Problem Statement #2: Mr. Shishir Singh Chauhan

SPOC Name: Date:

N candidates (numbered from 11 to N) join MUJ (Manipal University Jaipur). The first 5 candidates join on the first day, and then, on every subsequent day, the next 5 candidates join in. For example, if there are 12 candidates, candidates numbered 1 to 5 will join on day 1, candidates numbered 6 to 10 on day 2 and the remaining 2 candidates will join on day 3.

Candidate numbered K decided to turn down his offer and thus, the University adjusts the position by shifting up all the higher numbered candidates. This leads to a change in the joining day of some of the candidates.

Help MUJ to determine the number of candidates who will join on a different day than expected. Generate the Report for the above as an output.

Name & Signature

SPOC

Member1

Member2

Member 3

Froblem Statement #4: Wir. Harish Sharma				
SPOC Name:	Date:			
Objective: Activity Report	ting and Document Storage			
where we submit this data to	us reports, like project or activity reports. We require a portal of a webpage and generate a .xls report with all the fields from the the report as a column. Fields are as follows:			
•	Name of activity Date of event Date of Entry Organizing person / Department Number of attendees Link of the report (hyper link) Entry done by (person's Email ID)			
Technology: HTML (Hype JavaScript, cloud storage, pr	rtext Markup Language), CSS (Cascading Style Sheets), ublic link availability.			
Name & Signature	•			

Member2

Member 3

SPOC

Member1

Problem Statement #5: Dr Ajay Kumar

SPOC Name:

Date:

Minor Specialization Recommendation system

Problem Statement:

- Interface / software, which links student's marks data and generates recommendations for selection of minor specialization. Assigning student to a group depending upon marks obtained in various preliminary subjects.
- Behavioural analysis where the behavioural pattern of student can be analysed and predicted. E.g.-marks obtained or performance of student in various subjects / projects/ viva.
- Categorizing various subjects into basic groups and then analysing the performance and then suggesting students with list of specialization.

Extra Details: Mapping of subject to category. Some of the categories for classification: Software Development: PSUC, OOPs using java, Data Structure.

- Data Analytics: OOPs using python, Data Structure, RDBMS
- DB Manager: PSUC, Data structure, RDBMS, SQL
- System Engineer: PSUC, Data Structure, OS, CoA
- Research: Python, Automata, AI.
- Network Administrator: PSUC, Computer Network, Data Communication

Expectation: Department to get a list of students depending upon their performance for the respective minor specialization.

Constraints:

Marks in examination for a subject: 0<=m<=100

Students in each category: minimum - 10% of total strength

Maximum - 60 students

Name & Signature

Team Name/Number:

Date:

SPOC Name:			Date:
Problem Statemer	it #3: Mr. Maya	nk Jain	
Problem Statement: At	tendance System us	sing mobile camera.	
Input: Hover the camer in that class.	a in front of faces o	of the students and list of stu	dents those are registere
Output: Generate the e otherwise mark absent.		faces covered through the ca	mera and make present
End product: Web appl	ication/ Mobile app	lication.	
Name & Signature			
SPOC	Member1	Member2	Member 3

Problem Statement #1: Dr S. Roy

SPOC Name:

Date:

Background: Passwords are ubiquitous today on any platform, on possibly any website. But to remember so difficult passwords and that too on numerous websites seems daunting and therefore you can devise a project illustrating graphical password strategy. This will allow the user to set passwords in the form of graphical presentation in a certain pattern and later use that pattern to login to the system.

Summary: Remembering numerous passwords from various sites can be difficult for a user. So to provide some flexibility we can provide users a graphical password authentication system where instead of creating a password a user has to select graphical objects in a particular order to keep it as their password.

Objective: In this method, the user is required to select some images (let's say different chocolates) in a specific pattern (for example dairy milk is followed by 5 stars which is in turn followed by KitKat and so on). Next time the user tries to log in, the images would have been shuffled, but the user will be required to follow the same pattern which was used initially. Every time the user will have to use the same sequence while the images are placed in different ways. This type of authentication is difficult to break since neither brute force nor dictionary attacks could breach it. We need techniques that can be easily implemented and provide better results to this process.

Name & Signature

SPOC

Member1

Member2

Member 3