



B.TECH PROJECT PROPOSAL

| Sl No | Contents | Details |
|-------|---|---|
| 1 | Number of students in the group | 4 |
| 2 | Name of the students with registration number | DONA SIBY (SJC20CS053) |
| | | GAUTHAM BABU (SJC20CS057) |
| | | KARUN CHERY JAMES (SJC20CS076) |
| | | MELISSA MANOJ THONDOLI (SJC20CS089) |
| 3 | Area of project work | Assistive technology (IoT, Machine learning, Computer Vision, Audio Rendering, OCR) |
| 4 | Tentative title of project work | EnvisionAI |
| 5 | Abstract of project work | "EnvisionAI" revolutionizes the lives of the visually impaired, merging machine learning, computer vision, and IoT to bridge sensory gaps. It translates real-time visuals into auditory cues and haptic feedback, empowering navigation and awareness. This innovation offers safety by recognizing traffic signals and extends to literature through OCR-enabled audio books. IoT integration enhances spatial perception and interaction, making landmarks and objects accessible. "EnvisionAI" stands for inclusivity, symbolizing technology's potential to uplift communities, fostering independence and empowerment for the visually impaired. This project epitomizes innovation's ability to reshape lives, creating a more accessible world where everyone can thrive. |
| 6 | Name of Internal Guide (suggested) | PROF. ASHLY THOMAS |
| 7 | Guides Approval (Yes/No) | YES |

Date: 24-08-2023

Signature of Student Members