



## DEPARTMENT OF BIOMEDICAL ENGINEERING

### REPORT

## Guest Lecture to our faculties and students on the topic “BIOMECHANICS OF THE HUMAN BODY” on 02.11.2020.

The Department of biomedical Engineering conducted a Guest Lecture to our faculties and students on the topic “**BIOMECHANICS OF THE HUMAN BODY** ” on **02.11.2020**.

The guest speaker **Mr.KrishnaKumar Sankar**, Research Scholar , Rajalakshmi Engineering College , Assistant Professor , Department of Biomedical Engineering , Rajalakshmi Engineering College ,with lot of insights and research on Biomechanics of upper and lower extremity, Spinal Cord Injury, Spinal Cord Biomechanics, Facial Biomechanics , and the Author of the Book “**HAND ATLAS ON SPINAL CORD: HAND BOOK FOR BIOMEDICAL ENGINEERS**”



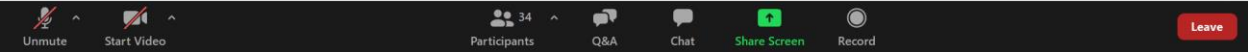
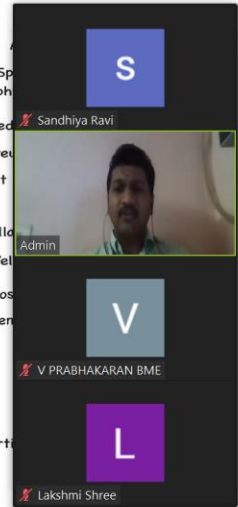
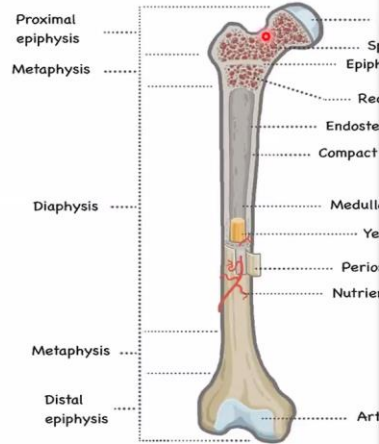
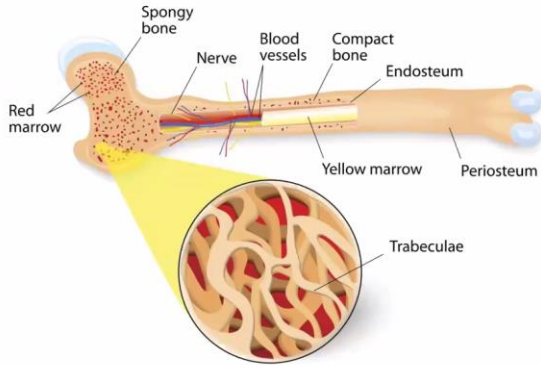
LIVE on YouTube

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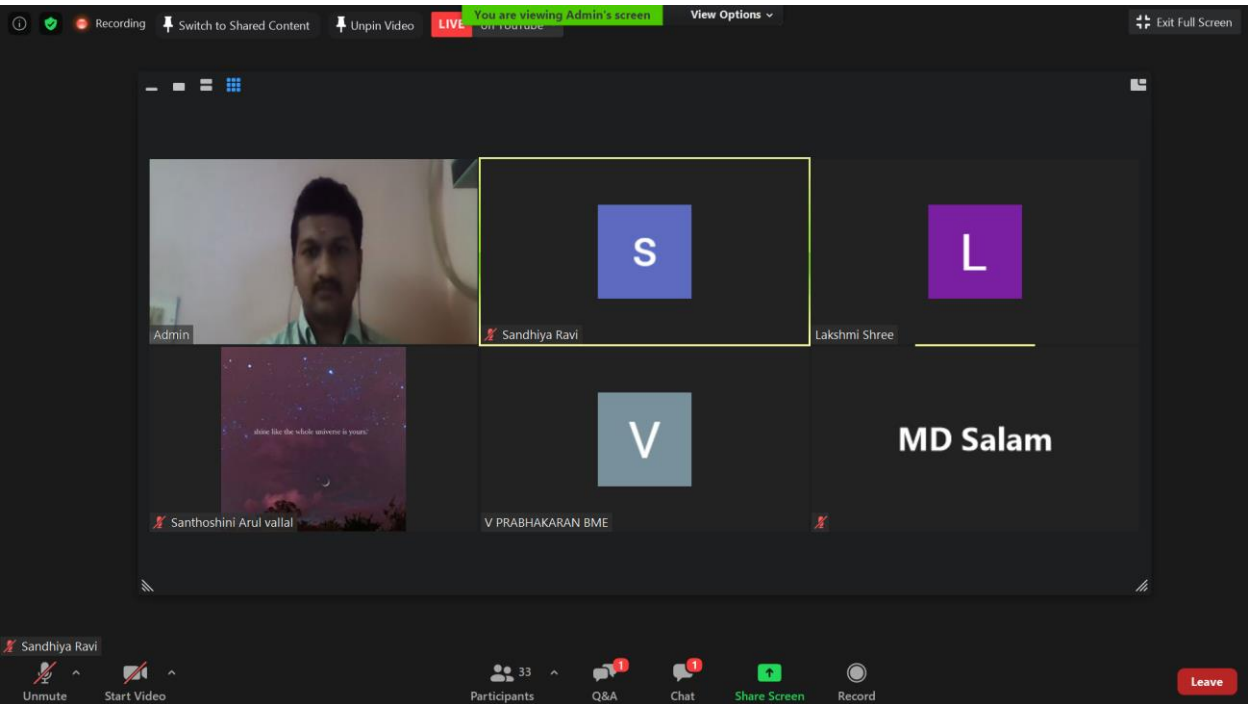
View Options

# Bone

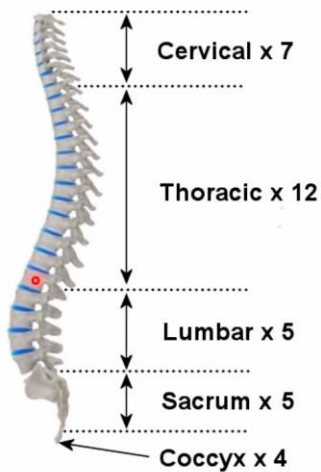
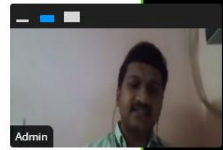
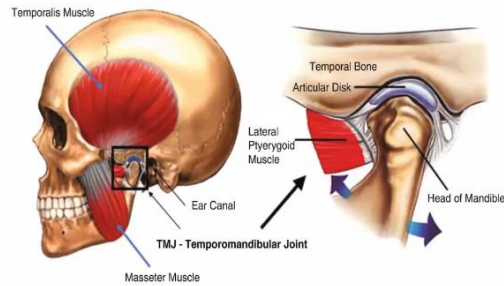
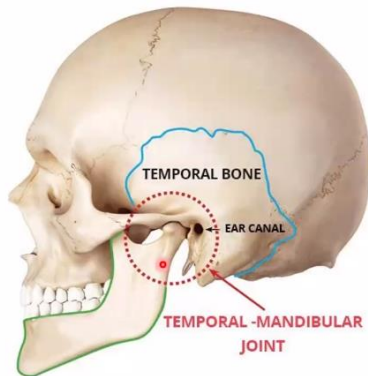
## BONE ANATOMY



This Guest lecture covered the major 9 joints and its function , types of bones , tendons , ligaments in our body , various movements of the bones in upper and lower extremity. A wide research aspect of the biomechanics was explained . Artificial Synovial Fluid to cure the diseases and its generation was briefed. Many project based questions on Rehabilitation were explained to the students questionnaires.



# Temporomandibular joint



## Spinal Nerve

- Spinal nerves:
  1. 8 pairs of cervical spinal nerves
  2. 12 pairs of thoracic spinal nerves
  3. 5 pairs of lumbar spinal nerves.
  4. 5 pairs of sacral spinal nerves
  5. 1 pairs of coccyx spinal nerves.

neuroscienceMizan

