**7th****April 2:00pm to 5:45pm** **Venue:** **New Seminar, SCIS**

**Technical Session: 1**

“AI methods for speech and Indian language research”

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| **Session Chair** | Dr. Ajit Kumar  Soongsil University |  |
| **Rapporteur** | Ms. Srijita Majumdar |  |
| **Plenary Talk by** | Dr. N S Reddy  Gyeongsang National University | **2:00 – 2:30** |
| **Demo session by** | Mr. Souvik Ghosh  Heritage College of Engineering, Kolkata | **2.30 - 3.00** |
| **Paper Presentations Total Time:-3:00 to 3:45** | | |
| **Mr. Nilabja Sarkar & Mr. Anubhab Chakraborty** | On recent trends in translation and analysis of Sanskrit Vedic texts | **3:00 – 3:15** |
| **Mr. Arkaprabha Basu + Mr. Mudit Bhatnagar** | Using computer vision approaches for OCR recognition of Devanagari scripts | **3:15 – 3:30** |
| **Mr. Anwar Ali** | A brief study on tools for Automatic Speech recognition for Indian Languages | **3:30 – 3:45** |
| **Ms. Kashish Gupta** | Understanding transformer-networks for efficient Machine translation of Indian languages | **3:45 – 4:00** |

**Technical Session: 2**

“Advances in AI and Sanatana dharma research in the context of Modern-day India”

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| **Session Chair** | Dr. B. N. Nageswara Rao |  |
| **Rapporteur** | Mr. Yashasvi R P |  |
| **Plenary Talk by** | Dr. Perugu Shyam  NIT Warangal | **4:00 – 4:30** |
| **Paper Presentation Total Time:-4:00 to 5:45** | | |
| **Ms. Srijita Majumdar** | Improvement of Maternal Health and mindset with the aid of AI in modern India | **4:30 – 4:45** |
| **Ms. Niharika Penumur & Mr. Shrujan Gujjari** | Using AI and VR technologies for mental wellness using principles of Sanatana Dharma | **4:45 – 5:00** |
| **Ms. Jeyapreetha M** | Using Sanatana Dharma principles to understand machine consciousness in AI | **5:00 – 5:15** |
| **Ms. S. Kiran Maee** | A study into progress of AI research in medical domain in post-colonial India | **5:15 – 5:30** |

**8th****April 9:15am to 1:00pm** **Venue:** **New Seminar Hall, SCIS**

**Technical Session: 3**

“Social and cultural aspects of designing AI systems in context of Sanatana Dharma”

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| **Session Chair** | Prof. R. P. Lal |  |
| **Rapporteur** | Ms. Srijita Majumdar |  |
| **Plenary Talk by** | Prof. Hrushikesha Mohanty,  Retired Professor, UoH and Emeritus Professor, CVR Engineering College | **10:30-11:00** |
| **Paper Presentation Total Time:-9:15 to 10:45** | | |
| **Mr. Shubham Misra &**  **Mr. Vedant Acharya** | On better experiencing Slokas using recitation and local-language translation | **9:15-9:30** |
| **Mr. Jatin Dehmiwal** | On end-user software for increasing accessibility of books to Indian masses | **9:30-9:45** |
| **Ms. Chhanda Saha** | ML-supported IoT approaches for women  security | **10:00-10:15** |
| **Ms. Shruti Singhania & Mr. Deme Saikiran** | Studies on the intersection of Sanatana Dharma and modern-day AI research | **10:15-10:30** |
| **Mr. Vivek Kumar** | Intelligent “assistance” systems for elderly people in modern nuclear society | **10:30-10:45** |

**Technical Session: 4**

“Health and lifestyle improvement through Sanatana Dharma and Artificial Intelligence”

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| **Session Chair** | Prof. V. Ushashree  Principal JBREC |  |
| **Rapporteur** | Mr. Yashasvi R P |  |
| **Plenary Talk by** | Dr. Dimple Kaur | **5.30-6.00** |
| **Paper Presentation Total Time:-11:15 to 12:30** | | |
| **Ms. J Vineetha** | On the advancement of Digital India initiative and it’s progress in AI | **11.15-11.30** |
| **Ms. Rashmi Sinha & Mr. Anmol Adarsh** | Modern day research in NLU for Sanskrit: A private sector perspective | **11.30–11:45** |
| **Mr. Adesh Raut** | On using Sanskrit for developing next generation Operating system | **11:45–12:00** |
| **Mr. Ravikant Gautam** | A study on audio analysis tools for Indian music sentiment research | **12.00–12:15** |