

National Center in Big Data and Cloud Computing (NCBC)

web.lums.edu.pk/~ncbc

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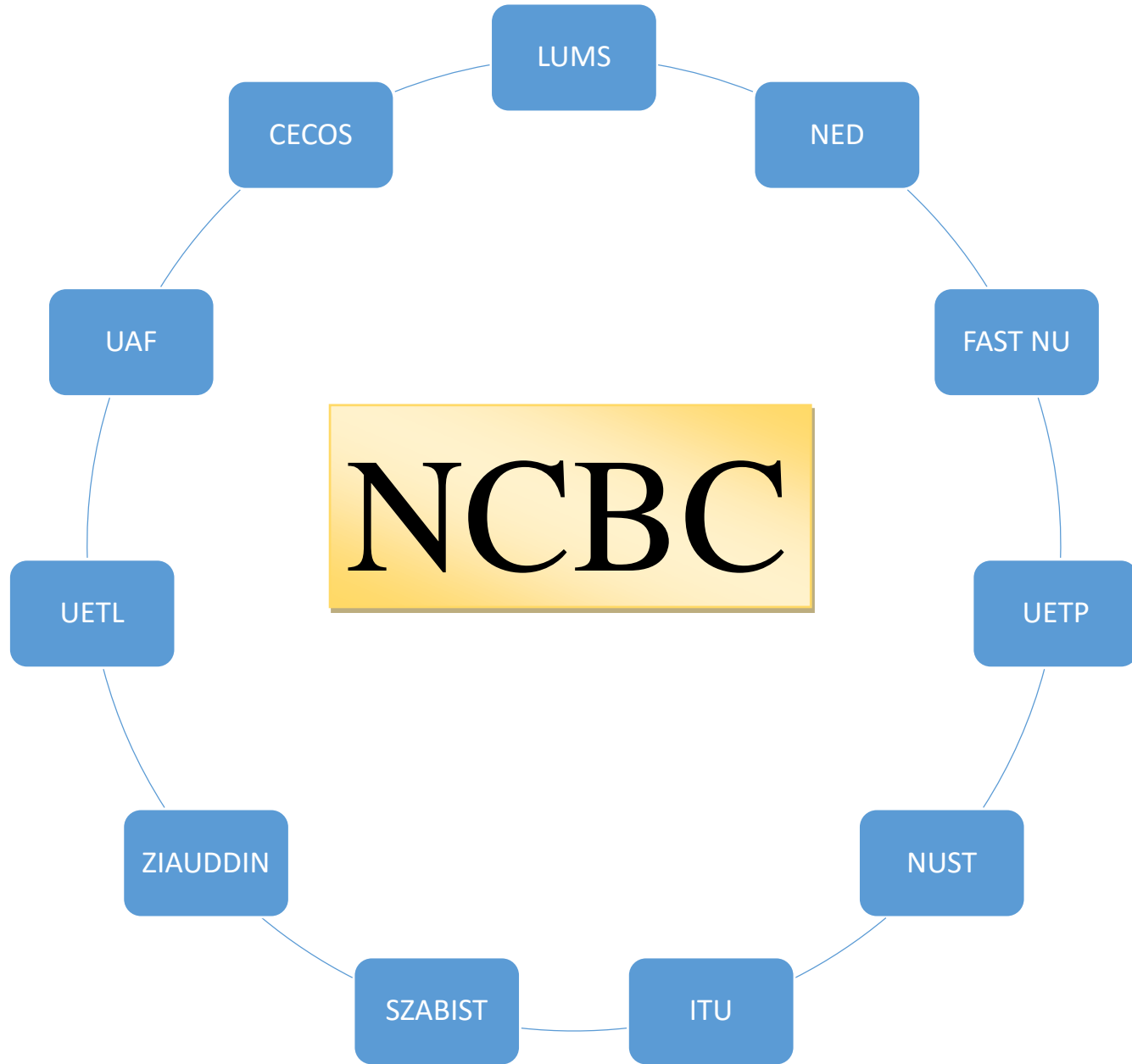
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Introduction

The National Center in Big Data and Cloud Computing (NCBC) focuses on R&D and human resource development in the specialized field of Big Data and Cloud Computing and its practical applications, which are important components of Vision 2025. The role of Big Data Analytics and Cloud Computing is growing in many businesses and applications domains and has become extremely critical to economic growth and national competitiveness. NCBC aims at becoming the leading hub of innovation, scientific research, knowledge transfer to local economy, and training in the area of data analytics, cloud computing, and data science.

NCBC Affiliated Labs

NCBC Secretariat (LUMS)

Digital Pakistan Lab (CEME, NUST)

Distributed Computing Lab (LUMS)

Language Engineering Lab (UET Lahore)

Exascale Open Data Lab (NED-UET, Karachi)

Precision Medicine Lab (CECOS & FAST NU, Islamabad)

Video Surveillance Lab (PNEC NUST & FAST NU, Karachi)

Sustainable Energy Informatics Lab (LUMS)

Predictive Analytics Lab (SZABIST, ISB & KHI)

Precision Agriculture and Analytics Lab (University of Agriculture, Faisalabad)

Crime Investigation and Prevention Lab (ITU, Lahore)

Data Acquisition, processing & Predictive Analytics (Ziauddin University)

Data and Analytics Lab (UET Peshawar)

National Center in Big Data and Cloud Computing

- High Performance Computing Clusters
- Research Data Portal
- Research Fund

Nine Challenges from Agritech Workshop

- Optimal Usage of Water
- Warehousing
- Credit Availability
- Skills & Training of farmers
- Lack of locally produced good quality seed
- Value Addition/Marketing Margins
- Lack of R & D on Soil Quality
- Lack of Entrepreneurship
- Lack of Access to Alternate crop / Access to Finance