator

Your system must show different patterns of number at each refresh or after each 30 secs. It must be functional. Try to make it as best as you can.

Sample output

The image shows two side-by-side screenshots of a web application interface for password input. Both screens have a grey background and a white central panel. At the top of each panel, it says 'Please, insert password and press enter to finish!'. Below this, there is a 'Password' field with a blue border and a 'User input' field with a yellow border. The 'Password' field contains the numbers '4437' on the left and '8991' on the right. The 'User input' field is empty. Below the input fields is a keypad with a 3x3 grid of numbers. The numbers are randomly generated. On the left screen, the keypad shows 1, 2, 3 in the first row; 4, 5, 6 in the second row; 7, 8, 9 in the third row; and 'Clear', 0, 'Enter' in the bottom row. On the right screen, the keypad shows 3, 2, 5 in the first row; 8, 7, 9 in the second row; 1, 0, 4 in the third row; and 'Clear', 6, 'Enter' in the bottom row. The '7' key in the second row of the right keypad is highlighted with a yellow border.

Problem 2 : Resume Generator by taking input from user having College logo as watermark.

- Must take photo from user
- Educational details
- Technical Skills
- Achievements

Your system must generate one page resume in any format.