

Workshop - Bengali Workshop School of Languages and Linguistics, Jadavpur University, Kolkata 15th-25th February, 2012

Linguistic Data Consortium For Indian Languages (LDC-IL), Central Institute of Indian Languages (CIIL), Mysore in collaboration with Department of Language and Linguistics, Jadavpur University organized a ten days '**Orientation cum Training Program on Natural Language Processing**' from **15th February-25th February, 2012**. The Inaugural function was held at Vivekananda Hall, Jadavpur University on **15th February 2011**. Prof. Supriya Chaudhuri, Jadavpur University presided over the function and delivered the inaugural address. She has centered her speech on the importance of the usage of computers in this modern world.

Dr. L. Ramamoorthy, Head, LDC-IL gave a brief sketch on the activities of the LDC-IL, CIIL, Ministry of HRD, Mysore. He pointed out the critical situation of the languages of India which are yet to be brought to the next level. He insisted the importance of Machine Translation and the use of language Technology to preserve the endangered languages. He further stressed on the role of linguistics in the development of language technology.

Nearly 60 participants hailing from different universities like Jawaharlal Nehru University, Calcutta University, Jadavpur University, Kalinga Institute of Information and Technology, Bhubaneswar, Vidyasagar University and Guahati University are attending the orientation cum training program. And the experts from different institution like IIT, Kharagpur, IIIT, Hyderabad, Calcutta University, Jadavpur University, KIIT, Bhubaneswar, SNLTR, Kolkata, Asiatic Society, Kolkata and LDCIL delivered lectures and trained the aspirant. The workshop goal was to disseminate the knowledge of NLP among student community and equip students to work or pursue research in language technology. The main goal of this Orientation cum Training Program on NLP was to promote technology development in Indian Languages.

The Program covered the areas of core Linguistics, AI and NLP, Corpus Linguistics, Linguistic Analysis and NLP Modules and System Development and Challenges. The schedule of the program is as follows-

S. No	Topic	Name	Date	Time	Day
	Inaugural Session (Talk)		15th	10:15-11:30	Wednesday
1	Morphology (Basics)	Abhijit Majumdar	15th	11:45-1:00	Wednesday
2	Bengali Morphology	Abhijit Majumdar	15th	2:00-3:15	Wednesday
3	Semantics (Theories of Meaning & Componential Analysis (ontology))	Baidehi Sengupta	15th	3:30-4:30	Wednesday
4	Syntax (Basics)	Uday Chakravorty	16th	10:15-11:30	Wednesday
5	Bengali Syntax	Uday Chakravorty	16th	11:45-1:00	Thursday
6	Phonetics (Acoustic: Physical Properties of Speech Signal and Articulatory Phonetics)	Krisna Bhattacharya	16th	2:00-3:15	Thursday
7	Phonology	Mina Dan	16th	3:30-4:30	Thursday
8	Special Lecture	Anupam Basu	17th	10:15-11:30	Friday
9	Artificial Intelligence (AI) & NLP	Anil Kr Singh	17th	11:45-1:00	Friday
10	Special Lecture	Dipankar Das	17th	2:00-3:15	Friday
11	Machine Learning : Statistical Approaches	Anil Kr. Singh	17th	3:30-4:30	Friday
12	Machine Learning : Rule Based Approaches	Anil Kr. Singh	18th	10:15-11:30	Saturday
13	Machine Translation (MT)	Anil Kr. Singh	18th	11:45-1:00	Saturday
14	Morphological analysis (Manual to Automatic)	Soma Paul	18th	2:00-3:15	Saturday
15	Practice Session		18th	3:30-4:30	Saturday
16	POS annotation/tagging (Manual to Automatic)	Soma Paul	20th	10:15-11:30	Monday
17	LDC-IL-BIS Tagset Comparison	Sonali Sutradhar	20th	11:45-1:00	Monday
18	Lecture and Practice session	Soma Paul	20th	2:00-3:15	Monday
19	Shallow Parsing: Local Word Grouping & Chunking	Soma Paul	20th	3:30-4:30	Monday
20	Tree Banking (Issues in Design & Development)	Soma Paul	21st	10:15-11:30	Tuesday
21	Speech Data Collection	Arundhati Sengupta	21nd	11:45-1:00	Tuesday
22	Segmentation and Annotation	Aditi Debsharma	21nd	2:00-3:15	Tuesday

23	Practice session			3:30-4:30	Tuesday
24	Corpus Linguistics:	Niladri Sekhar Dash	22nd	10:15-11:30	Wednesday
25	Concept of Font & Encoding: ASCII, ISCII, Unicode	Vadivel	22nd	11:45-1:00	Wednesday
26	Corpus: Concept & Classification	Niladri Sekhar Dash	22nd	2:00-3:30	Wednesday
27	Balanced Corpus: Concept, Development & Challenges	Niladri Sekhar Dash	23rd	10:15-11:30	Thursday
28	Linguistic knowledge & Corpus: Annotation & Extraction	Niladri Sekhar Dash	23rd	11:45-1:00	Thursday
29	Corpus Utilities & Corpus analysis tools (N-gram, KWIC-KWOC, etc)	Vadivel	23rd	2:00-3:30	Thursday
30	Special lecture	Ashok Dutta	24th	10:15-11:30	Friday
31	ASR: Concept, Applications, & Challenges	Arup Saha	24th	11:45-1:00	Friday
32	TTS: Concept, Application and Challenges	Arup Saha	24th	2:00-3:15	Friday
33	Special	Sibansu Mukhopadhyay	24th	3:30-4:30	Friday
34	OCR: Concept & Applications, Development & Challenges	BB Choudhury	25th	10:15-11:30	Saturday
35	Conclusion (Talk)	Mahidas Bhattacharya	25th	11:45-01:00	Saturday