



SWAMI VIVEKANANDA UNIVERSITY

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Faculty Development Workshop on

“Multilingual Natural Language Processing for Text Analysis”

Date: 30-06-2025

Time: 12:00 PM onwards

Venue: BNB 110

Organized by: IIC of Swami Vivekananda University

In Association with: Tata Consultancy Services Ltd.

Introduction

The Institution's Innovation Council (IIC) of Swami Vivekananda University successfully organized a One-Day Faculty Development Workshop on the topic “**Multilingual Natural Language Processing for Text Analysis**” on **Monday, 30th June 2025**, from **12:00 PM onwards** at the University Campus. This initiative was organized in collaboration with **Tata Consultancy Services Ltd. (TCS)**, aiming to enhance the technical competencies of faculty members in the field of Natural Language Processing (NLP), with a focus on multilingual frameworks and applications.

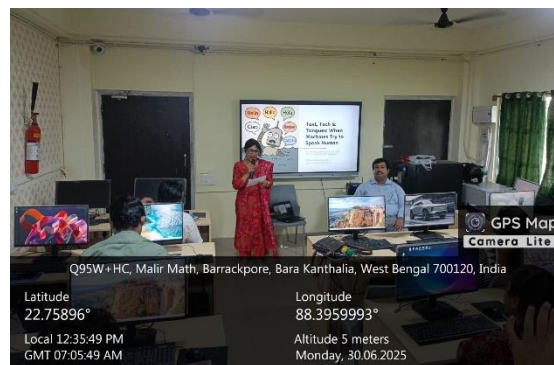


Objective of the Workshop

The core objective of the workshop was to equip the faculty members with current trends, tools, and techniques in **Multilingual Natural Language Processing**, and to inspire research interest in computational linguistics and AI-driven text analysis. The session was tailored to bridge the gap between theoretical understanding and practical implementation of NLP technologies across languages.

Resource Person

We were honored to host **Dr. Tirthankar Dasgupta, Senior Scientist at TCS Research, Kolkata**, as the keynote speaker and expert trainer for the session. Dr. Dasgupta is a distinguished researcher in the domain of Artificial Intelligence and NLP, with several years of impactful work at the intersection of language technologies and real-world applications.



Workshop Highlights

- **Opening Address:** The session began with a welcome address by the Director of IIC, who highlighted the importance of interdisciplinary learning and industry-academia collaborations in today's educational ecosystem.
- **Technical Session by Dr. Dasgupta:**
 - Introduction to **Natural Language Processing** and its evolution.
 - Exploration of **multilingual challenges** in NLP, particularly within the Indian context.
 - Demonstration of real-world **text analysis tools and models** used at TCS Research.
 - Discussion on **machine translation, sentiment analysis, and language resource development**.
 - Insights into current research trends, datasets, and innovations driving the multilingual NLP domain.
- **Interactive Q&A Session:** Faculty members engaged in dynamic discussions, posing insightful questions which were thoroughly addressed by Dr. Dasgupta.
- **Hands-on Exposure:** Participants were introduced to selected open-source platforms and were guided through practical demonstrations, allowing them to visualize NLP models in action.



Participant Response

The workshop witnessed enthusiastic participation from faculty members across multiple disciplines including Computer Science, Management, and Linguistics. The session was appreciated for its clarity, relevance, and engagement. The interactive format and practical insights significantly enriched the learning experience of all attendees.

Outcome of the Workshop

- Enhanced awareness and knowledge of **Multilingual NLP tools and techniques** among faculty.
- Sparked **interdisciplinary research interest** in computational linguistics and AI.
- Strengthened ties between academia and industry through the support of **TCS Research**.
- Encouraged faculty to integrate NLP applications into their teaching and research methodologies.

Certificate Distribution

All participating faculty members were awarded **Certificates of Participation**, acknowledging their commitment to professional growth and continuous learning.

Conclusion

The workshop was a resounding success, fulfilling its aim of academic enrichment and collaborative knowledge-sharing. The University extends its sincere gratitude to **Dr. Tirthankar Dasgupta** for his time, effort, and invaluable contributions, and to **Tata Consultancy Services Ltd.** for partnering in this academic initiative.

We look forward to organizing more such intellectually stimulating sessions in the future, fostering a culture of innovation and excellence in teaching and research.