Wireless WPA-Enterprise Authentication Assignment

Assignment Name: Wireless Authentication
Duration : 2 weeks (Starting from August 12th , 2021 To 26th August)
Operation system: Ubuntu

Note: Completed assignments should be submitted via http://school.wso2.com.
Assignment answer file must be named as Wireless_Authentication.pdf

Create the document that includes steps that you followed to answer each
question , Ultimately someone else should be able to refer your answers as guide to
provide solutions to below questions / use cases

Objectives:
Your main objective is to understand the core concepts of wireless enterprise authentication and

enhance the security of the password authentication with multi factor authentication.

Please refer to the following guidelines:

- You should come up with a solution to enhance the security of the enterprise wireless
  authentication network by configuring the password authentication with multi factor
  authentication.
- You can use the same network setup that I have demonstrated during the course.
- Preferred to use any virtual environment (GCP or VirtualBox) to install your servers with
  Ubuntu or debian based OS.
- Not required to configure 802.1x authentication and you can use the 'radtest' tool to test
  the MFA.
- You should be required to prepare a small document (less than 5 pages) with the
  following details.
    - Proposed solution and how you planned it to achieve it.
    - Include simple network diagram,
    - Challenges during the solution implementation.
    - How you overcome challenges.
    - What you learned about this course.
    - Include screenshots of major steps (Not required all steps)
    - Attach the all radius configurations you edited during the implementation (no
      page limit).