

Topics to be covered

The five-day offline workshop on “Introduction to Data Analytics using Open-source Software (R/Python): IDOSS 2022” primarily aims to cover the following fundamental topics; Introduction to data analytics, Descriptive statistics, Data visualization (Charts, Maps, Box-plot), Inferential statistics, Data relationship and prediction, Data distributions and analysis, Parametric and non-parametric testing. All the above concepts will be applied using open-source software (R/Python). Our main objectives are to give equal importance to both theory and practical. Every day we will provide hands-on sessions to implement all the theories in the laboratory.

Resource Persons

The course content will be delivered from a pool of resource persons on the subject from leading prestigious academic institutions, including NIT, IIITs, BHU and BIT.

Contact Details

Dr. Partha Sarathi Bishnu (Convener)

Assistant Professor, CSE Department, BIT Lalpur

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Dr. Umesh Prasad (Co-Convener)

Assistant Professor, CSE Department, BIT Lalpur

Email: umesh@bitmesra.ac.in

Dr. Soumitro Chakravarty (Org. Secretary)

Assistant Professor, Mgmt. Department, BIT Lalpur

Email: soumitro@bitmesra.ac.in

About Birla Institute of Technology, Mesra

The Birla Institute of Technology (BIT) Mesra, the second oldest Institute of Technology in independent India was founded in 1955 by the visionary industrialist and philanthropist Mr. B.M. Birla. BIT Mesra is located in Ranchi, the capital of the State of Jharkhand, the mineral hub and abode of the serene beauty of natural forests, mountains, and waterfalls. In more than six decades of its glorious existence, this Institute, recognized by the University Grants Commission (UGC) as a deemed to be a University in 1986 under section 3 of the UGC Act 1956, has emerged as one of the top most self-financed or private Engineering Institution catering to both traditional engineering disciplines and emerging technological domains with firm foundation in fundamental sciences and orientation toward modern innovations and applications.



About BIT Off-Campus Lalpur

BIT Lalpur Campus Ranchi was initially started with part-time courses in 1998. Currently, Master of Business Administration (MBA), Master of Computer Application (MCA), Bachelor of Business Administration (BBA), Bachelor of Computer Application (BCA) programs, and Ph.D. are being offered by the institute.

Five Day Workshop

on

Introduction to Data Analytics using Open-Source Software (R/ Python) - IDOSS 2022

13th to 17th December 2022

organised by



Department of Computer Sc. & Engg
Lalpur Off Campus, Ranchi
Birla Institute of Technology, Mesra

at

Lalpur Off Campus, Lalpur, Ranchi
Jharkhand - 834001

Data Analytics

Data analytics helps to examine datasets to find trends, knowledge, and conclusions about the information they contain. Specialized models and software are applied to implement data analytics. Data analytics techniques are widely used in industries to make correct business/technical/commercial decisions. Scientists and researchers also widely use analytics tools to verify scientific models, theories, and hypotheses.

Program committee

Patron

Prof. Indranil Manna

Vice Chancellor

Birla Institute of Technology Mesra

Chairperson

Prof. Vandana Bhattacharjee

Director (In-Charge)

BIT Mesra, Lalpur Off-Campus Ranchi

Advisory Committee

Dr. Supratim Biswas, HOD, CSE Dept., BIT, Mesra

Dr. Shradha Shivani, HOD, Mgmt. Dept., BIT, Mesra

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Assistant Professor, Mgmt. Department, BIT Lalpur

Organizing Committee Members

Dr. Amrita Priyam, Dr. Srabani Mukhopadhyaya,

Dr. S N Shadeo, Mrs. O Tigga, Dr. B K Sharma

Dr. K Mukherjee, Dr. J Pal, Dr. S. S. Narayana

Dr. S Kumar, Dr. Siba Mitra, Dr. Aparna Shukla

About the Workshop

The BIT Lalpur Off-campus is organizing an offline workshop on Introduction to data analytics using open-source software December 13 - 17, 2022. The workshop aims to equip students/faculty/industry people with the essential tools for extracting knowledge from the dataset. The workshop will comprise lectures and hands-on sessions on the following topics.

- Descriptive and pictorial statistics
- Inferential statistics
- Data mining
- Data relationships
- Parametric and nonparametric tests (ANOVA, χ^2 tests)
- NLP
- Open-source programming (R/ Python)

We will provide both soft and hard copy materials for future study. Only 50 seats are available for the workshop. Participants will be selected based on a first-come, first-serve basis.

Workshop registration Fees

The non-refundable fee for the five-day workshop is Rs. 1000/- (for students UG/PG/Research Scholar), Rs. 2000/- (for faculty/academic), and Rs. 5000/- (for the person from industry). Outstation participants will have to make their own arrangements for transportation and accommodation.

How to Apply?

Interested persons should fill up the online registration form and submit latest by December 11, 2022. Registration Form Link:

<https://forms.gle/zssgcV94MSYVmCcm7>

Payment Link through online SBI, Collect:

<https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=322526>

Workshop Timings

The workshop timings are from 4:30 PM to 8:00 PM (13/12/2022 to 16/12/2022), and 10:00 AM to 4 PM (17/12/2022) at BIT Lalpur - Off Campus, Ranchi, Jharkhand, 834001.

Who can Apply?

All students (UG/PG/Research scholars), faculty, and industry person from any department.

Certification

Participation certificates will be issued by the BIT, Mesra, Lalpur off-Campus, Ranchi.

Important Dates

Last date to Apply: December 09, 2022

For Any Inquiry

Email: workshopbitlalpur@gmail.com



**Five Days Workshop
on
Introduction to Data Analytics
using Open-Source Software
(R/ Python) – IDOSS 2022**

(13th to 17th December 2022)

organised by



**Department of Computer Sc. & Engineering
Lalpur Off Campus, Ranchi, 834001
Birla Institute of Technology, Mesra**

About the Workshop

The BIT Lalpur Off-campus is organizing an offline workshop on Introduction to data analytics using opensource software (IDOSS 2022) December 13 - 17, 2022.

The workshop aims to equip students/faculty/industry people with the essential tools for extracting knowledge from the dataset. The workshop will comprise lectures and hands-on sessions on the following topics.

- Data Science & Data Mining
- Descriptive and pictorial statistics
- Inferential statistics
- Data relationships
- Parametric and nonparametric tests (ANOVA, χ^2 tests)
- Natural Language processing
- Open-source programming (R/ Python)

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Step 1: Pay the fees

Payment Link through online SBI, Collect:

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(Please see last pages for detail payment steps)

Step 2: Fill the registration form

Registration Form Link: <https://forms.gle/zssgcV94MSYVmCcm7>

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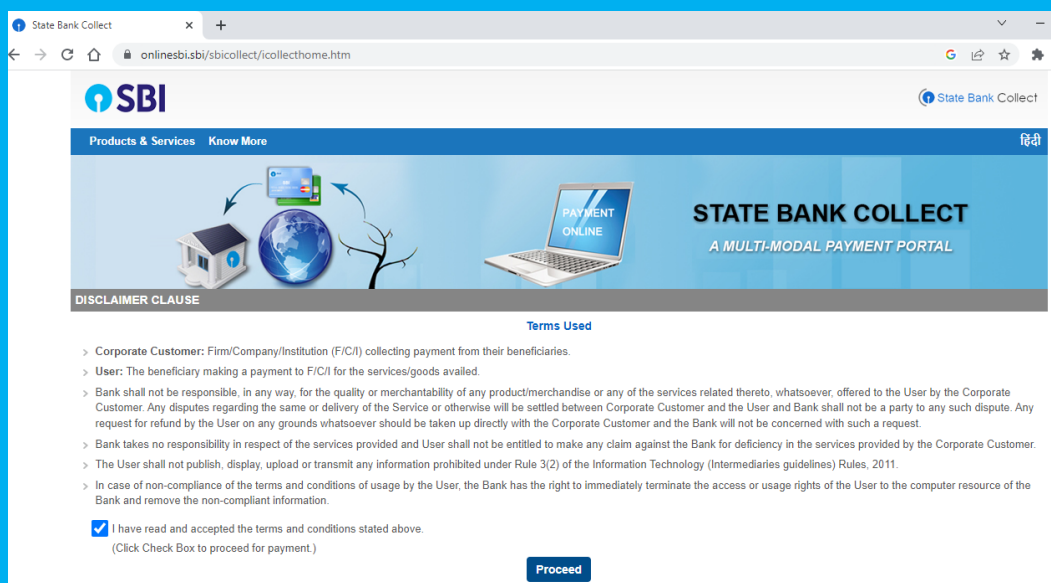
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Detail payment steps

1. Open SBI Collect webpage using the link:
<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>



The screenshot displays the SBI Collect website interface. At the top, there is a navigation bar with the SBI logo and the text "State Bank Collect". Below this, a banner features a globe, a laptop displaying "PAYMENT ONLINE", and the text "STATE BANK COLLECT A MULTI-MODAL PAYMENT PORTAL". A "Disclaimer Clause" section is visible, containing several bullet points regarding the bank's responsibility and user obligations. At the bottom, there is a checkbox labeled "I have read and accepted the terms and conditions stated above." with a "Proceed" button next to it.

Disclaimer Clause

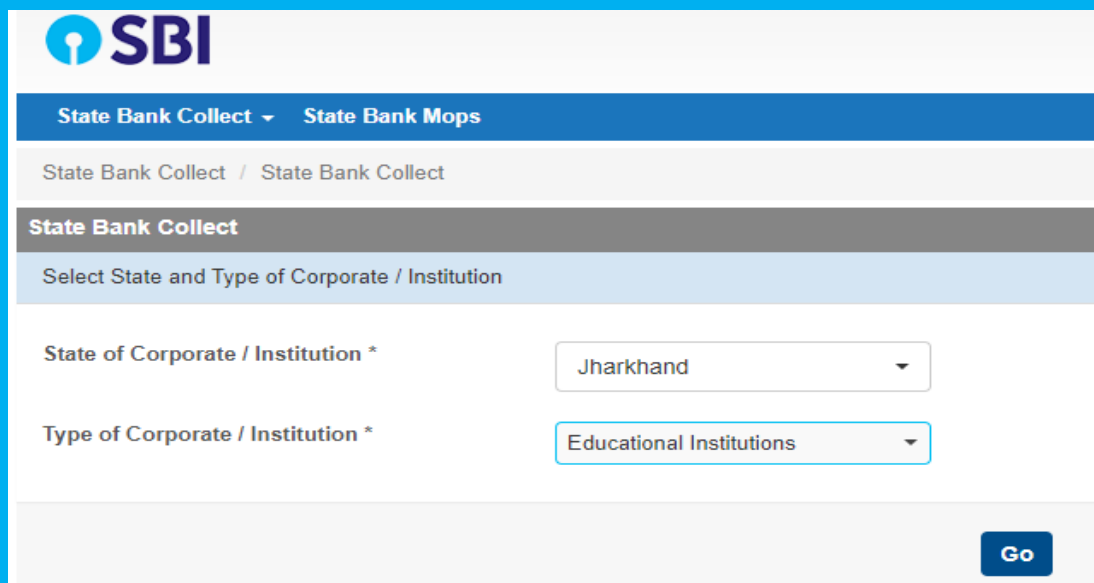
- > Corporate Customer: Firm/Company/Institution (F/C/I) collecting payment from their beneficiaries.
- > User: The beneficiary making a payment to F/C/I for the services/goods availed.
- > Bank shall not be responsible, in any way, for the quality or merchantability of any product/merchandise or any of the services related thereto, whatsoever, offered to the User by the Corporate Customer. Any disputes regarding the same or delivery of the Service or otherwise will be settled between Corporate Customer and the User and Bank shall not be a party to any such dispute. Any request for refund by the User on any grounds whatsoever should be taken up directly with the Corporate Customer and the Bank will not be concerned with such a request.
- > Bank takes no responsibility in respect of the services provided and User shall not be entitled to make any claim against the Bank for deficiency in the services provided by the Corporate Customer.
- > The User shall not publish, display, upload or transmit any information prohibited under Rule 3(2) of the Information Technology (Intermediaries guidelines) Rules, 2011.
- > In case of non-compliance of the terms and conditions of usage by the User, the Bank has the right to immediately terminate the access or usage rights of the User to the computer resource of the Bank and remove the non-compliant information.

I have read and accepted the terms and conditions stated above.
(Click Check Box to proceed for payment.)

Proceed

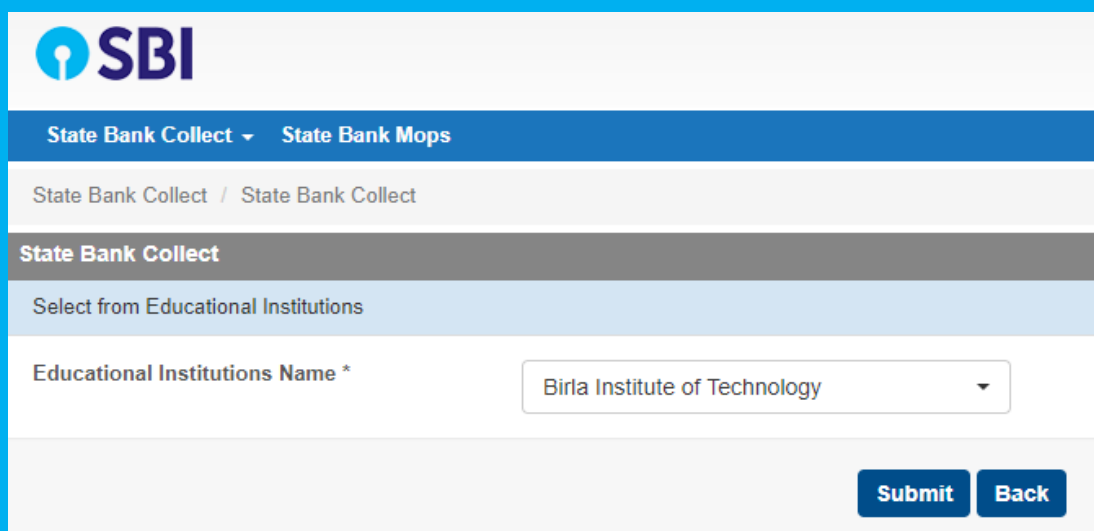
2. Select state: **Jharkhand**

Type of Institution: **Educational Institution**




The screenshot shows the SBI State Bank Collect web interface. At the top left is the SBI logo. Below it is a navigation bar with 'State Bank Collect' and 'State Bank Mops'. A breadcrumb trail shows 'State Bank Collect / State Bank Collect'. The main heading is 'State Bank Collect' followed by the instruction 'Select State and Type of Corporate / Institution'. There are two dropdown menus: 'State of Corporate / Institution *' with 'Jharkhand' selected, and 'Type of Corporate / Institution *' with 'Educational Institutions' selected. A 'Go' button is located at the bottom right.

3. Select Institution Name: **Birla Institute of Technology**



The screenshot shows the SBI State Bank Collect web interface. At the top left is the SBI logo. Below it is a navigation bar with 'State Bank Collect' and 'State Bank Mops'. A breadcrumb trail shows 'State Bank Collect / State Bank Collect'. The main heading is 'State Bank Collect' followed by the instruction 'Select from Educational Institutions'. There is one dropdown menu: 'Educational Institutions Name *' with 'Birla Institute of Technology' selected. 'Submit' and 'Back' buttons are located at the bottom right.


4. Select Payment Category: IDOSS 2022



State Bank Collect ▾ State Bank Mops

State Bank Collect / State Bank Collect

State Bank Collect




Birla Institute of Technology
Mesra , , RANCHI-835215

Provide details of payment

Select Payment Category *


- Mandatory fields are marked with an asterisk (*)
- The payment structure document if available will contain detailed instructions about the online payment process.
- Date specified(if any) should be in the format of 'ddmmyyy'. Eg., 02082008



State Bank Collect ▾ State Bank Mops

State Bank Collect / State Bank Collect

State Bank Collect



Birla Institut
Mesra , , RANCHI

Provide details of payment

Select Payment Category *

- Select Category --
- 88th Annual Conference of the IMS 2022
- BIT Recruitment
- CHEMISTRY 2022
- CHEMISTRY-2022 SPONSER
- Examination Section Fee
- IDOSS-2022**
- Miscellaneous
- Requisite Fee For 1st Semester
- STUDENTS SECTION FEE

-- Select Category --

After payment of the required fees please
fill a google form:

<https://forms.gle/zssgcV94MSYVmCcm7>

Introduction to data analytics using open-source software (R/ Python) IDOSS 2022

Offline workshop 13/12/2022 (Tuesday) to 17/12/2022(Saturday) at BIT Lalpur, Ranchi, Jharkhand, India

 workshopbitlalpur@gmail.com (not shared) [Switch account](#)



* Required

Email id *

Your answer

Name *

Your answer

Gender *

Thank You