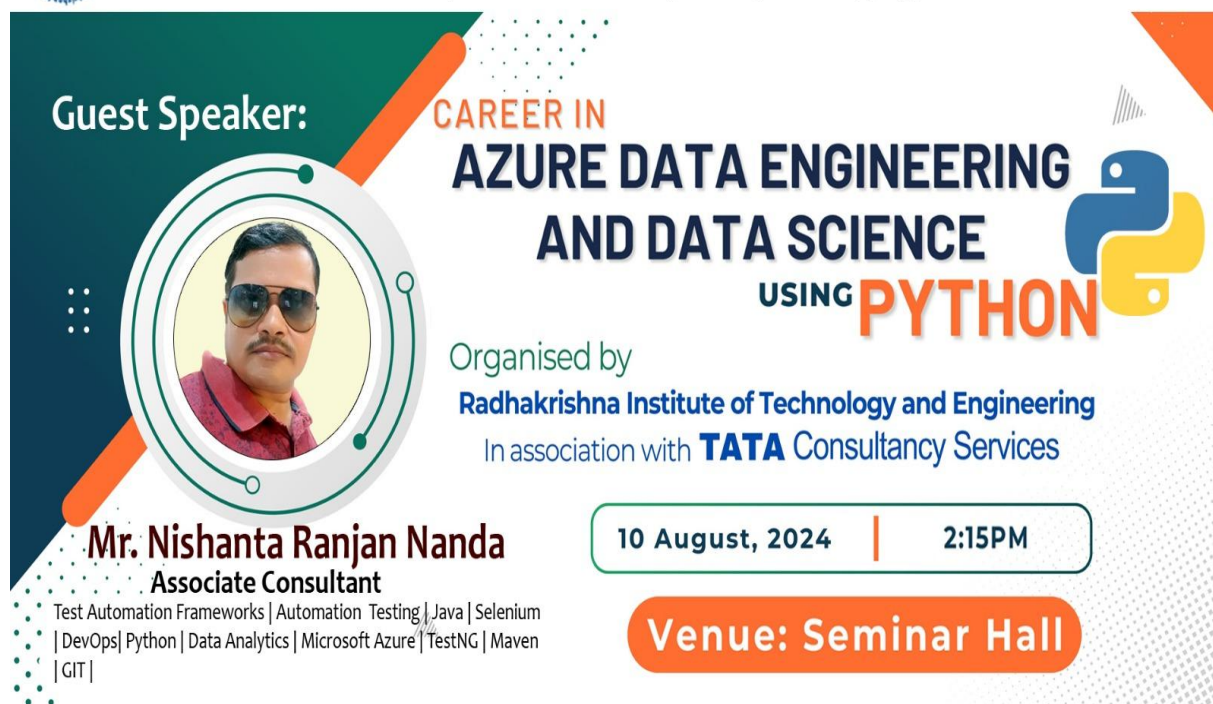


A
REPORT
on the
Invited Talk on
**“Career in Azure Data Engineering
and Data Science using Python”**


*(Organized by the Department of CSE, CoE & MCA in association
with IIC, IQAC & NDLI Club-RITE)*



Radhakrishna Institute of Technology and Engineering
IDCO PLOT NO-1, IDCO Industrial Estate, Barunei, Khordha-752057



Guest Speaker:



**CAREER IN
AZURE DATA ENGINEERING
AND DATA SCIENCE
USING PYTHON**

Organised by
Radhakrishna Institute of Technology and Engineering
In association with **TATA** Consultancy Services

Mr. Nishanta Ranjan Nanda
Associate Consultant

Test Automation Frameworks | Automation Testing | Java | Selenium
| DevOps | Python | Data Analytics | Microsoft Azure | TestNG | Maven
| GIT |

10 August, 2024 | 2:15PM

Venue: Seminar Hall

Date: 10-08-2024

Prepared by:

Prof. Alok Nath (Department of Computer Science & Engineering)
Prof. Anamika Nandan (Department of Computer Science & Engineering)

A Brief Description of one day seminar on “Career in Azure Data Engineering and Data Science using Python”

Date: 10-08-2024

Venue: Seminar Hall, RITE

Organized by: Department of CSE, CoE & MCA in association with IIC, IQAC & NDLI Club-RITE

Keynote Speaker: Mr. Nishanta Ranjan Nanda, Associate Consultant, TCS, Bhubaneswar

Coordinators: Prof. Alok Nath & Prof. Anamika Nandan

Participants: B.Tech, MBA & MCA students

Seminar Agenda:

2:20PM-2:30PM Host welcome and introduction

- Host of the seminar introduced herself and welcomed to all attendees.
- Host invited the Guest Speaker of the seminar, the honorable Principal and the Dean Academics to the dice.

2:30PM-2:45PM Address by the Principal and the Dean Academics

- Honorable Principal Dr. Subash Ranjan Kabat and Dean Academics Dr. Chandrabhanu Malla, addressed the honorable Guest Speaker of the seminar and to all attendees.

2:45PM-4:15PM Guest Speaker interaction

- Honorable guest speaker introduces himself and opens up the room for discussion and presentation.

4:15PM-4:30PM End of the seminar and Vote of Thanks

- At the end of the seminar, Prof. Alok Nath delivered the vote of thanks and honorable Principal and Dean Academics presented the Memento & Uttariya to the Guest Speaker.

Introduction:

In the era of digital transformation, data has emerged as the new oil, driving innovation, decision-making, and strategic growth across industries. Recognizing the growing significance of data-centric roles and cloud technologies in the IT landscape, the Department of Computer

Science and Engineering, Centre of Excellence (CoE), and Department of MCA at Radhakrishna Institute of Technology and Engineering (RITE), Bhubaneswar, organized an invited talk on the topic “Career in Azure Data Engineering and Data Science using Python”.

The event, held on 10th August 2024, was conducted in collaboration with the Institution’s Innovation Council (IIC), Internal Quality Assurance Cell (IQAC), and the NDLI Club-RITE. The primary aim of this session was to provide students with insights into the dynamic career opportunities in cloud-based data engineering and data science, emphasizing the practical applications of Microsoft Azure and Python programming in these fields.

The session featured Mr. Nishant Ranjan Nanda, Associate Consultant at Tata Consultancy Services (TCS), Bhubaneswar, as the resource person. His industry experience and technical expertise offered a valuable perspective to students from B.Tech, MBA, and MCA programs, helping them understand the skills and knowledge required to thrive in the evolving digital ecosystem.

Objective of the Event:

The primary objective of the invited talk was to expose students to the rapidly evolving career opportunities in the fields of Data Engineering and Data Science, with a focus on leveraging Microsoft Azure and Python programming. The session aimed to bridge the gap between academic learning and industry practices, equipping students with the knowledge and direction required to pursue careers in modern data platforms.

Program Summary:

The session commenced with a warm welcome by Prof. Anamika Nandan, who introduced the theme of the talk and the esteemed speaker. She highlighted the importance of data-driven technologies in contemporary industries and how institutions like RITE are actively facilitating industry-academia collaborations. The guest speaker, Mr. Nishant Ranjan Nanda, delivered a comprehensive lecture that covered various aspects of:

- Introduction to Cloud Platforms.
- Overview of cloud computing.
- Microsoft Azure services with a focus on data engineering tools.
- Role of Azure in Data Engineering and Data Science.
- Azure Synapse Analytics, Data Factory, and Azure Data Lake.
- Use cases and real-time data flow architecture.
- Importance of Python.
- Python as a core language in data science pipelines.
- Libraries like Pandas, NumPy, Scikit-learn, and Tensor Flow.
- Career Guidance and Industry Expectations.
- Skills required for aspiring data professionals.
- Microsoft certifications and learning paths.
- Internships and project-based learning.
- Real-World Case Studies.
- Applications in BFSI, Healthcare, and E-commerce.
- End-to-end data flow from ingestion to visualization.

The speaker maintained high engagement with the audience by incorporating practical examples, career anecdotes, and real-time demonstrations of data engineering pipelines on Azure.

Student Participation and Interaction:

The event witnessed enthusiastic participation from a diverse group of students pursuing B.Tech, MBA, and MCA. The interactive session that followed the talk saw many students seeking career advice, clarifying technical doubts, and exploring future learning opportunities. The students expressed a strong interest in exploring cloud-based solutions and data analytics as part of their academic and professional pursuits.

Email Communication

4/15/25, 10:24 AM

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING Mail - Invitation as guest speaker for the Seminar on "Car...



DR.CHANDRABHANU MALLA <chandrabhanu.malla@riteindia.edu.in>

Invitation as guest speaker for the Seminar on "Career in Azure Data Engineering and Data Science with Python"

3 messages

HOD CSE <hod.cse@riteindia.edu.in>

Tue, Aug 6, 2024 at 3:30 PM

To: "nishantaranjan.nanda@tcs.com" <nishantaranjan.nanda@tcs.com>, "DR.CHANDRABHANU MALLA" <chandrabhanu.malla@riteindia.edu.in>, "Prof(Dr) SS Kanungo" <principal@riteindia.edu.in>

Dear Sir,
Greetings of the day!!!

On behalf of the Department of Computer Science and Engineering, Radhakrishna Institute of Technology and Engineering, Bhubaneswar, I would like to cordially invite you as the guest speaker for the scheduled seminar on "Career in Azure Data Engineering and Data Science with Python" on 10.08.2024 at 02:30 PM.

I would be grateful if you took part in the seminar and shared your expertise on the topic with our participants. Your knowledge would be an excellent addition to our programme.

Waiting with anticipation.
Thank you sir.
Alok Nath
HoD
(CSE, CoE, MCA)

Nishanta Ranjan Nanda <nishantaranjan.nanda@tcs.com>

Tue, Aug 6, 2024 at 4:13 PM

To: HOD CSE <hod.cse@riteindia.edu.in>, "DR.CHANDRABHANU MALLA" <chandrabhanu.malla@riteindia.edu.in>, "Prof(Dr) SS Kanungo" <principal@riteindia.edu.in>

TCS Confidential

Thank you So much sir for this opportunity.

I will positively attend the same.

Thanks & Regards,

Nishanta Ranjan Nanda

Solutions Architect - AI Cloud 1.0

Tata Consultancy Services

Email: nishantaranjan.nanda@tcs.com

Cell: +91 7008166807 Extn 7435

<https://mail.google.com/mail/u/1/?ik=8ef174db47&view=pt&search=all&permthid=thread-f:1806631826449074626&simpl=msg-f:1806631826449074626...> 1/2

Invited Talk Notice

Radhakrishna Institute of Technology & Engineering, Bhubaneswar

(BPUT affiliated, AICTE approved & NAAC accredited)



REF. NO. RITE/2023-24/050

DATE: 09.08.2024

NOTICE

It is hereby informed to all B.Tech, MBA & MCA students that the Department of Computer Science & Engineering, Computer Engineering and MCA is going to organize an invited talk on "Career in Azure Data Engineering and Data science with Python" in association with IIC, NDLI & IQAC as per the following schedule. All students are required to attend the above said Seminar without fail. The faculty members are requested to ensure the full attendance of the students along with their presence throughout the Seminar.

Guest Speaker: Mr. Nishanta Ranjan Nanda, Associate Consultant, TCS, Bhubaneswar

Details of the Seminar:

Date: 10th August 2024

Time: 02:15 PM onwards

Venue: Seminar Hall


(Dr. S.R. Kabat)
PRINCIPAL

Copy to:

1. Management Committee (for kind information)
2. Dean Academics/ All HoDs/IQAC/IIC/ All NBs

List of Participants

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING

List of Participants

Date: 10/08/2024 Seminar Topic: *Career in Azure Data Engineering and Data Science with Python*

S/no	Students name	Branch	Semester	Signature
1	Lopamudra Sahoo	CSE	3rd sem	Lopamudra
2	Soumen Pradhan	CSE	3rd	Soumen
3	Rajalini Mohanty	CSE	3rd	R.M
4	Surayana Routa	CSE	3rd	S.R
5	Dharitree Devi	CSE	3rd	D.D
6	Arpita Prusty	CSE	3rd	A.P
7	Vinamaya Pradhan	CSE	5th	V.P
8	Spriha Singh	CSE	5th	S.P
9	Iyoti Upadhyaya	CSE	3rd	I.U
10	Garajini Singh	CE	3rd	G.S
11	Shrutismita Singh	CE	3rd	S.S.S
12	Bijaylaxmi Hazra	CSE	3rd	B.H
13	Ashish Ranjan Sahoo	CSE	5th	A.S
14	Chinmay Mahanta	ME	5th	Chinmay
15	Kshirod Kumar Mahanta	CSE	5th	K.K.M
16	Swayam Behera	CSE	5th	Swayam
17	Rajendra Sankar	CSE	5th	R.S
18	Kuanar Murmu	ME	5th	K.M
19	Topas Kumar Malik	ME	7th	T.K
20	Bibhuti Bhujang Chhotaray	ME	7th	B.B
21	Tanmaya Das	CSE	7th	T.D
22	Pradip Kumar Behera	ME	7th	Pradip
23	Abhishek Maity	ME	7th	A.M
24	Kanwar Kumar Nanda	CSE	8th	K.K.N
25	Pritimayee Panda	CSE	7th	P.P
26	Raemita Khara	CE	7th	R.K
27	Bhagyashree Sedhi	CE	7th	B.S
28	Udit Kumar Routray	CE	7th	U.K

Dr. Ashish
HOD, CSE
 RITE, Khordha

Chit
DEAN ACADEMICS
 Radhakrishna Institute of Technology
 and Engineering, Bhubaneswar


Radhakrishna Institute of Technology & Engineering, Bhubaneswar

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29	Suchismita Behera.	CSE	7th	Suchi
30	Chinmay Sahu	CSE	7th	Chinu
31	Chendrak Sekhar Mallik	CSE	7th	Chondrak
32	Lanmipaya Sahu	CE	5th	Lica
33	Soumi Anurupa Patra	CSE	5th	Soumi
34	Ranjeet Jaiswal	CSE	7th	Ranji
35	Rashmi ranjan Sahoo	CSE	7th	Rashmi
36	Jayashree Mishra	CSE	7th	Jayashree
37	Himansu Jena	ME	7th	Himansu
38	Jagobanshu Karmali	CSE	7th	Jagan
39	Subendrak. Samal	ME	3rd	Sub
40	Siba Prasad Behera	CSE	3rd	Siba
41	Soumya Ransan panda	CSE	3rd	Soumya
42	Samir Kumar Mallik	CE	3rd	Samir
43	Abhishek Nayak	CSE	3rd	Abhishek
44	Damodar Hembram	CE	3rd	Damodar
45	Sacra prakash Behera	CE	2nd	Sacra
46	Om Jay Prakash Naik	CE	2nd	Jay
47	Ashish Pradhan	CSE	2nd	Ashish
48	Satyajit Prakash Biswal	M.E	2nd	Satyajit
49	Aakash Kumar Jena	CSE	2nd	Aakash
50	Amit Kumar Das	M.E	3rd	Amit
51	Diptesh Kumar Rout	CSE	3rd	Diptesh
52	Chinnaya Modali	M.E	3rd	Chinnaya
53	Sambit Saloo	C.S.E.	3rd	S.Sahoo
54	Tarun Kumar Singh	CSE	3rd	Tarun
54	Jaydev Nayak	CSE	3rd	Jaydev
55	Sudhakar Mishra	CSE	3rd	Sudhakar
56	Debasish Panda.	CSE	4th	Debasish
57	Srikanta Behera	CSE	7th	Srikanta
58	Niladri Mahapatra	CSE	7th	Niladri
59	Rahul Das	CSE	7th	Rahul
60	Omkar Aditya Das	CSE	7th	Omkar


HOD, CSE
RITE, Khordha


DEAN ACADEMICS
Radhakrishna Institute of Technology & Engineering

RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING

List of Participants

Date: 10/08/2024 Seminar Topic: *Careers in Azure Data Engineering and Data Science with Python*

Sl No	Faculty Name	Branch	Signature
1	Dr. Subash Ranjan Kabat	EE	<i>[Signature]</i>
2	Dr. Chandrabhanu Malla	ME	<i>[Signature]</i>
3	Priganka Mishra	CSE	<i>[Signature]</i>
4	Swagatika Mohapatra	BSE	<i>[Signature]</i>
5	Gopika Mishra	CSE	<i>[Signature]</i>
6	Bibha B. Mishra	CSE (IT)	<i>[Signature]</i>
7	Alex Nath	CSE	<i>[Signature]</i>
8	Prof. CHANCHAL MUKHERJEE	HOD MBA	<i>[Signature]</i>
9	Prof. Saraswita Pal	CSE	<i>[Signature]</i>
10	Sucharita Nath	CSE	<i>[Signature]</i>
11	Prigdarshini Das	EE	<i>[Signature]</i>
12	Sanyukta Choudhary	CE	<i>[Signature]</i>
13	Sanjay Kumar Nayak	BS&H	<i>[Signature]</i>
14	Narendra Kumar Sarangi	BS&H	<i>[Signature]</i>
15	Dr. Samarendra K. Nayak	BS&H	<i>[Signature]</i>
16	Prigdarshini Das	EE	<i>[Signature]</i>
17	Dr. Sushanta Kumar Pradhan	ME	<i>[Signature]</i>
18	Pooja Das	ME	<i>[Signature]</i>
19			
20			

[Signature]
HOD, CSE
RITE, Khordha

[Signature]
DEAN ACADEMICS
Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

Event Photographs



Radhakrishna Institute of Technology & Engineering, Bhubaneswar

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Appreciation Letter to the Resource Person

Ref. No. : RITE/ 2024-25/ 56

Date: 10/08/2024

To

Mr. Nishanta Ranjan Nanda
Associate Consultant, TCS
Bhubaneswar

Sub: Letter of thanks for delivering a talk on “Career in Azure Data Engineering and Data Science with Python”

Dear Mr. Nanda,

Thank you for accepting our invitation to be the invited speaker in the Seminar on **10th August 2024**. It is our pleasure to place on record the deepest sense of appreciation for your excellent informative presentation on **“Career in Azure Data Engineering and Data Science with Python”**.

Your cooperation, active endeavor, simplicity in delivering a talk were really commendable and of excellent learning value for all the participants. We look forward to your participation in our future events.

We wish you a very successful professional career.

For and on behalf of RITE,


(Dr. Subash Ranjan Kabat)
Principal

Radhakrishna Institute of Technology
and Engineering, Bhubaneswar

CAMPUS : IDCO Plot No. 1, IDCO Industrial Estate, Barunei, Bhubaneswar - 752057, Odisha
CITY OFFICE : Plot No -9, Sec - A, Zone - B, Mancheswar Industrial Estate, Bhubaneswar, Pin - 751010
PHONE : 0674-2585859, FAX : 0674-2587585, EMAIL : riteodisha@gmail.com, WEB : www.riteindia.in

Vote of Thanks

The session concluded with a formal vote of thanks delivered by Prof. Alok Nath, who expressed heartfelt gratitude to Mr. Nishant Ranjan Nanda for sharing his valuable time, knowledge, and experiences. He also extended thanks to the management, organizing faculty, student volunteers, and participating students for their active involvement in making the event a grand success.

Outcome of the Event:

- Enhanced awareness about career opportunities in Azure Data Engineering and Data Science.
 - Students gained practical insights into cloud data tools and industry use cases.
 - Encouraged students to explore certifications and hands-on learning using Python and Azure.
 - Strengthened the link between academic learning and industry requirements.
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