

MAJOR / MINOR PROJECT ABSTRACT [Form - 1] (YEAR - 2025)

NAME OF LAB COORDINATOR: Ms. Richa Rana

TITLE OF PROJECT: Multilingual Virtual Assistant

PROJECT TRACK: (Tick the appropriate one / ones)

1. R&D (Innovation)	2. CONSULTANCY (Fetched from Industry)	3. STARTUP (Self-Business Initiative)	4. PROJECT POOL (From IBM / INFOSYS)	5. HARDWARE / EMBEDDED
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BRIEF INTRODUCTION OF PROJECT:

It's a multilingual chatbot for airport authority used to help the user with the boarding process like ticket detail and related queries

TOOLS / TECHNOLOGIES TO BE USED:

NAME OF TOOL / TECHNOLOGY	VERSION	SOFTWARE / HARDWARE	PURPOSE OF USE
.Net / Flash		Software	
Tensorflow Keras		Software	
Hugging Face		Software	

PROPOSED PROJECT MODULES:

NAME OF MODULE	PROPOSED FUNCTIONALITY IN PROJECT
Research	Basic NLP, find best architecture
Development	use of model, dataset, finding
Design UI	Frontend
Database / API	Login & Authentication

TEAM MEMBER DETAILS:

STUDENT NAME	CLASS & GROUP	MOBILE No.	EXPERTISE AREA	ROLE IN PROJECT
Varun Kataria	75T- B	9595 88857	ML	Model & API integration
Vishnuvardhan	75T- B	6367 219411	Backend	Backend of UI
Utkarsh Acharya	75T- B	8941077148	Frontend	Documentation

NOTE: 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator.
2. Students must keep a Xerox copy of this form as reference for project work and attach it to final report.

MAJOR / MINOR PROJECT ABSTRACT [Form - 1] (YEAR - 20__)

NAME OF LAB COORDINATOR: Ms. Richa Rawal

TITLE OF PROJECT: MultiLingual Virtual Assistants

PROJECT TRACK: (Tick the appropriate one / ones)

1. R&D (Innovation)	2. CONSULTANCY (Fetched from Industry)	3. STARTUP (Self-Business Initiative)	4. PROJECT POOL (From IBM / INFOSYS)	5. HARDWARE / EMBEDDED
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BRIEF INTRODUCTION OF PROJECT:

It's a multilingual chatbot for airport authority used to help the user with the boarding process like ticket detail and related queries.

TOOLS / TECHNOLOGIES TO BE USED:

NAME OF TOOL / TECHNOLOGY	VERSION	SOFTWARE / HARDWARE	PURPOSE OF USE
<u>Net / Flask</u>		<u>Software</u>	
<u>Tensorflow, Keras</u>		<u>Software</u>	
<u>Hugging face</u>		<u>Software</u>	

PROPOSED PROJECT MODULES:

NAME OF MODULE	PROPOSED FUNCTIONALITY IN PROJECT
<u>Research</u>	<u>Basic NLP, Find Best architecture</u>
<u>Development</u>	<u>Use 2 of model, Dataset, Finetuning</u>
<u>Design UI</u>	<u>Frontend</u>
<u>Database/Api</u>	<u>Login & Authentication</u>

TEAM MEMBER DETAILS:

STUDENT NAME	CLASS & GROUP	MOBILE No.	EXPERTISE AREA	ROLE IN PROJECT
<u>Vansh Rastogi</u>	<u>7 IT-B</u>	<u>737589885</u>	<u>ML</u>	<u>Model & Api integration</u>
<u>Virender Yadav</u>	<u>7 IT-B</u>	<u>6367719411</u>	<u>Backend</u>	<u>Backend & UI</u>
<u>Mukul Acharya</u>	<u>7 IT-B</u>	<u>8741077148</u>	<u>Frontend & Doc.</u>	<u>Documentation</u>

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