Scanned copy of duly Completed Registration Form along with 1-page write-up (reasons to attend this course) and DD/Cheque should be sent by Email to pkbhambri@gndec.ac.in or posted to

Dr. Pankaj Bhambri,
Course Coordinator,
Department of Information Technology,
Guru Nanak Dev Engineering College,
Ludhiana, Punjab, 141006

Please send a **single email** with attachments as:
(a) 1-page write-up (b) Scanned copy of the filled-in and signed form. (c) Scanned copy of DD/Cheque. The title of the email should be **"QIP STC on AI, Big Data and HPC Aligned Applications-A Modern Approach of Computing"**.
Note: Bring original Registration Form and DD/Cheque at the Time of Registration.

IMPORTANT DATES

Last Date for Receipt of Application: **24th Dec., 2018**
Intimation of Acceptance: **27th Dec., 2018**
Short Term Course Dates: **Dec. 31st 2018 – Jan. 04th 2019**

Incomplete application forms will not be entertained.

VENUE FOR COURSE

Consultancy Hall, GNDEC, Ludhiana.

TIME & DATE FOR REGISTRATION

9:15 a.m. of Dec. 31st, 2018 at the venue of the course.

ELIGIBILITY

Faculty/ Research scholars (Engineering/ Science/ Management discipline) of degree level engineering colleges recognized by AICTE/UGC/MHRD are eligible to attend the course. Related Research scholars/personnel from R&D/ industrial organizations will also be considered subject to availability of seats.

COURSE EVALUATION

Participants would be awarded **'Course Completion Certificate'** on attending the course as per QIP norms.

REGISTRATION

There is no registration fee for the course. All short-listed candidates are required to confirm their participation by sending a Cheque/Demand Draft of Rs. 1000/- (One thousand) in the name of "PRINCIPAL, GNDEC, Ludhiana" as a caution fee. This amount will be refunded to the participant if he/she attends the course. In case a participant does not attend the course, the above amount will be forfeited. Short listing and confirmation of eligible candidates will be done on a first come first basis (on receipt of registration form through email).

TRANSPORT, BOARDING & LODGING

Participants are entitled for to and fro 2nd class (Sleeper Class or AC) railway/bus fare by the shortest route from their organization to GNDEC, Ludhiana as per QIP norms. Accommodation will be provided in the students Hostels or Guest House on sharing basis. DA will not be permissible.

CHIEF PATRON

Dr. Sehijpal Singh, Principal

COURSE COORDINATORS

Dr. Kiran Jyoti, Assistant Prof. & HOD (IT)
it@gndec.ac.in; +91 98722-24422

Dr. Pankaj Bhambri, Assistant Prof. (IT)
pkbhambri@gndec.ac.in; +91 98148-28414

ORGANIZING COMMITTEE

Faculty and Staff, Department of Information Technology

RESOURCE PERSONS

- Dr. P.P. Roy (IIT, Roorkee)
- Dr. S.S. Jha (IIT, Ropar)
- Dr. Sudarshan Iyengar (IIT, Ropar)
- Dr. Geeta Sikka (NIT, Jalandhar)
- Dr. Kuldeep Kumar (NIT, Jalandhar)
- Dr. S.S. Anand (Sabudh Foundation, New Delhi)
- Dr. Sarabjeet Singh (UIET, Chandigarh)
- Er. Vipin Gupta (U.Net Solutions, Moga)
- Er. Amit Deoger (NITTTR, Chandigarh)
- Er. Navjot Singh (AlertEnterprise, Chandigarh)
- and many more...

QIP Short Term Course

on

AI, Big Data and HPC Aligned Applications - A Modern Approach of Computing

Dec. 31st 2018 – Jan. 04th 2019

Organized by

Department of Information Technology
Guru Nanak Dev Engineering College
Ludhiana, Punjab – 141006

ABOUT THE INSTITUTE & DEPARTMENT

Guru Nanak Dev Engineering College, Ludhiana (An Autonomous College under UGC Act), established in 1956, oldest and premier institute of Punjab, is providing education in the field of engineering by comprehending the need for up-liftment of rural youth in highly competitive, technologically-elevated society, in particular, and understanding the thirst for knowledge of students and quenching it in general. The College has been declared an Autonomous College by UGC, New Delhi in 2012. This college has the privilege of starting Ph.D. degree under Quality Improvement Programme (QIP) by AICTE, New Delhi. Apart from offering various Accredited graduate level B.Tech. courses vis-a-vis Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, Production Engineering, Information Technology; the institute imparts instruction in eleven Postgraduate M.Tech. courses both on regular and part time basis. An excellent platform is provided to the researchers leading to Ph.D. degree program.

Department of Information Technology was established in 2001. Since its inception, the department has contributed in a big way to the society by providing technical manpower for various fields in India and abroad. Around 1000 graduates and 100 post graduates from the department are settled in very good positions all over the Globe. At present, the department is proud to get best merit students in the region. The faculty of the department continues to provide new frontiers of technical knowledge to the students by imparting quality education and research. The UG course is NBA accredited and is keeping pace with the latest developments in engineering education.

ABOUT THE COURSE

This Short Term Course will provide opportunity to understand and apply knowledge to complex computational challenges of modern time like scaling computational resources and rapid data growth. Developing key insight about the digital disruption and shift in the computation paradigm will also be the focus area. Broad subject areas for this course are Machine Learning, Natural Language Processing, Data Analytics, Parallel and Distributed Computing. This course will create a platform for industry and academia luminaries to share best practices and techniques to help realize the potential of these technologies.

Course Objectives:

- To expose the faculty/ research scholars/ industry based persons in emerging technologies in the area of AI, Bigdata and HPC aligned applications.
- To provide the practical foundation level training that enables insight into digital disruption and accelerating machine learning on AI through performance libraries and platforms.

Course Contents:

1. AI, Bigdata and HPC Aligned Applications
2. Exposure to Analysis and Interpretation of Data
3. AI, Bigdata and HPC Research Methods
4. Exploration of Contemporary Research on Teaching and Learning
5. Real Life Implementation Scenarios
6. Case studies
7. Lab sessions

Course Timings:

Session wise Schedule (Dec. 31st 2018 – Jan. 04th 2019)

Session I	**09:00 a.m. to 10:30 a.m.**
	Tea Break (10:30 a.m. to 10:45 a.m.)
Session II	**10:45 a.m. to 12:15 p.m.**
	Lunch (12:15 p.m. to 01:00 p.m.)
Session III	**01:00 p.m. to 02:30 p.m.**
	Tea Break (02:30 p.m. to 02:45 p.m.)
Session IV	**02:45 p.m. to 04:15 p.m.**

COURSE BENEFICIARIES

Faculty/ Research Scholars involved in Teaching/ Research/ Consultancy work

BROAD SUBJECT AREA

Information Technology, Computer Science & Engineering

RELATED DISCIPLINES

Computer Applications, CS, ECE, EE, ME, PE & CE etc.

NOTE: For additional copies of the registration form, use a photocopy of this brochure or type in the format given. For further details: **https://it.gndec.ac.in/**

QIP Short Term Course

on

AI, Big Data and HPC Aligned Applications - A Modern Approach of Computing

Dec. 31st 2018 – Jan. 04th 2019

Registration Form

Name (in block letters): _____

_____

Designation: _____

Organization: _____

_____

Mailing Address: _____

_____

Age: _____ Sex (M/F): _____

D.D./Cheque No. _____ Date _____

Bank Name: _____

Mobile: _____

Email: _____

Educational Qualifications: _____

Prior Exposure to such program: Yes / No

Accommodation Required in Campus: Yes/ No

Signature of Applicant:

Sponsorship & Signature of Head of the College / Institute (with date & seal).

(Important: By signing above head of the College/Institute certifies that applicant is a faculty member of degree level engineering college recognized by AICTE)

Form should be complete otherwise the application will be rejected