



About R-CAT



Government of Rajasthan is determined to enrich the employability opportunities for the under graduates/graduates/postgraduates of the state, resulting an announcement of **Rajiv Gandhi Centre of Advance Technology (R-CAT)** in the state budget of FY 2021-2022.

R-CAT has been incorporated under Rajasthan Society Registration Act 1958, in the year 2022, managed under the aegis of Department of Information Technology & Communication (DoIT&C), Government of Rajasthan (GoR).

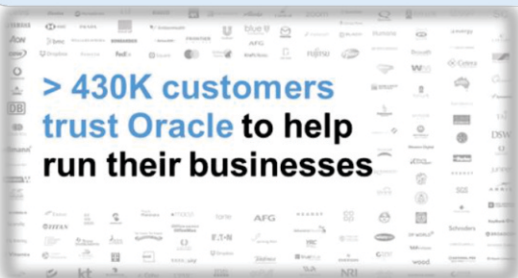
In collaboration with global tech giants like Oracle, VM Ware, SAS, Red Hat etc, R-CAT will conduct training programs on advanced & emerging IT technologies with a duration ranging from one week to six months for professional graduates like BE/B.Tech., BCA, MCA, MBA, and M.Sc. (IT) etc. The targeted technologies would be Artificial Intelligence and Machine Learning (AI-ML), Blockchain, Augmented Reality/ Virtual Reality (AR/VR), Big Data Analytics, Robotics and Quantum Computing.



WORKFORCE DEVELOPMENT PROGRAM

- ❖ **44+ years of helping customers manage the world's most important data**
- ❖ **Rated as a cloud apps leader 46 times**

- ✔ Oracle University's Workforce Development Program (WDP) empowers colleges and universities to up skill students to the cloud.
- ✔ There are over one million certified Oracle Java developers worldwide today.
- ✔ Learning Oracle Cloud skills can advance your career.



ERP	SCM	HCM	CX
27X	3X	2X	14X

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Learning Model

Student Learning Subscription (SLS) + Lab Support + Instructor Support

1. Cloud Infrastructure Architect

- 🔧 **Qualifications required:** Computer Science, MCA, BE Students
- 🔧 **Total Duration:** 52 (Hrs)
- 🔧 **Job Roles:** Cloud Infrastructure Analyst, Cloud Architect, Solutions Architect
- 🔧 **Course Curriculum & Details:**
 - Kick start your journey on Oracle Cloud by getting to know its Architecture and User Management
 - Learn about the Basics of VCN and network security
 - Learn about the concepts of Load Balancer and Traffic Management
 - Know more about the OCI Compute and Storage options
 - Concepts of Autoscaling and OS Management
 - Deep dive into the Databases on Oracle Cloud and their applications.
 - Secure the OCI infrastructure using WAF
 - Monitor infrastructure and Applications using the Observability and Management platform on OCI
- 🔧 **Certification:** Oracle Cloud Infrastructure 2021 Architect Associate (1Z0-1072-21)

3. Business Intelligence for Analyst

- 🔧 **Qualifications required:** Computer Science, MCA, BE Students
- 🔧 **Total Duration:** 67 (Hrs)
- 🔧 **Job Roles:** Business Intelligence Analyst
- 🔧 **Course Curriculum Details:**
 - Explore data through visualizations
 - Create and publish data models using Data Modeler
 - Build analyses in Oracle Analytics Cloud
 - Use views and graphs in analyses
 - Administer objects in the catalog
 - Configure Oracle Analytics Cloud on Mobile
- 🔧 **Certification:** Oracle Cloud Business Intelligence Reporting 2021 Certified Specialist

5. Java Development on Cloud

- 🔧 **Qualifications required:** Computer Science, MCA, BE Students
- 🔧 **Total Duration:** 132(Hrs)
- 🔧 **Job Roles:** Java Developer
- 🔧 **Course Curriculum Details:**
 - Java Fundamentals
 - Implement Java datatypes, conditional constructs, OOP features, and Java on OCI
 - Implement a Capstone Case Study that brings together all you have learned in Java Explorer
 - Learn advanced Java Programming with the Develop Java Applications on Oracle Cloud Learning Path
 - Describe the object-oriented programming approach
 - Explain Java syntax and coding conventions
 - Use Java constructs and operators
 - Use core Java APIs, such as Collections, Streams, IO, and Concurrency
 - Deploy Java SE applications
 - Develop, Test, and Deploy your Java Application on OCI as part of your Final Project
- 🔧 **Certification:** Java SE 11 Developer Certified Professional

ORACLE COURSE DETAILS

2. Machine Learning with Autonomous Database

- 🔧 **Qualifications required:** Computer Science, MCA, BE Students
- 🔧 **Total Duration:** 112 (Hrs)
- 🔧 **Job Roles:** Data Scientist, Machine Learning Engineer
- 🔧 **Course Curriculum Details :**
 - Program with Oracle SQL and PL/SQL
 - Create procedures, functions, packages, and triggers using PL/SQL
 - Introduction to Autonomous Database
 - Describe the components and feature of Oracle Machine Learning (OML)
 - Use OML features with Oracle Autonomous Database
 - Identify Oracle Cloud Services that are compatible with OML
 - Create projects, workspaces, SQL scripts, job schedules, templates, and notebooks in OML
 - Introduction to Machine Learning for Python
 - OML4Py Transparency Layer
 - OML4Py Automated Machine Learning
 - Describe OML use cases
- 🔧 **Certification:** Oracle Machine Learning using Autonomous Database 2021 Certified Specialist

4. Application Development on Cloud

- 🔧 **Qualifications required:** Computer Science, MCA, BE Students
- 🔧 **Total Duration:** 52(Hrs)
- 🔧 **Job Roles:** Cloud Application Developer
- 🔧 **Course Curriculum Details:**
 - Cloud App Development - Benefits and Challenges
 - Oracle PaaS for Application Development
 - Project Management in Visual Builder Studio (VBS)
 - Continuous Integration and Continuous Delivery using VBS
 - Develop and Manage Visual Applications (Web)
 - Create and Build Mobile Applications
 - Get started with Oracle Digital Assistant
- 🔧 **Certification:** Oracle Cloud Visual Builder Studio 2021 Certified Application Specialist

