K L E F

KONERU LAKSHMAIAH EDUCATION FOUNDATION

(Deemed to be university estd, u/s, 3 of the UGC Act, 1956)

(NAAC Accredited "A" Grade University)

Department of Mechanical Engineering

Alumni Knowledge Sharing Session

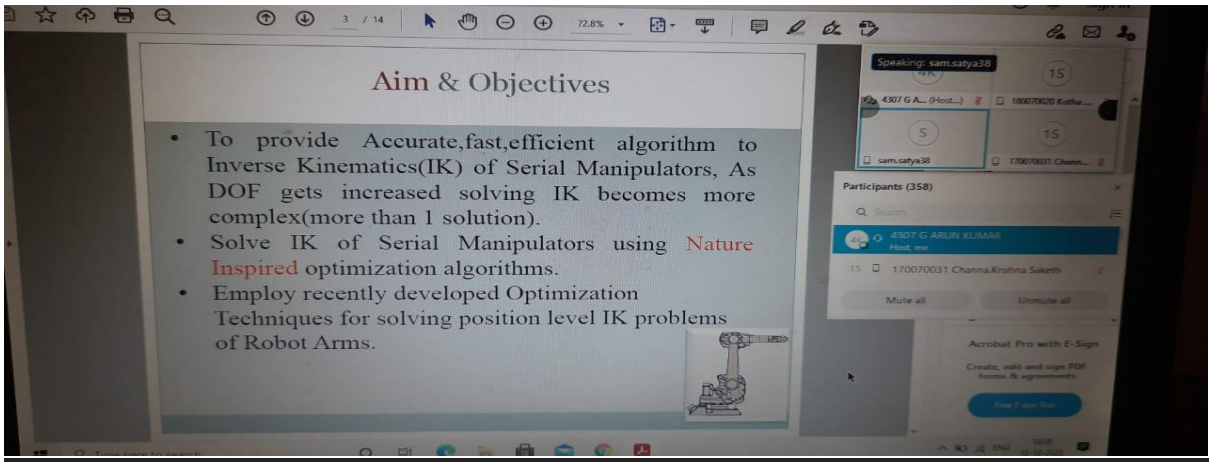
An Alumni Guest lecture was delivered through **online(webex)** on 10/10/2020 to B.Tech Mechanical Engineering students and Faculty of ME DEPARTMENT, Time : 10 am TO 11 am topic on" Inverse Kinematics Analysis of Serial Manipulators Using Geneti Algorithms" by 2015 MTECH batch of Alumni of Mechanical Engineering Department by **Mr.J.Sathyendra Kumar, Specialisation: Robotics and Mechatronics: Topic: Inverse Kinematics Analysis of Serial Manipulators Using Geneti Algorithms Name of Company / Organisation working: L&T as Project Head,Bangolore, Email ID: sam.sathya38@gmail.com Contact Number: 9902407118, City / Country/ Region and Location: Bengaluru Karnataka.** He talked about the following points

- To provide Accurate, fast, efficient algorithm to Inverse Kinematics(IK) of Serial Manipulators, As DOF gets increased solving IK becomes more complex(morethan1solution).
- Solve IK of Serial Manipulators using Nature inspired optimization algorithms
- Employ recently developed Optimization Techniques for solving position level IK problems of Robot Arms.

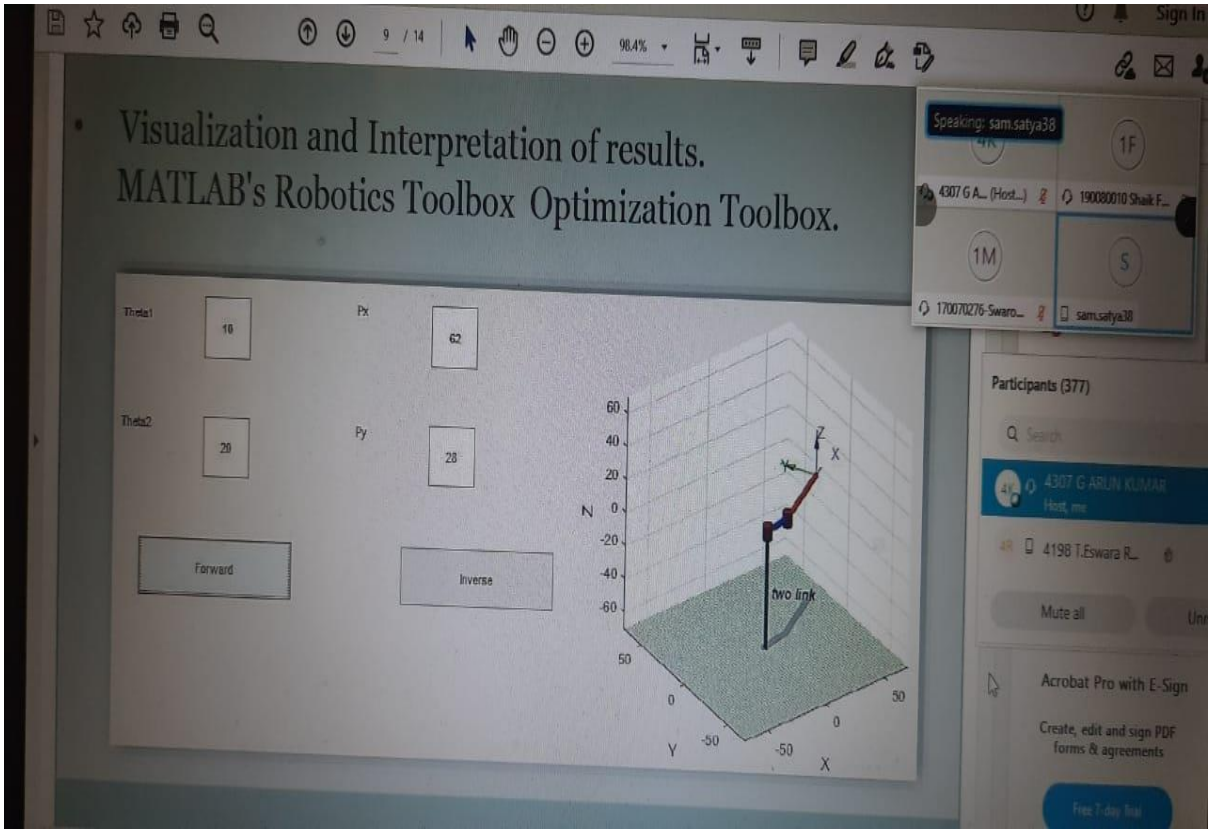
WEBEX Link:

https://meetingsapac20.webex.com/meetingsapac20/j.php?MTID=meaec7435483fd84d984b98c09bbec617

Some Glimses of Guest Lecture




Future Robots
Self Driving Cars
Localization
Path Planning & Navigation
Flying Cars & Autonomous Systems
Estimation – Kalman Filter
Speaking: sam.satya38, 190070137
Chat
Can Maglev Technology stops Selfdriving vehicle technology?
thank you sir for exploring us advanced topic
Acrobat Pro with E-Sign
Create, edit and sign PDF forms & agreements


Visualization and Interpretation of results.
MATLAB's Robotics Toolbox Optimization Toolbox.
Theta1
10
Px
62
Theta2
20
Py
28
Forward
Inverse
two link
Speaking: sam.satya38
Participants (377)
Mute all
Acrobat Pro with E-Sign
Create, edit and sign PDF forms & agreements