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SCOPE OF FDP

Data analytics is an integral part of academics and industrial world. It plays an important role in growth of the business organizations and progress of a nation. In order to carry out research in an effective way, the engineers and researchers need to be trained in data analytics. This program will give participants a comprehensive understanding of planning and conducting scientific experiments for collecting data, and analyzing the data to have fruitful conclusions. The program has been designed to be generic in nature for satisfying the needs of students and faculty pursuing their M. Tech and Ph.D.s from academic institutions and industry personnel carrying out research in any field.

CONTENT OF THE FDP

- Role of data analytics in research
- Data pre-processing techniques
- Descriptive and Inferential statistics
- Probability distributions
- Sampling distributions
- Hypothesis testing
- Analysis of Variance
- Regression
- Logistic regression
- Design of Experiments
- Taguchi method
- Multi-variate analysis
- Factor analysis
- Cluster analysis
- Conjoint analysis
- Hands-on-Sessions.



TEQIP-III SPONSORED

One Week FDP

On

**“Data Analytics for Engineers and
Researchers”**

(August 26-30, 2019)



Organized by

Rajasthan Technical University, Kota

&

**Swami Keshvanand Institute of
Technology, Management & Gramothan,
Jaipur**



Venue

Department of Mechanical Engineering,
Swami Keshvanand Institute of
Technology, Management & Gramothan,
Jaipur – 302017

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ABOUT TEQIEP-III

The Project, Third phase of Technical Education Quality Improvement program (referred to as TEQIP-III) is fully integrated with the twelfth five-year plan objectives for Technical Education as a key Component for a improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category State and Support to Strengthen few affiliated technical universities to improve their policy, academic and management practices.

RTU, KOTA

Rajasthan Technical University (RTU) is located at Kota in the state of Rajasthan. It was established in 2006 by the Government of Rajasthan. The university currently affiliated about 129 engineering colleges, 04 B. Arch, 41 MCA Colleges, 95 MBA Colleges, 44 M. Tech. Colleges and 03 Hotel Management and Catering Institute. The University aims to provide quality technical education which may help Rajasthan in its technical development and will boost technical environment in the country.

ABOUT SKIT

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) is Ranked No. 1 Engineering College in Rajasthan declared by Rajasthan Technical University (RTU), Kota. SKIT is a selective comprehensive institution offering undergraduate and postgraduate programmes in Engineering and Management. The institute was established in the year 2000 by a team of committed professionals and academicians. During all the past years SKIT has emerged as a premier centre of technical education not only in Rajasthan but also in northern India which has been realized through efficient and dedicated faculty members, innovative teaching learning methods, state of the art infrastructures and core

value of discipline. The various undergraduate programmes of the institute are accredited by the National Board of Accreditation (NBA).

DEPARTMENT OF ME

The department started academic activities in the year 2003-04 with the admission of its first batch of under-graduates. The Department offers B.Tech in Mechanical Engg. and M.Tech in Production Engg. and Renewable Energy Technology courses. The department has modern laboratories developed and designed from the perspective of the latest requirements of academia. Consistent pursuit of excellence by the department is clearly reflected in the fact that the department has been accredited by National Board of Accreditation (NBA) (India). The department has developed its facilities in such a way that students can practice self-study and undertake other curricular activities. Special attention is paid for developing positive attitudes, leadership, group working and safety consciousness in the students.

COURSE FEE

- No fee for faculties and PG students from RTU Affiliated Institutes.
- Rs.1000/- for PG students from Non-RTU Affiliated Institutes.
- Rs.1500/- for faculties from Non-RTU Affiliated Institutes.
- Rs.2500/- for participants from Industry.

EXPERTS

The lectures will be delivered by a pool of experts on the subject from reputed institutes like IIT, NIT, BITS Pilani and TERI.

ELIGIBILITY OF PARTICIPANT

The FDP is interdisciplinary and it is open to faculty members engaged in Engineering and Science disciplines; Ph. D. and PG students of Engineering institutes / Science colleges.

REGISTRATION FORM

TEQIP-III Sponsored One Week FDP on
“**Data Analytics for Engineers and Researchers**”
(August 26-30, 2019)

Name: Mr./Ms./Dr.
Designation:.....
Institute Name:.....
.....
Affiliated to RTU: (Yes/No)
Mobile No.:
E-Mail Id:

Seal & Signature of head of the Institute

Note: Submit the Registration Form through online process via:
<https://forms.gle/ZDTEXAZHRHeR3fbR6>

The last date of registration for this FDP is **August 20, 2019**. Seats are limited, so the participants will be selected on first come first served basis.

CONTACT US

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