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<p>Semester: IV</p>		<p>Academic Year: 2022-2023</p>
<p>Subject Name & Code: Software Engineering, ADUA22204</p>		
<p>Title of Assignment: Write down Customer Problem Statement (CPS).</p>		

Aim: Write down Customer Problem Statement (CPS).

Background Information:

PAGE NO.:
DATE: / /

Assignment no 1 (SE)

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* Title: Write down customer problem statement (CPS)

Q1. Importance of problem statement in software engineering.

- Ans i) Problem statement is an essential element in software engineering as it clearly defines the problem that software is intended to solve.
- ii) It sets objective of our project, and help our development team to build better software.
- iii) A good problem statement also help to identify limitation and success of our project. It helps us to evaluate process methodology for project.
- iv) A problem statement defines/help us to determine requirement or resources required to develop a software.

Q2. What is customer problem statement?

Ans i) CPS is nothing but a problem faced by customer in the real world.

- ii) It typically includes information about customer, the specific challenge they are facing.
- iii) CPS is an important aspect of any software project. It helps to ensure that software being developed is/will meet needs of the customer.
- iv) It help to define what customer want and need it's essential to understand problem deeply to generate best solution.

Q3 Why CPS formulation is important?

Ans i) To improve our customer satisfaction, CPS formulation is important.

- ii) It helps to define scope of our software, which help us and customer to meet their needs.
- iii) It also help to gain knowledge of communication between our development team. It helps us to build up our portfolio.
- iv) Lastly, validation of our software is done on the basis of Problem statement, as we match output of our software with customer satisfaction.

Q4 How to generate CPS using template in MIRO?

Ans(*) Step to be followed to generate CPS in MIRO

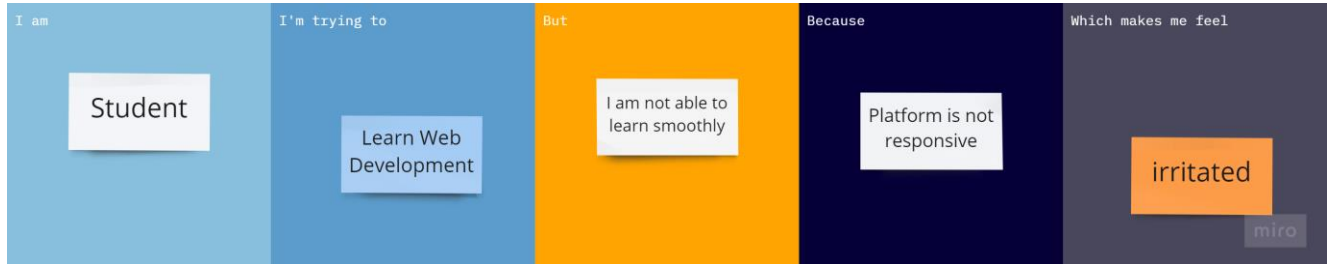
- 1) create a board
- 2) Now, in 1st column of board label it 'Problem Description'
- 3) In 2nd column label it 'customer information'.
- 4) In 3rd column label it 'Impact'.
- 5) In 4th column label it 'Proposed solution'
- 6) After creating creation of all this structure, fill the detail about the same on the board in particular space.
- 7) For example: 'Impact' section, it will contain the information about, how will be customer benefited from our software project.
- 8) Above mentioned are all the step needed to be followed before getting started with software development.

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Software Requirements: Miro

Formulation of Problem Statement:

CPS I: A student want to learn web development from a platform.



CPS II: A scientist wants to read research on article but unable to complete it due to some financial constraints.



CPS III: Entrepreneur want to invest in stock but unable to complete deal.



Conclusion: We have successfully generated CPS using templates in Miro.

