A Report on Webinar on Topic

"Role of Statistics in Data Science & Sample size determination in medical and biological sciences"

Massive complex data is getting generated in the recent decades in different fields including in medical, financial, meteorological, and industrial sectors. This have led to a new discipline called data science, which is considered as a combination of Statistics and computer science in dealing complex data. Given the growing interest of researchers from different disciplines in knowing what data science can offer to them, and in knowing what is the role of Statistics in data science, and given the increasing importance on sample size determination in medical and biological sciences, a national-level webinar was conducted by the Department of Statistics, Pachhunga University College (PUC), Aizawl, on both these topics on 27th July 2020.

Dr. Samba Siva Rao Pasupuleti, Assistant Professor, Department of Statistics, Pachhunga University College, Aizawl and Mr. Lalpawimawha, Assistant Professor, Department of Statistics, Pachhunga University College, Aizawl were the organizing secretaries for this webinar. Dr. Anupam Kumar, Associate Professor and Head, Department of Statistics, Pachhunga University College, Dr. Mukesh Ranjan and Dr. Zoramthanga, both Assistant Professors in the Department of Statistics, Pachhunga University College, have coordinated this webinar.

As a part of this webinar, **Prof. Padi Tirupati Rao**, Department of Statistics, Pondicherry University (A Central University), gave a talk on "**Role of Statistics in Data Science**" and **Dr. Atanu Bhattacharjee** (A Fellow of Royal Statistical Society), Assistant Professor, Tata Memorial Centre and Homi Bhabha National Institute, Mumbai, gave a talk on "**Sample Size Determination in Medical and Biological Sciences**". Each speaker delivered their talk for one hour and their talks were followed by a questions and answers session for about 15 minutes for each speaker.

Other details of the webinar as under:

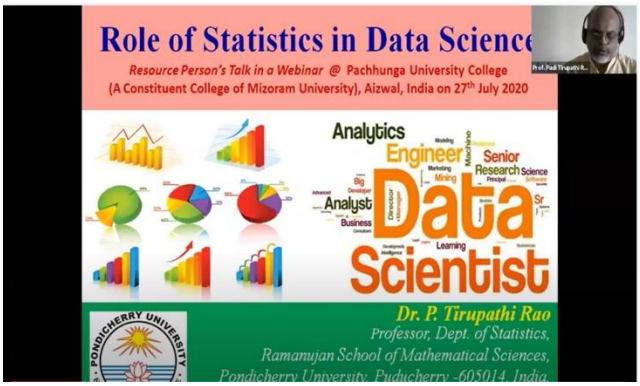
Date & Time: 27-07-2020 & 10:30 AM to 1:00 PM

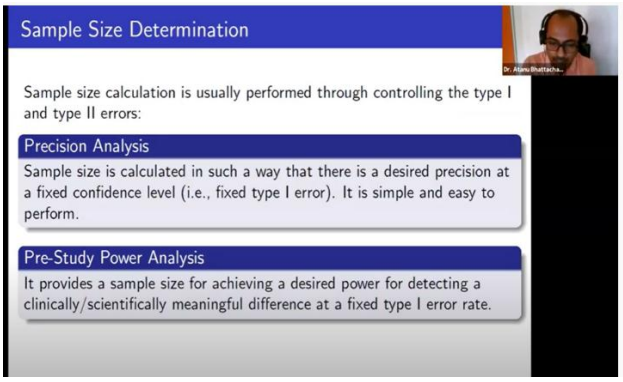
Latitude & Longitude: 23°43' 23.808'' N & 92°43' 32.1024" E

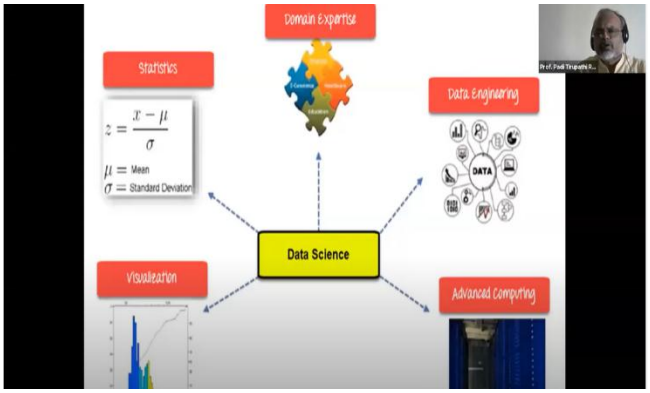
Number of participants registered = 1007

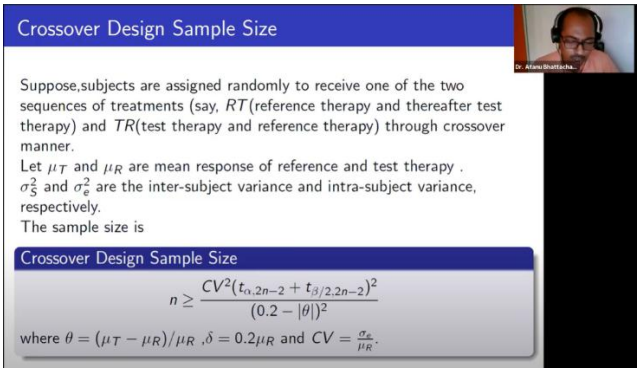
Number of participants attended = 649

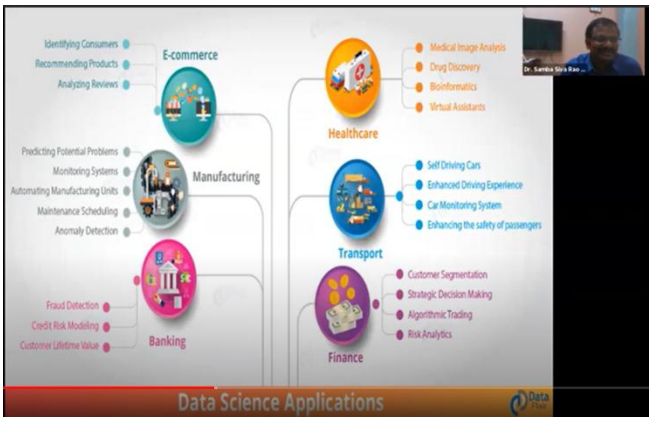
Some Snapshots from the Webinar:

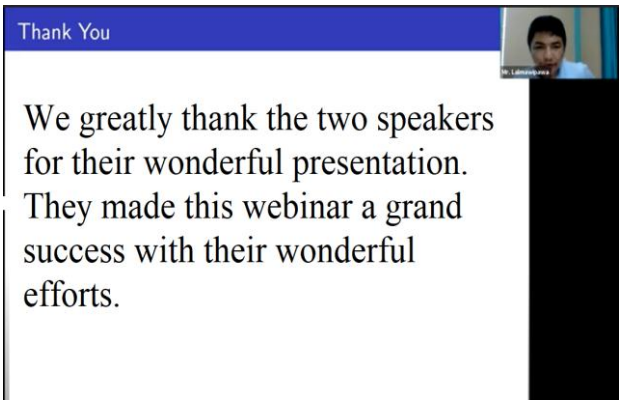












Signature of IQAC coordinator

Signature of HoD