

National Level Training Programmes

**Faculty Development Programme
for Faculty/PhD Scholars/PDF Scholars/PG/UG Students
on
*Data Science and Big Data Analytics***

Date: 26.08.2019 to 06.09.2019



Sponsored by

**Interdisciplinary Cyber Physical System Division,
Department of Science & Technology (DST),
Government of India, New Delhi**

**Organized by
Department of Business Management**



**Indira Gandhi National Tribal University
(A Central University)**

Interdisciplinary Cyber Physical System Division, DST

DST has recently launched a new programme “Interdisciplinary Cyber Physical Systems (ICPS)” to foster and promote R&D in this emerging field of research. A Cyber Physical System (CPS) is a mechanism controlled or monitored by computer-based algorithms, tightly integrated with internet and its users. It is an engineered system that are built from and depend upon, the seamless integration of computational algorithms and physical components. In general Cyber means computation, communication and control that are discrete and logical. Physical means natural and human-made systems governed by the laws of physics and operating in continuous time. Computing and communication systems bridges with the physical world are referred to as Cyber Physical Systems. CPS are physical and engineered systems whose operations are monitored, coordinated, controlled and integrated by a computing and communication core.

Objectives of the Training program:

To expose the Faculty/ Research Scholars/ Students in emerging technologies in the areas of Data Science and Big Data Analytics. This course provides practical foundation level training that enables immediate and effective participation in big data and other analytics projects. It includes an introduction to big data and the Data Analytics Lifecycle to address business challenges that leverage big data. The course provides grounding in basic and advanced analytic methods and an introduction to big data analytics technology and tools. The extensive labs throughout provide many opportunities for students to apply these methods and tools to real-world business challenges as a practicing Data Scientist. The course takes an "Open", or technology-neutral approach, and includes a final lab in which students address a big data analytics challenge by applying the concepts taught in the course in the context of the Data Analytics Lifecycle.

LEARNING OUTCOMES:

- Apply data science techniques to your organization’s data management challenges.
- Identify and avoid common pitfalls in big data analytics.
- Deploy machine learning algorithms to mine your data.
- Interpret analytical models to make better business decisions.
- Understand the challenges associated with scaling big data algorithms.
- Convert datasets to models through predictive analytics.

About University and Department

The Indira Gandhi National Tribal University, Amarkantak has been established by an Act of the Parliament of India. It came into existence by the Indira Gandhi National Tribal University Act, 2007 and came into action on July 2008. The

jurisdiction of the University extends to the whole country and it is fully funded by the Central Government through the University Grant Commission. The university caters to the tribals' long cherished dream of higher education.

The Department of Business Management, an earliest department along with the establishment of the university, offers two year MBA programme along with three year BBA program under aegis of faculty of commerce and management. The department is in infancy stage and is laying a strong foundation for preparing future business managers. The department is equipped with modern gadgets to support the cutting-edge teaching and research pedagogy. As many as six regular faculty members have joined the department with strong commitments of improving quality teaching and research. These faculty members are highly qualified and experienced with different specializations to teach and train the young budding minds aspiring to becoming business managers and entrepreneurs.

About Amarkantak: Amarkantak is one of the best tourist and religious place of Madhya Pradesh. Amarkantak is situated in Madhya Pradesh in India. Amarkantak is located at 22.67°N 81.75°E. It has an average elevation of 1048 metres (3438 ft). As well as the Narmada, the Son River, initially referred to as Jwalawanti of Johila, the Narmada and the Amadoh, which is a major early tributary of the Godavari, all rise from the Amarkantak plateau.

Who Can Attend

Programme is open to Faculty Members, Research Scholars, PG and UG Students from Universities, Colleges, IITs, IIMs, NITs and IISERs. Industry Personnel working in the concerned/allied discipline may also apply

How to Apply: Interested candidates can apply to Programme Director along with duly filled up registration form on or before 15 August, 2019. The candidates are required to send the form duly forwarded by Head and Dean of the Department and Faculty to the email ID: *nenavath.sreenu@igntu.ac.in* followed by hard copy of the application. Registration form can also be downloaded from the university website www.igntu.ac.in. The duly filled in registration form must be accompanied with category certificate of the applicant and at the time of registration you should submit hard copy along with all enclosures.

Registration Fee: There is no registration fee.

Accommodation & Travel Allowance: Accommodation will be provided to all the outstation participants and will be accommodated in the University Guest House/Hotels/Hostels. Travel allowance by shortest distance (bus or train fare, sleeper or Third AC class only) will be reimbursed to the outstation participants after producing original documents.

Resource Persons: Eminent and accomplished Resource persons from IIMs, IITs, NITs and Central Universities to handle the sessions.

How to Reach: Amarkantak is situated 30 kms in the west of Pendra Road Railway Station (Chattisgarh) on Katni-Bilaspur track of South West Central Railway. Almost all the trains plying on this track stop here. It can be reached by bus from all directions as there are good frequency of buses on Jabalpur, Raipur, Bilaspur, and Allahabad, Rewa, Shahdol, Dindori and Anuppur routes. Amarkantak can be approached by air through Jabalpur (M.P.) in the West and Raipur (Chattisgarh) in the East.

Nearest Airport

1. Jabalpur - Distance 220 KM from Amarkantak.
2. Raipur - Distance 230 KM from Amarkantak.

Nearest Railway Station

1. Pendra Road - Distance 35 KM from Amarkantak
2. Bilaspur- Distance 120 KM from Amarkantak

Venue: Department of Business Management, Indira Gandhi National Tribal University (A Central University) - MP.

Important Dates:

Last date of receipt of registration form: 15 August, 2019
Notification of acceptance: 16 August, 2019
FDP Dates: 26.08.2019 to 06.09.2019

<p><u>Patron</u> Prof. T.V. Kattimani Honorable Vice-Chancellor Indira Gandhi National Tribal University (A Central University)</p>	
<p><u>Chairman</u> Prof Ajay Wagh, Head: Department of Business Management Dean: Faculty of Commerce and Management Indira Gandhi National Tribal University (A Central University), Lalpur, Amarkantak, Anuppur (Dist) Madhya Pradesh -484887,</p>	<p><u>Co-Chairman</u> Prof. Amarendra Pratap Singh Department of Business Management, Indira Gandhi National Tribal University (A Central University), Lalpur, Amarkantak, Anuppur (Dist) Madhya Pradesh -484887</p>

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Registration Form

Name (in block letters): -----
Father/Mother's Name: -----
Status: ----- (Faculty / PhD Scholar/Student)
Category (ST/SC/OBC/Woman/Minority/General): -----
Date of Birth: -----
Subject and Specialization: -----
Educational Qualification: -----
Name of University/Institute/Organisation: -----
Address for Correspondence: -----

Email ID: -----
Phone/Mobile No. -----
Accommodation required (Yes/No): -----
Place:
Date:

Signature of the Participant

Recommendation
(With signature and seal)

(Head of the Department or Supervisor)

(Registrar/Principal/Head)

(Note: For students Head of the Department can forward the registration form and for the faculty registration form have to be forward through proper channel)