Emerging Technologies

Microsoft Software Professionals

<u>Curriculum</u>

Program Outline :

Module 1:Fundamentals of Microsoft Technologies

1. **Introduction to Azure**

   o Core principles and architecture of Azure.

   o Key services and use cases of Azure.

   o Best practices for deploying and managing Azure solutions.

2. **Power Platform Basics**

   o Overview of Power Platform and its components.

   o Creating applications, workflows, and analytics with Power Platform.

   o Best practices for using Power Platform in business scenarios.

Module 2: Advanced Microsoft Solutions

3. **Microsoft 365 Management**

   o Managing productivity and collaboration tools with Microsoft 365.

   o Configuring and securing Microsoft 365 environments.

   o Best practices for maximizing productivity with Microsoft 365.

4. **Microsoft Security Practices**

   o Implementing security measures for Microsoft solutions.

   o Best practices for securing Microsoft applications and data.

o   Understanding Microsoft security products and services.

5. **Cloud Solutions with Microsoft**

o   Deploying and managing cloud-based applications with Microsoft technologies.

o   Best practices for cloud security and governance.

o   Understanding Microsoft cloud services and infrastructure.

6. **Advanced Data Management**

o   Handling data with Microsoft SQL Server and other database tools.

o   Best practices for data management and analytics.

o   Exploring advanced data management solutions with Microsoft.

Module 3: Practical Applications

7. **Hands-on Microsoft Projects**

o   Real-world projects to apply Microsoft skills.

o   Designing and implementing Microsoft solutions for various scenarios.

o   Collaborating with peers and mentors to solve complex challenges.

8. **Microsoft Integration**

o   Integrating Microsoft solutions with existing systems and applications.

o   Best practices for Microsoft migration and synchronization.

o   Strategies for maintaining data integrity and consistency.

Module 4: Certification Preparation

9. **Microsoft Certification Exam Preparation**

o   Comprehensive preparation for Microsoft certification exams.

o   Practice exams and review sessions.

o   Exam tips and strategies for success.

10. **Advanced Microsoft Techniques**

o   Deepening knowledge and exploring advanced Microsoft capabilities.

o   Implementing advanced networking, security, and cloud solutions with Microsoft.

Elective Modules

11. **Data Ethics and Privacy**

    o   Ethical considerations, privacy laws, and compliance strategies.

12. **AI for Microsoft Solutions**

    o   Implementing AI solutions in Microsoft environments.

13. **Big Data Solutions with Microsoft**

    o   Managing big data applications with Microsoft technologies.

14. **Microsoft DevOps Practices**

    o   CI/CD pipelines, automation, and containerization with Microsoft.

15. **Microsoft Project Management**

    o   Leading Microsoft projects and ensuring successful delivery.

16. **IoT Integration with Microsoft**

    o   Integrating Microsoft solutions with IoT devices.

Websites:

- https://chools.in/
- https://ramaqchools.com/
- https://www.choolsgroup.com/