## ADVISORY COMMITTEE

Dr. C. Rangarajan, President, CR Rao AIMSCS

Dr. V. K. Saraswat, Member, NITI Aayog

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Cmde. A. Anand, Project Director, ARCC

Dr. U. Yugandhar , DMS, CR Rao AIMSCS

## ABOUT AIMSCS

The CR Rao AIMSCS is engaged in cutting-edge research in areas of Mathematics, Statistics, Wireless Communication, Computer Science and interdisciplinary fields. The mission of the Institute includes dissemination of advances made in these fields to the society through workshops and conferences, short courses, guiding doctoral students and providing consultancy services to researchers in government and industrial organizations. For more details visit www.crraoaimscs.org.
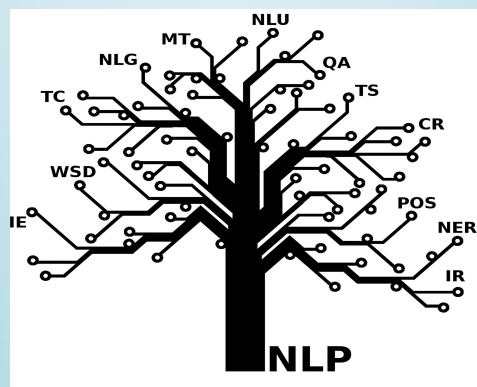
## ABOUT UNIVERSITY OF HYDERABAD

University of Hyderabad, a premier institution in the country, was established by an act of Parliament in 1974 as a Central University. It is ranked 591-600 in the World, 106 in Asia, 36 among BRICS Nations and among top 100 under the age of 50. It is also ranked 7 overall and First among Multi-disciplinary Universities in India.

### SCHOOL OF COMPUTER AND INFORMATION SCIENCES

The School of Computer and Information Sciences offers high-quality post-graduate teaching and research programmes in all major areas of Computing, Information Science and Artificial Intelligence.

## WORKSHOP OVERVIEW

Natural language processing (NLP) is a subfield of computer science, information engineering, and artificial intelligence concerned with the interactions between computers and human (natural) languages, in particular how to program computers to process and analyze large amounts of natural language data. Challenges in natural language processing frequently involve speech recognition, natural language understanding, and natural language generation. This workshop focuses on techniques ranging from Foundations of NLP to the use of new age AI techniques which are used to solve various NLP tasks. The topics range from Encoding of Text to Language Modelling Techniques which equip the participants with necessary tools and techniques for effective problem solving and engineering in NLP.



## RESOURCE PERSONS

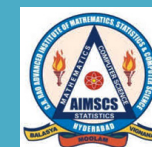Speakers are eminent Academicians and Researchers from UoH, IIIT-H, IIT-H, IISc Bangalore & Industry experts.

## National Workshop

## On

## NLP: From Foundations to Emerging AI Techniques

## (30th - 31st July 2019)

### Jointly organized by

**C R Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS)**

&

**School of CIS, University of Hyderabad**

**Dr. K. Narayana Murthy**
**(Dean SCIS, UoH)**
**Chairman**

| Dr. SIRISHA VELAMPALLI | Mr. P. SANDEEP |
|---|---|
| CR RAO AIMSCS | CR RAO AIMSCS |
| CONVENER | CO-CONVENER |

## ORGANIZING COMMITTEE

Prof. Ashutosh Saxena, AIMSCS
Dr. Appala Naidu Tentu, AIMSCS
Dr. Arpita Maitra, AIMSCS
Dr. K. V. Pradeepthi, AIMSCS
Dr. G. Padmavathi, AIMSCS
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Mr. K. V. Blessymon, ARCC
Mrs. S. Kamala, ARCC
Mr. Renjith P Ravindran, UoH
Mr. Ch. Ram Anirudh, UoH

**Registrations are open**

- This workshop is intended for Researchers, faculty, Students and Industry Professionals who work in NLP or related areas.

- There is no registration fee, however registration is mandatory to attend workshop.

- Selected participants will be intimated by eMail.

- Registration can be done at
  https://tinyurl.com/NLP-CRRao-2019

  OR

- Fill the softcopy of registration form and send to

  convenernlp2019@crraoaimscs.res.in

## IMPORTANT DATES

| Last Date for Registration | **27th July 2019** |
|---|---|
| Workshop | **30th - 31st July 2019** |

## TOPICS OF INTEREST

- Encodings and Transliteration
- Corpus Analysis
- Text Classification
- Language Modeling Techniques
- Topic Modeling
- Use cases of NLP for Cryptology

**Participation Certificates will be given to all attendees**

## VENUE

*Ramanujan Auditorium,*
**C. R. Rao AIMSCS (Advanced Institute of Mathematics Statistics & Computer Science),**
**University of Hyderabad Campus,**
**Prof. C.R. Rao Road, Gachibowli**
**Hyderabad, Telangana-500046**
**http://www.crraoaimscs.org/**