

Report of National Seminar on Lexical Resources and Applied Computational Techniques on Indian Languages

The National Seminar on “**Lexical Resources and Applied Computational Techniques on Indian Languages**” was organized by **Department of Computer Science, Pondicherry University, Pondicherry** Collaborate with **Linguistic Data Consortium for Indian Languages, Central Institute of Indian Languages, Mysore** on **4th and 5th October 2010** the same was communicated to all the Universities in India. There was a tremendous response from the researchers working in the field of Natural Language Processing (NLP). 18 papers were received for consideration. All the papers received were sent to the experts for review. Out of 18 papers 17 papers were accepted and one paper was rejected on the ground of its irrelevance to the scope of the Seminar. The total number of authors drawn from 16 papers were 30, affiliated to 12 premier Universities/Institutes in India and abroad. The Seminar was hosted in the Convention cum Cultural Hall of Pondicherry University. The inaugural session of the Seminar was graced by Prof. Rajesh Sachdeva, Director, Central Institute of Indian Languages, Mysore as a Chief Guest, and Prof. J. A. K. Tareen, Vice Chancellor, Pondicherry University had presided over the session and delivered Presidential address. Prof. V. Prithiviraj, Dean (i/c), School of Engineering and Technology had delivered the felicitation address. Before that Prof. R. Subramanian, Head, Department of Computer Science had welcomed the dignitaries and the participants to the Seminar and Mr. K. Vijayanand, Organizing Secretary of the Seminar had proposed the vote of thanks.

The Seminar attracted 65 registered participants, out of which 2 were working professionals from the industry, 3 were faculty members and the rest were students/research scholars. 15 participants were present as sponsored participants from the sponsoring agencies. A total of 400 participants had participated including the students of Department of Computer Science, and delegates drawn from the following Universities/Institutes.

1. Central Institute of Indian Languages, Mysore.
2. Tezpur University, Tezpur.
3. Anna University, Chennai.
4. IBM, Bangalore.
5. IFET College of Engineering, Villupuram.
6. Babasaheb Bhimrao Ambedkar University, Lucknow.
7. International Institute of Information Technology, Hyderabad.
8. C-DAC, Pune.
9. Rabindra Bharati University, Kolkata.
10. Utkal University, Bhubaneswar.
11. University of Hyderabad, Hyderabad.
12. Banasthali University, Rajasthan.
13. University of Kerala, Tiruvananthapuram.
14. M. E. S. College, Marampally, Kerala.
15. Pondicherry University, Puducherry.

The programme of the Seminar was organized in 6 technical sessions apart from the Inaugural and Valedictory sessions namely:

1. Lexical Resources and Applied Tools
2. Morphological Analysis and Applied Techniques
3. Parsing and Text Attraction Techniques
4. Named Entity Recognition Techniques and Implementation
5. Critical Discourse Analysis and Machine Translation
6. Panel Discussion

Out of 17 papers accepted for presentation, 15 papers were presented by its authors in various sessions of the Seminar. Authors concentrated much on explaining their ongoing work at their laboratories and shared their expertise with the participants. All sessions were interactive in nature and fruitful discussion took place after presentation of each paper. A new technique entitled Joshua was introduced into the Indian NLP literature by Nalluri Anitha in her presentation. Similarly Parameswari K. presented a tool named Apertium in the house. Techniques pertaining to PoS Taggers and Morphological Analyzers were elaborated on by the delegates from CIIL, Mysore and IIIT, Hyderabad. Techniques regarding Named Entity Recognition and Transliteration were unfolded by the delegates from Tezpur University and Pondicherry University.

A brain storming panel discussion with an agenda “The Current Scenario of the Research in NLP and Future Course of Action” was organized as on the Sessions in the Seminar.