



Sharda School of Computing Science & Engineering  
Department of Computer Science & Application  
Research-Based Learning-RBL003\_Request-Approval form  
(Session: 2025-2026)

SHARDA UNIVERSITY, GREATER NOIDA, UTTAR PRADESH

Details of Students (IN BLOCK LETTERS):

Sr. No.	Name	Roll no	System ID	Email-id	Phone no
1	Karma Wangmo	2301110033	2023827479	wangmdcarma24@gmail.com	8595411863
2	Shristi Tamang	2301110056	2023822881	shrista62@gmail.com	7319272934

Title of the RBL Research Project: A TRANSFORMER BASED APPROACH TO BIDIRECTIONAL DZONGKHA-ENGLISH NEURAL MACHINE TRANSLATION WITH LINGUISTIC ADAPTATION.

- i. Area/Concept involved: NMT, Natural language processing (NLP), Transformer
- ii. Language/Tool/Technology that may be used: Python, noogle colab, PyTorch, Dzongkha-english corpus.
- iii. Category of the Research(Comparative Analysis/Simulation/Hardware/Software Development/Experimental Research, Automation/other (SPECIFY)): Linguistic MODELING
- iv. Prerequisite Knowledge Required: PYTHON, DEEP LEARNING, NLP

Concept/Subject	Software/Tools
NMT	GOOGLE COLAB
NLP	PYTORCH
LINGUISTICS	TRANSFORMERS

Sign. of Student

Sign of Student2

Consent of Project Guide (Yes/No): YES

Guide Name: Dr. Shiv Kumar

Ms. Shalaka Tyagi

Approved/ Approved with changes/ Not approved

Co-coordinator

Signature of the Guide: Dr. Shiv Kumar  
Date: 31/07/25

31/07/2025