"सूचना प्रौद्योगिकी : संस्कृत और अन्य भारतीय भाषाएं – डिजिटल भारत की ओर"

SOIL-Tech (Towards Digital India)

15th (Friday) – 17th (Sunday), February, 2019

At
School of Sanskrit & Indic Studies (SSIS), Jawaharlal Nehru University (JNU), New Delhi-110067

TENTATIVE SCHEDULE

DAY ONE
15 February 2019
VENUE: CONVENTION CENTER, JNU

0930-1000: Registration

1000-1100: Session 1: Inaugural Session

- 1000-1010: Mangalacarana & lighting of lamp
- 1010-1015: Welcome address and theme:
  Prof. Girish Nath Jha, Dean, School of Sanskrit & Indic Studies, Jawaharlal Nehru University
- 1015-1050: Keynote Address
  Prof Anupam Basu, IIT Kharagpur (Director, NIT Durgapur)
- 1050-1105: Presidential address
  Prof Bal Ram Singh, Institute of Advanced Sciences, Dartmouth, MA, USA
- 1105-1110: Vote of Thanks:
  Dr. Brajesh Kumar Pandey, School of Sanskrit & Indic Studies, Jawaharlal Nehru University

Coordinator: Dr. Brajesh Kumar Pandey, School of Sanskrit & Indic Studies, Jawaharlal Nehru University

Rapporteur: Shivpal, School of Sanskrit and Indic Studies, JNU

1100-1130: HIGH TEA
1130-1200: Session 2: Keynote on European languages white papers (Committee Hall)

Chair: Prof. Girish Nath Jha, School of Sanskrit and Indic Studies, JNU

Speaker: Prof. Georg Rehm, DFKI (German Center for Artificial Intelligence, Berlin) on Skype

The Preparation, Impact and Future of the META-NET White Paper Series “Europe’s Languages in the Digital Age”

1200-1300: Session 3: Plenary Talk (Committee Hall)

Session Chair: Dr. Neeraj Sharma, Kanya Maha Vidyalaya, Jalandhar

- Narayan Chaudhary, Asst. Director, CIIL Mysore
- Rahul Dev (Eminent Journalist)

Coordinator: Dr Subhash Chandra, Dept of Sanskrit, Delhi University

Rapporteur: Ravikant, School of Sanskrit and Indic Studies, JNU

1300-1400: Lunch Break

1400- 1630: Session 4: White Paper Presentations

1400-1630: Session 4: Committee Hall

Theme: SOIL-Tech white papers

Session Chair: Prof. D P Vidyarthi, School of Computer & Systems Sciences, JNU

White paper:
- Sanskrit: Girish Nath Jha, Shrinivas Varakhedi & Malhar Kulkarni
- Tamil: S. Rajendran, Ramamoorthy L. & Sobha L.

Plenary Talk: Neural Machine Translation: what’s linguistics got to do with it?, Rico Sennrich, University of Edinburgh (via Skype)

White paper
- Hindi : S.S. Aggrawal, Dipti Mishra Sharma & Girish Nath Jha
- Punjabi: Vishal Goyal & Karunesh Arora

Coordinator: Prof Sushant Mishra, Center for French Studies, JNU

Rapporteur: Akhilesh Kumar Yadav, School of Sanskrit and Indie Studies, JNU
1630-1750: Session-5: Plenary Talk (Committee Hall)

Chair: Prof T. V. Vijay Kumar, School of Computers & Systems Sciences, JNU
- Uday Narayan Singh, Amity University (Former Director, CIIL Mysore)
- Niladri Chatterjee (IIT Delhi)
- Daan van Esch, Google USA (via Skype)

Coordinator: Prof Girish Nath Jha, School of Sanskrit and Indic Studies, JNU

Rapporteur: Geeta Meena, School of Sanskrit and Indic Studies, JNU

1750-1800: TEA BREAK

1800 - 1900: Session 6: Panel Discussion: (Committee Hall)

Title – Impacts of Social Media on Indian languages

Coordinator: Uday Narayan Singh, Amity University (Former Director, CIIL Mysore)
- Udit Tyagi, Product Head at Times Internet
- Ramakrishnan Laxman, Head of Digital Business at ABP News Network
- S S Agarwal, Director, KIIT, Gurgaon
- Ritesh Kumar, B.R. Ambedkar University, Agra

Rapporteur: Ram Kishore, School of Sanskrit and Indic Studies, JNU

1900 - 2000: Cultural Event

Coordinator: Dr. Satyamurthy, JNU, New Delhi

Rapporteur: Ravi Kant and Shaminaz Khan, School of Sanskrit and Indic Studies, JNU

2000-2130: Dinner at JNU Cafeteria
DAY TWO
16 February 2019
VENUE: Convention Center, JNU

0930- 1100: Session 7: Plenary Talk (Committee Hall)
Chair: Prof. Shandar Ahmad, School of Computational & Integrative Sciences, JNU

- Rajeev R.R., International Center for Free & Open Source Software (ICFOSS), Trivandrum
  Free open Source Software for NLP
  Online Handwritten Recognition (OHR) on Indian languages (on Skype)
- Pushpak Bhattacharya, IIT Bombay (Director I.I.T Patna)
  NLP of Low Resource Languages

Coordinator: Dr. Rajneesh Kumar Mishra, School of Sanskrit and Indic Studies, JNU
Rapporteur: Ram Kishore, School of Sanskrit and Indic Studies, JNU

1100-1115: TEA BREAK

1115- 1315: Session 8: Research papers & White Paper Presentations

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<td><strong>Session Chair :</strong> Prof Elizabeth Sherly, IIITM, Trivandrum</td>
<td><strong>Session Chair :</strong> Dr. Niladri Shekhar Dash, Indian Statistical Institute, Kolkata</td>
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| - Digital Sanskrit To Meiteilon Dhātupāṭha  
  *Translation:* Konthoujam Kabi Khanganba (on Skype) | - Computational Representation of Derivational Process of Sanskrit Verb: Vivek Kumar and Subhash Chandra |
### 1315-1400: POSTER SESSION

**Chair:** Prof. Satish Chand, School of Computers & Systems Sciences, JNU

- **Language Identification of Devanagari Poems:** Priyankit Acharya, Aditya Kumar Pathak, Rakesh Chandra Balabantaray and Anil Kumar Singh
- **Multi Font Error Correction For Devanagari Script:** Teja Kundaikar and Jyoti Pawar
- **पवारी भाषा हेतु ई-शब्दकोश (E-Dictionary for Pawari Language):** Tufan Singh Pardhi
- **Some strategies to capture Kāraka-Yogyatā with special reference to Ablation:** Swaraja Salaskar, Malhar Kulkarni and Diptesh Kanojia
- **Automatic Part-of-speech Tagger for Monolingual and Code-mixed Assamese:** Manas Jyoti Bora
- **Digitization and Online Search for Terminological Knowledge of Sāṃkhya and Yoga Philosophy:** Anju and Subhash Chandra

**Rapporteur:** Anupama Pandey, MG Antarrashtriya Hindi University, Wardha

### 1315-1400: LUNCH

### 1400-1630: Session 9: White Paper Presentation

#### 1400-1630: Session 9A: (Committee Hall)

**Theme:** White Papers

**Session Chair:** Dr Jyoti D Pawar, Dept of Computer Science, Goa University

**Participants:**
- **White Paper on Assamese:** Madhumita Barbora & Arup Nath
- **White Paper on Bengali:** Niladri Sekhar Dash

#### 1400-1630: Session 9B: (Lecture Hall 2)

**Theme:** White Papers

**Session Chair:** Dr Rajnish K Mishra, School of Sanskrit & Indic Studies, JNU

**Participants:**
- **White Paper on Kashmiri:** Aadil Amin Kak (on Skype)
- **White Paper on Sindhi:** Pinkey Nainwani
1630-1645: TEA BREAK

1645-1730: Session 10: Tutorial on IMAGACT platform (Committee Hall)

The IMAGACT of Ontology of Action: Principles, Development and Validation for its use in the Indian environment:
Speaker - Prof. Massimo Moneglia, University of Florence (on Skype)

Chair: Prof Girish Nath Jha, School of Sanskrit and Indic Studies, JNU

1730-1900: Session 11: Panel discussion on “Indian Language Technology promoters in government and Industry” (Committee Hall)

Coordinator – Prof. Nilotpala Gandhi, Dept of Linguistics, Gujarat University, Ahmedabad

Panelists –
• Mrs Swaran Lata, Head TDIL, MEITY, Govt of India,
• Dr Jyoti D Pawar, Goa University
• Dr. Om Vikas, Former Director, ABVIITM, Gwalior

Rapporteur: Shagun Sinha, School of Sanskrit and Indic Studies, JNU

1930-2100: Dinner in JNU Cafeteria
DAY THREE
17 February 2019
VENUE: Convention Center, JNU

1015-1100: Session 12: Plenary Talk (Committee Hall)

Session Chair: Dr Ravikesh, Chairperson, Special Centre of E-learning, JNU
- Knowledge Graphs, Partha Pratim Talukdar, I.I.Sc. Bangalore (via Skype)

Coordinator: Prof. Sudhir K Arya, School of Sanskrit & Indic Studies, JNU
Rapporteur: Ravi Kant, School of Sanskrit and Indic Studies, JNU

1100-1115: TEA BREAK

1115-1300: Session 13: Research papers & White Paper Presentations

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<td><strong>Coordinator</strong> : Shwetangi Jha, MG Antarrashtriya Hindi University, Wardha</td>
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1300-1400: LUNCH

1400-1515: Session 14: White Paper Presentation (Committee Hall)

Session Chair: Dr Ashutosh Angiras, Ambala

Participants:
- White Paper on Kannada: Beluru Sudarshana & Annarao Kulkarni
- White Paper on Bodo: Swaran Prabha Chainary

Coordinator: Dr T Mahender, School of Sanskrit and Indic Studies, JNU
Rapporteur: Sachidanand Naik, School of Sanskrit and Indic Studies, JNU

1515-1600: Session 15: Plenary Talk (Committee Hall)

Session Chair: Prof. Girish Nath Jha, School of Sanskrit & Indic Studies, JNU

Speaker: Shantanu Chaudhary, IIT Delhi (Director IIT Jodhpur)

Optical Character Recognition (OCR)

1545-1700: Panel Discussion on “Information Technology in Sanskrit curricula”

Coordinator: Prof. Malhar Kulkarni, IIT-Bombay

Panelists:
- Dr. Om Vikas, Former Director, ABVIITM, Gwalior
- Sharada Sharma (HoD, Sanskrit, Delhi University)
- Girish Nath Jha (Dean, School of Sanskrit & Indic Studies, JNU)

1700-1730, Session 16: Book release and closure (Lecture Hall)

Release of the book Veda as global heritage: scientific perspectives (proceedings of “International Veda Conference” (IVC-2016) at JNU edited by Girish nath Jha, Sudhir Kumar Arya, Abhijit Dixit, Atul Ojha
Published by Vidyanidhi Prakashan, Delhi

By
• Prof Shantanu Chaudhary, IIT Delhi

• Dr. Om Vikas, Former Director, ABVIITM, Gwalior

• Prof Sharada Sharma (HoD, Sanskrit, Delhi University)

**Seminar Report:** Prof. Girish Nath Jha, JNU, New Delhi

**Vote of thanks:** Prof. Sudhir K Arya, School of Sanskrit & Indic Studies, JNU, New Delhi

**1730-1800:** Conference Photo & High Tea