

Project Design Phase-I
Proposed Solution

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| Team ID | PNT2022TMID34277 |
| Project Name | Real Time Communication System Powered by AI for Specially abled |
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Proposed Solution Template:

| S.No. | Parameter | Description |
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| 1. | Problem Statement (Problem to be solved) | To Develop a model which is very useful to communicate to normal people by using hand signal and gestures. |
| 2. | Idea / Solution description | <ul style="list-style-type: none"> • Using CNN model of image recognition to identify the accurate hand gestures • A quick result of voice and text after the gestures get identified |
| 3. | Novelty / Uniqueness | Image to sound detection is the uniqueness of this project. After analysing the hand signals the gesture get identified and provides a sound |
| 4. | Social Impact / Customer Satisfaction | <ul style="list-style-type: none"> • Disabled people experience a great deal of difficulty with day-to-day activities • Normal people who not able to communicate with disabled peoples can now easily get communicate with them. It will be the great impact and provide a satisfaction |
| 5. | Business Model (Revenue Model) | <ol style="list-style-type: none"> 1. A person who needs this model can afford at low price and this provide a income. 2. This advanced technology make life easier and will get great demand in market of technology. |
| 6. | Scalability of the Solution | <p>Depth, Width and Resolution were scaled in CNN.</p> <p>This model will be working under even low light conditions.</p> <p>Even a Child with basic knowledge can use this app.</p> |

