

**CLOUD APPLICATION DEVELOPMENT**

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**B3 Hons**

**SUBMITTED TO : HARVINDER SIR**

**WEEK-10**

On a public cloud platform like AWS, you may implement the following steps to install a mental health monitoring application that tracks stress levels and warns close friends when you're feeling down:

* Select an AWS service: There are a variety of AWS services available, including EC2, Elastic Beanstalk, and Lambda. You must decide which service best meets the demands and specifications of your application.
* Open an AWS account. If you don't already have one, do so so that you may log in to the AWS Management Console.
* Start an EC2 instance: EC2 is a cloud computing service that offers scalable computational power. You can launch an EC2 instance by selecting the Amazon Machine Image (AMI) that fits your needs, choosing the instance type, and configuring the instance details.
* Install required: After the EC2 instance has been started, you may connect to it using an RDP client and install the Python and Flask required for your Mental Health Monitoring Application.
* Set Up Security: Configure security features to safeguard your Mental Health Monitoring Application and its data, such as SSL certificates and security groups.
* Deploy the Application: Your Mental Health Monitoring Application may be deployed on the EC2 instance when the dependencies have been installed and security has been set up. To do this, the application server must be started, the required environment variables must be set, and the application code copied to the EC2 instance.
* Test and Monitor the Application: After the application has been deployed, give it a complete test run to make sure everything is operating as it should. Set up logging and monitoring to keep tabs on the operation of the programme and spot any potential problems.
* Include a function that warns close friends when the user is feeling down once the programme has been properly tested. This may be achieved by incorporating an SMS or email API that, when activated, sends a notification to the user's chosen friends.

In summary, in order to create a mental health monitoring application on AWS, you must choose an AWS service, register for an AWS account, start an EC2 instance, install any necessary dependencies, set up security, deploy the application, test it, and monitor it. You also need to add the feature that alerts close friends.