

Date: 23-06-2022

Academic year: 2021-2022

Activity: Guest Lecture on **Synergy based human-machine interfaces**

Consolidate Report

As per the schedule in department academic plan, a guest lecture on “Synergy based human-machine interfaces” was conducted on 23-06-2022 for III CSE students. Prof. Ramana Kumar Vinjamuri from University of Maryland Baltimore country, USA is the resource person for the session.

The following topics were covered during session:

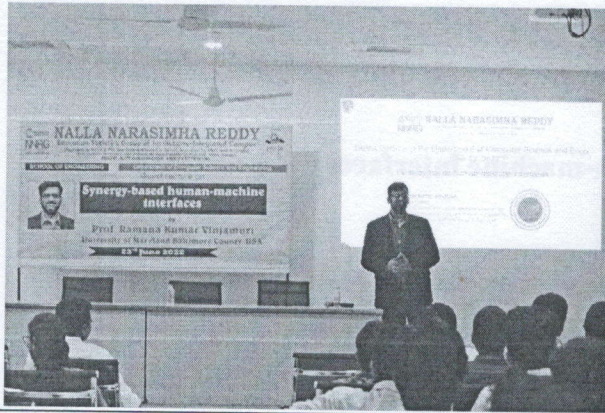
- Dimensionality reduction in control of hand movement.
- Neural representation of Synergy-based hand Movements.
- Applications of Synergies

OUTCOME:

Students got Knowledge on Synergy based human-machine interfaces, observation on a contrast between the brain-machine and the body-machine interface.

Action Plan:

Plan to conduct more number of hands of session on Brain-machine interface, Dimensionality reduction, Rehabilitation, Wheelchair, Robotics, Redundancy and related topics.



B. V. L.
 23/6/22

HEAD-CSE

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