Technical Session 1

“AI methods for speech and Indian language research”

**7th****April 2:00pm to 3:45pm** **Venue:** **New Seminar, SCIS**

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| **Session Chair** | Dr. Ajit Kumar  Soongsil University |  |
| **Rapporteur** | Ms. Srijita Majumdar |  |
| **Keynote speech by** | Dr. N S Reddy  Gyeongsang National University | **2:00 – 2:30** |
| **Student paper presentation** | | |
| **Mr. Nilabja Sarkar & Mr. Anubhab** | On recent trends in translation and analysis of Sanskrit Vedic texts | **2:30 – 2:45** |
| **Ms. Kashish Gupta** | Understanding transformer-networks for efficient Machine translation of Indian languages | **2:45 – 3:00** |
| **Mr. Anubhab Chakraborty** | On machine translation methods for local Indian languages | **3:00 – 3:15** |
| **Mr. Arkaprava Basu + Mr. Mudit** | 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** |

Technical Session 2

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

**7th****April 4:00pm to 5:30pm** **Venue:** **New Seminar, SCIS**

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| **Session Chair** | Prof. Ushashree B |  |
| **Rapporteur** | Mr. Yashashvi R P |  |
| **Plenary speech by** |  | **4:00 – 4:30** |
| **Student paper presentation** | | |
| **Ms. Srijita Majumder** | Improvement of Maternal Health and mindset with the aid of AI in modern India | **4:30 – 4:45** |
| **Ms. Niharika Pennur** | Using AI and VR technologies for mental wellness using principles of Sanatana Dharma | **4:45 – 5:00** |
| **Ms. Shruti Singhania** | Studies on the intersection of Sanatana Dharma and modern day AI research | **5:00 – 5:15** |
| **Ms. Jeyapreetha M** | Using Sanatana Dharma principles to understand machine consciousness in AI | **5:15 – 5:30** |
| **Ms. Kiramaee** | A study into progress of AI research in medical domain in post-colonial India | **5:30 – 5:45** |