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RTU (ATU) TEQIP-III COMMITTEE

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REGISTRATION FORM

TEQIP-III Sponsored

One Week FDP on

“Practical Exposure of LaTeX, MatLab Python & Machine Learning”

11th-15th June, 2018

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

Seal & Signature of head of the Institute

Note: Submit the Registration Form through Online
Process via: <https://bit.ly/2kC8TR9>.
Upload the registration form duly Signed by the Head of
the Institution.

REGISTRATION FEE

- ▶ No Fee for Faculties from RTU Affiliated Institutes.
- ▶ **Rs. 3000/-** for Faculties from Non-RTU Affiliated Institutes.

ACCOMMODATION

Lodging & Boarding will be provided for faculty
members on chargeable basis.

CONTACT PERSON

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Mr. Pankaj Dadheech (+91-9887708973)
Mr. Kailash Soni (+91- 9460066186)



TEQIP-III SPONSORED
One Week FDP
ON



“Practical Exposure of LaTeX, MatLab,
Python & Machine Learning”
11th-15th June, 2018



Organized by

Rajasthan Technical University, Kota
&
Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur



Venue:

Department of Information Technology
Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur-302017
Email: teqip.skit@gmail.com
Web: www.skit.ac.in

ABOUT TEQIP-III

The Project, third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelfth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

RAJASTHAN TECHNICAL UNIVERSITY

Rajasthan Technical University (RTU) is located in Kota in the state of Rajasthan. It was established in 2006 by the Government of Rajasthan. The university currently affiliates about 129 Engineering Colleges, 4 B.Arch., 41 MCA Colleges, 95 MBA Colleges, 44 M. Tech. Colleges and 3 Hotel Management and Catering Institutes.

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 INFORMATION TECHNOLOGY

The department of IT offers B. Tech. programme in Information Technology. The major areas of research in the department are Data Analytics, Big Data Cloud Computing & Virtualization, Web Application Security, Image Processing and Bioinformatics. The department has several research labs with the state of art computing facilities. Constantly modernizing of facilities help the department to adapt itself to the rapidly changing technological scenario.

OBJECTIVE OF THE FDP

This programme is design to provide the practical exposure of Latex, MatLab, Python & Machine Learning. The Programme will focus on theoretical aspects and provide hands-on experience to participants so that they become able to train faculty members in their respective institutions. It also enables them to promote industry-institute collaborations by working on the industrial projects and solve the current research problems

CONTENT OF THE FDP

Day 1 Schedule (Python)

1. Setup & Installation, First program, Variables and Types
2. Numbers and Math, Input from users
3. Passing arguments, Functions and Conditional Statements
4. Loops- For and While

Day 2 Schedule (Python)

1. Lists, Tuples
2. Dictionaries, Sets and Strings
3. File Operations, Exception handling
4. Python project

Day 3 Schedule (Matlab)

1. Basics of MATLAB
2. Advanced Data Structure in MATLAB
3. Accessing, analysing, and visualizing data in MATLAB
4. Graphical User Interface in MATLAB
5. Machine Learning Toolbox in MATLAB

Day 4 Schedule (Latex)

1. Introduction to Latex
2. Article using Latex
3. Working with Templates
4. Design of Presentation in Latex

Day 5 Schedule (Machine Learning)

1. Introduction to Machine Learning
2. Deep Learning using Tensor Flow
3. Convolutional Neural Network using Tensor Flow
4. Twitter Sentiment Analysis

FDP SCHEDULE

Day 1 (June 11,2018)

Time	Event
08:30 AM - 09:00 AM	Registration
09:00 AM - 09:30 AM	Inauguration
09:30 AM - 10:00 AM	High Tea
10:00 AM - 11:30 AM	Session 1
11:30 AM - 01:00 PM	Session 2
01:00 PM - 01:45 PM	Lunch
01:45 PM - 03:15 PM	Session 3
03:15 PM - 03:30 PM	Tea Break
03:30 PM - 05:00 PM	Session 4

Day-2,3,4 (June 12, 2018 - June 14, 2018)

Time	Event
09:15 AM - 10:45 AM	Session 1
10:45 AM - 11:00 AM	Tea Break
11:00 AM - 12:30 PM	Session 2
12:30 PM - 01:15 PM	Lunch
01:15 PM - 02:45 PM	Session 3
02:45 PM - 03:00 PM	Tea Break
03:00 PM - 04:30 PM	Session 4

Day-5 (June 15, 2018)

Time	Event
09:00 AM - 10:30 AM	Session 1
10:30 AM - 10:45 AM	Tea Break
10:45 AM - 12:15 PM	Session 2
12:15 PM - 01:00 PM	Lunch
01:00 PM - 02:30 PM	Session 3
02:30 PM - 02:45 PM	Tea Break
02:45 PM - 04:15 PM	Session 4
04:15 PM - 04:30 PM	Valedictory Function

