

RESOURCE PERSONS



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Ph.D., D.Sc., FlntP.(London)
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Dr. S. Saravanan Dean - Admin
Dr. S. Balasubramanian Dean - R&D
Dr. V. Shanmugaraju Dean - SA

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Prof. Dr. A. Muthusamy
Department of Computer Science with Cognitive Systems
Prof. S. Kokila
Department of Clinical Lab Technology
Dr. D. Maheshwari
Department of Computer Technology

ORGANIZING SECRETARIES

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Department of Computer Technology
Dr. C. Hemalatha
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NATIONAL WORKSHOP ON BIG DATA ANALYTICS IN CLINICAL RESEARCH

(BDACR - 21)

March 18 - 19, 2021



Organized by

Department of Computer Science with Cognitive Systems
Department of Clinical Lab Technology
&
Department of Computer Technology



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
Approved by Government of Tamil Nadu & Accredited by NAAC with 'A' Grade (2nd Cycle)
Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.
Website: www.drngpasc.ac.in | Email: info@drngpasc.ac.in | Phone: +91-422-2369100

ABOUT THE INSTITUTE

Dr. N.G.P. Arts and Science College (Autonomous), established in the year 1997. The continuous and consistent effort of the Management along with dedicated Staff members has led the Institution to achieve accolades in Higher Education. The state-of-the-art facilities established across the disciplines of Science, Commerce, Management and Humanities have paved way for rendering quality higher education which are proven through 85th Ranking in NIRF and Accredited by NAAC with 'A' Grade (2nd Cycle).

THE DEPARTMENT

The Computer Science stream incorporates (CS, CA, IT, CT, CSDA, CSCs & PG - Research) six departments. Totally, 1700 students are pursuing in these programmes. Each discipline is progressed with well-qualified faculty members and fully equipped computer laboratories with high bandwidth of internet connection. The vision is to provide, best opportunities and an environment in quality education with professional competencies for life and career skills. The mission is to provide extensive knowledge and enhance the students towards the challenging environment.

The Biosciences stream encompasses five departments Biochemistry, Clinical Lab Technology, Biotechnology, Microbiology and Food Science & Nutrition. A total of 1200 students are pursuing under graduation, post graduation, and research in each of these disciplines and strengthened with highly qualified and dedicated faculty members. The departments are well equipped with laboratories and instrument rooms, all of which house many state-of-the-art scientific instruments. The vision is to provide quality education for research expansion and to enhance employability and interdisciplinary skills among the students. The mission is to provide strong in-depth knowledge in the field of biosciences and to equip them to face the emerging challenges in their knowledge area.

OBJECTIVE

The objective of the workshop is to enable the students, researchers, academicians, and industry fraternity to focus on the enormous volumes of data collected across the clinical trials process, offers pharma and biotech the opportunity to harness the information in these big data sets for improved clinical trial design, patient recruitment, site selection, monitoring insights and overall decision making. Harnessing and unlocking the potential in existing data sources, including Biomarkers, Genomes, EHRs, Claims Data, Real World Data and Clinical Trial Data, can ultimately lead to improved drug development. The workshop is organized in an interdisciplinary manner to bring together leading scientists, researchers, academicians and industrialists working on a diverse range of Big Data Analytics in Clinical Research to engage in a discussion about the recent trends on harnessing the existing Clinical Data to advance the Clinical Trial Processes.

THRUST AREAS FOR THE WORKSHOP

- Introduction on Big Data Analytics in Clinical Research
- Principles of Pharmacology, Drug Discovery & Development
- Clinical Data Management, Biostatistics & Reporting
- Clinical Data Management Tools
- Machine Learning & Artificial Intelligence
- Medical Image Processing & Diagnostics
- Distributed Search Methods
- Smart Matching Algorithms
- UAT (User Acceptance Testing) & Quality Assurance

IMPORTANT DATES

Last date for registration along with registration form and DD is on or before 16.03.2021

REGISTRATION FEE

Registration is compulsory for all the participants. It includes e-Certificate and workshop materials. A maximum of 150 participants are permissible on first come first serve basis. The workshop is organized through online mode.

Participants	
Students (UG & PG)	₹ 100
Academicians / Research Scholars	₹ 150
Industrial Delegates	₹ 200

The participants are requested to send their filled-in registration form along with the prescribed fee through demand draft drawn in favour of "NGP-CS, Dr. N.G.P. Arts and Science College", payable at Coimbatore.

ELIGIBILITY

Graduates, Post Graduates, Research Scholars, Academicians, Nurses, Pharmacists, Practicing Clinicians, Industrialists in Clinical Studies, Biomedical Sciences, Pharmaceutical Sciences, Pharmacy Practice, Computer Science and other Health Professionals discipline are eligible to participate in this workshop.

ADDRESS FOR CORRESPONDENCE

The Convener
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