

Project Design Phase-I
Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID05821 |
| Project Name | Project - Cloud Application for Plasma Donation |
| Maximum Marks | 2 Marks |

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | <ul style="list-style-type: none">● Plasma is one of the most entity in human body● In recent times plasma is needed more than ever, as the demand increases there is not enough supply to meet the demand● To create an application to store the information and help the needy by informing the donor list. |
| 2. | Idea / Solution description | <ul style="list-style-type: none">● This is an application that provides real time notification to the donor for the need of plasma● This application also helps in updating and storing information about the donor list. |
| 3. | Novelty / Uniqueness | <ul style="list-style-type: none">● The scalability of this application is rudimentary hence cloud technology is used in making the application● This application caters to the requirement of zero down time functionality by adapting Kubernetes. |
| 4. | Social Impact / Customer Satisfaction | <ul style="list-style-type: none">● This helps the patients who need plasma for their ailment.● This application make the lives of donors and hospitals easy by streamlining the communication between them. |

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| 5. | Scalability of the Solution | <ul style="list-style-type: none">• This application is hosted in kubernetes, as a result this application has elasticity and zero down time.• The application database also scales up easily in accordance to the requirements of the user• As this application is hosted in cloud, This application has load balancers which regulates the customer requests by default |
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