



Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: Government of Jharkhand

PS Code: SIH1500

Problem Statement Title: Education ecosystem for specially abled student need provision and improvement to take care of compliance, governance and conduct.

Team Name: MahaDevs

Team Leader Name: Taniska Jha

Institute Code (AISHE):U-0099

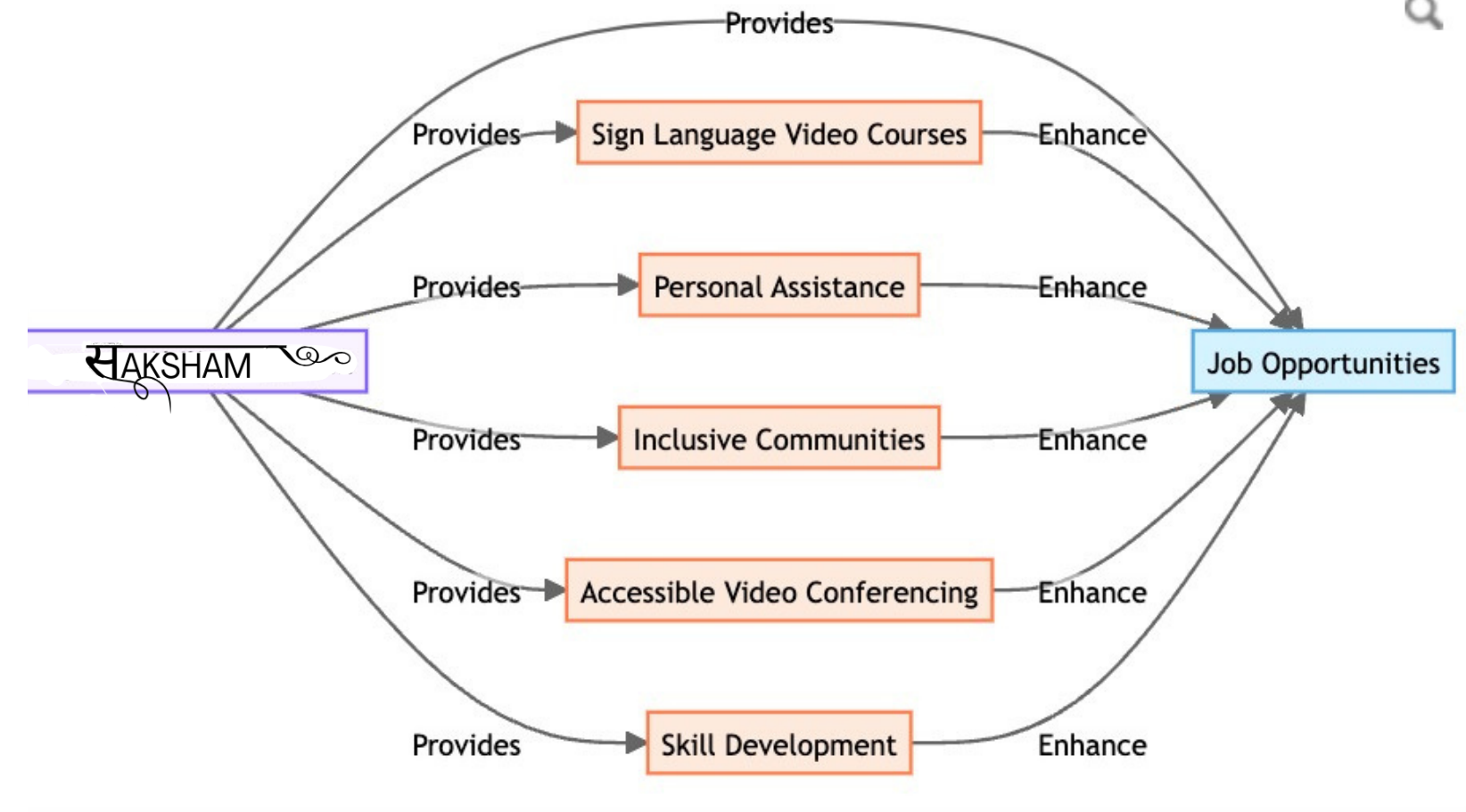
Institute Name: Guru Gobind Singh Indraprastha University

Theme Name: Smart Education

Idea/Approach Details:

Addressing the communication and educational needs of specially-abled individuals by creating an inclusive platform that bridges language barriers, fosters skill development, and promotes community engagement

- Sign Language Courses : We offer a **comprehensive library of sign language courses** designed to cater to various levels of proficiency, including advanced courses.
- Personal Assistance: **Specially-trained teachers** are available to provide home tuition services, specifically tailored to the needs of blind students
- Skill Development: We offer a range of courses including coding, designing, and other **practical skills to empower specially-abled individuals**
- Competitions and Job Opportunities: Regular hackathons and competitions provide a platform for skill showcase, with **top performers having the chance to secure teaching positions within our organization**
- Communication Platform: Our unique video conferencing platform enables deaf and dumb individuals to communicate effectively with the hearing population. An **AI model generates real-time subtitles, making communication swift and intuitive.**



TechnoLogies Used



Idea/Approach Details

Use Cases

- **Advanced Sign Language Learning:** A Specially Abled individual who already knows sign language can access advanced sign language courses
- **Teaching Sign Language to Beginners:** A parent with a young child who has basic language skills but doesn't know sign language can enroll in beginner sign language courses to facilitate communication and learning.
- **Inclusive Meetings Platform:** A Specially Abled Person can use our video conferencing platform for a job interview, with the AI model generating real-time subtitles to facilitate communication with the interviewer.
- **Inclusive Education for Children:** Use of animated videos to introduce inclusivity and diversity concepts in primary education.
- **Awareness:** Communities can use our Platform as a resource to raise awareness about the needs and challenges of specially-abled individuals, promoting inclusive policies and practices in society.

Dependencies

- **Services such as WebRTC** or custom video conferencing solutions for real-time communication.
- **Payment gateway** APIs like PayPal, Stripe, or custom payment solutions for handling financial transactions.
- **Frameworks such as TensorFlow**, PyTorch, or scikit-learn for building and training AI models.
- **Cloud platforms** like Amazon Web Services (AWS), Microsoft Azure, or Google Cloud for scalable and reliable hosting.
- **DBMS software** like PostgreSQL, or MySQL and AWS S3 buckets for storing user data and course content.
- **Domain registration and management services**, such as GoDaddy, Namecheap, or custom domain management tools, to ensure proper domain registration, DNS configuration, and domain security.

Team Member Details



Team Leader Name: Taniska Jha

Branch (B.Tech): Stream (IIOT): Year (III):

Team Member 1 Name: Chaitanya Rai

Branch (B.Tech): Stream (AI-DS): Year (III):

Team Member 2 Name: Ayush Gupta

Branch (B.Tech): Stream (AI-DS): Year (III):

Team Member 3 Name: Shubh Sardana

Branch (B.Tech): Stream (IIOT): Year (III):

Team Member 4 Name: Vansh Goel

Branch (B.Tech): Stream (IIOT): Year (II):

Team Member 5 Name: Aditya Singh

Branch (B.Tech): Stream (AI-DS): Year (III):

