Emerging Technologies

Certified Wireless Design Professional (CWDP) Program

<u>Curriculum</u>

Program Outline :

Module 1: Fundamentals of Wireless Design

1. **Introduction to Wireless Design**

   o Core principles, tools, and industry applications.

2. **Requirements Analysis**

   o Identifying and analyzing design requirements.

3. **Basic Site Survey Procedures**

   o Conducting initial site surveys for wireless networks.

4. **Basic WLAN Design**

   o Designing basic wireless LANs.

Module 2: Advanced Wireless Design Techniques

5. **Advanced Site Survey Procedures**

   o Conducting advanced site surveys for wireless networks.

6. **Advanced WLAN Design**

   o Designing advanced wireless LANs.

7. **Design Validation Techniques**

   o Validating design through advanced testing and analysis.

8. **Framework Connections**

o   Integrating wireless design with existing frameworks.

Module 3: Practical Applications

9. **Practical Wireless Design Projects**

   o   Developing and implementing wireless design projects.

10. **Operation and Maintenance**

    o   Operating and maintaining wireless networks.

11. **Oversight and Governance**

    o   Managing and overseeing network governance.

12. **Business Intelligence Applications**

    o   Using data for wireless design decision making.

Module 4: Capstone Project

13. **Integration of Learned Skills**

    o   Apply tools and techniques to real-world wireless design problems.

14. **Advanced Wireless Design Systems**

    o   Developing complex wireless design systems.

15. **Cloud Wireless Design Management**

    o   Securing and managing wireless networks in cloud environments.

16. **AI for Wireless Design**

    o   Implementing AI solutions in wireless design.

Elective Modules

17. **Data Ethics and Privacy**

    o   Ethical considerations, privacy laws, compliance strategies.

18. **Predictive Analytics with Wireless Design Management**

    o   Building and validating predictive models.

19. **AI for Wireless Design Management**

    o   Implementing AI solutions in wireless design.

20. **Advanced Data Warehousing Techniques**

   o Optimizing data warehousing solutions.

21. **Data-Driven Wireless Design Decision Making**

   o Using data to inform and drive wireless design strategies.

22. **Cloud Wireless Design Solutions**

   o Deploying wireless design management systems on cloud platforms.

23. **Wireless Design Project Management**

   o Leading wireless design projects, ensuring successful delivery.

24. **Big Data Security**

   o Securing data in big data environments.

25. **IoT Wireless Design**

   o Securing and managing IoT devices and wireless networks.

Websites:

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