

CENTRE OF EXCELLENCE---



**Honeywell**



- **Vision of Institute**

To be an outstanding institution in the country imparting technical education, providing need-based, value-based and career-based programs, and producing self-reliant, self-sufficient technocrats capable of meeting new challenges.

- **Mission of Institute**

The mission of the institute is to educate young aspirants in various technical fields to fulfill The global requirement of human resources by providing sustainable quality education, training, and an invigorating environment besides molding them into skilled competent and socially responsible citizens who will lead the building of a powerful nation.



| <b>S. No.</b> | <b>INDEX</b>                                       |
|---------------|--|
| 1.            | About the COE                                      |
| 2.            | Objectives   |
| 3.            | Advisory board members/active member details       |
| 4.            | Coordinator details                                |
| 5.            | MOU details  |
| 6.            | List of experiments/contents delivered to students |
| 7.            | ROADMAP  |
| 8.            | Outcome  |
| 9.            | COE Photos   |



The COE will undertake the following:

- Training 50 of your students on one Advanced technology relevant to Industry 4.0
- Offer a Joint Certification for all students on successful completion of training
- Organize Youth Empowerment Summit and Students Hackathons
- Facilitate Industry Expert sessions, Mentoring & Career Counseling sessions
- Faculty Empowerment program to 2 nominated Women mentors
- Placement facilitation to all eligible students

The following is the support we request from your esteemed institution for the success of the COE.

- Branding of the COE through a name board (Template will be shared by ICT Academy) in front of the computer Lab and a board near the main gate with good visibility for the COE.
- 2 Standees (Template will be shared by ICT Academy) needs to be printed to have it on both sides of the Stage during the Inaugural.
- Photographs of the inaugural with Dignitaries on the Stage, Mentors with the COE Board and the Standees, and Group Photographs of Students along with the Principal, SPOC, and Mentors in front of the COE Board need to be organized. ICT Academy will be posting the same on all its social media handles for branding purposes.
- Motivating and guiding all 2 Faculty Mentors and 50 nominated students to attend the training and attend all the above-mentioned training activities under the COE.



## Objective

- The Honeywell CSR initiative on the "AWS Certified Cloud Practitioner (CLF-C01)" a Youth Empowerment Program.
- Provide Skill Enhancement as per industry requirements.



## Advisory board members/active member details:

| S.N<br>O | NAME                      | DEPARTMEN<br>T                           | CERTIFICATION   |
|----------|---------------------------|--|---|
| 1        | Dr. Sanjay<br>Kumar Singh | Director<br>Campus,<br>MIET<br>Meerut.   | -   |
| 2        | Mr. Punit Mittal          | SPOC<br>Honeywell<br>MIET Meerut         | Honeywell "AWS Certified<br>Cloud Practitioner (CLF-C01)" |
| 3        | Mr. Shailendra<br>Singh   | Placement<br>Coordinator,<br>MIET Meerut | -   |



| S.NO | NAME        | DEPARTMENT                    | CERTIFICATION                   |
|------|-------------|-------------------------------|---------------------------------|
| 1    | Mr. Jagbeer | SPOC Honeywell<br>MIET Meerut | AWS level 1 & level 2 certified |



## Memorandum of Understanding

A CSR initiative sponsored by

**Honeywell**

Implemented by

  
**ICTACADEMY™**

### **CERTIFICATE OF MEMBERSHIP**

This is to certify that

**MEERUT INSTITUTE OF ENGINEERING AND TECHNOLOGY  
UTTAR PRADESH**

has been recognized as

**Center of Excellence for Youth Empowerment**

to train youth students on **Advanced IT Skills**

under **Honeywell Student Empowerment Program.**

Host Institution

**MIET**

141825 | 03 October 2023



Authorized Signatory  
Honeywell



Hari Balachandran  
CEO, ICT Academy

Valid till: 31 March 2024





## List of Equipment

### Hardware Requirements

|            | Minimum  | Recommended              |
|------------|--|--------------------------|
| CPU Cores  | 2 × 1.8 GHz 64-bit (x64)   | 4 × 2.4 GHz 64-bit (x64) |
| RAM        | 4 GB of usable system memory   | 8 GB                     |
| Disk Space | 3.5 GB for new installations, 5 GB for upgrades (including temporary files required during installation) | N/A                      |



## List of Equipment

### Software Requirements

- **Operating System:** 8.1 or greater
- **NET Framework:** Version 4.6.1 or greater
- **Web browser:** Microsoft Edge 78 or greater with Internet Explorer (IE) mode, Google Chrome version 64 or greater
- **Microsoft Office:** Office 2013 or greater version
- **File System:** NTFS



| Honeywell - Women/Youth Empowerment Program                           |                                    |  |                |                       |        |                   |
|---|------------------------------------|--|----------------|-----------------------|--------|-------------------|
| 800 Certified Cloud Practitioner (CCP) (300) - lower plan - 100 hours |                                    |  |                |                       |        |                   |
| Trainer Name:   |                                    |  |                |                       |        | Start Date:       |
| Instructor Name:  |                                    |  |                |                       |        | Start Date:       |
| Chapter   | Topic                              | Subtopic   | Methodology    | Session Duration (HR) | Rate   | Trainer Signature |
| <b>Stage 1</b>  |                                    |  |                |                       |        |                   |
| Cloud Concepts Overview   | Cloud Concepts Overview            | Introduction to cloud computing  | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Advantages of cloud computing  | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Introduction to Amazon Web Services (AWS)                                | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Overview of the AWS Cloud - The AWS Cloud Adoption Framework (CAF) - C2S | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
| <b>Session</b>  |                                    |  |                |                       |        |                   |
| Cloud Economics and Billing   | Cloud Economics and Billing        | Fundamentals of pricing  | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Total Cost of Ownership  | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Billing  | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Technical support  | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
| <b>Session</b>  |                                    |  |                |                       |        |                   |
| AWS Cloud Infrastructure Overview                                     | AWS Global Infrastructure Overview | AWS Global Infrastructure  | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | AWS services and services longevity overview                             | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
| <b>Session</b>  |                                    |  |                |                       |        |                   |
| AWS Cloud Security  | AWS Cloud Security                 | AWS shared responsibility model  | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | AWS Identity and Access Management (IAM)                                 | Discussion/Lab | 3.00                  | 214.75 | [Signature]       |
|   |                                    | Securing a new AWS account   | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Securing accounts  | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Securing data on AWS   | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Working to ensure compliance   | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
| <b>Session</b>  |                                    |  |                |                       |        |                   |
| <b>Questions/Short-answer Assessment</b>                              |                                    |  |                |                       |        |                   |
| <b>Stage 2</b>  |                                    |  |                |                       |        |                   |
| Networking and Network Defects  | Networking and Network Defects     | Understanding IPv4   | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | Amazon VPC   | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | VPC networking   | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|   |                                    | VPC security   | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
| <b>Session</b>  |                                    |  |                |                       |        |                   |

| Chapter                                  | Topic                                   | Subtopic  | Methodology    | Session Duration (HR) | Rate   | Trainer Signature |
|--|---|---|----------------|-----------------------|--------|-------------------|
| Storage                                  | Storage                                 | Amazon S3                                       | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon S3 Glacier                               | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon S3 Intelligent Tiering                   | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon S3 Select                                | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon S3 Outposts                              | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon S3 Storage Gateway                       | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon S3 File System                           | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon S3 Data Sync                             | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon S3 Transfer Acceleration                 | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon S3 Storage Lens                          | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
| <b>Session</b>                           |   |   |                |                       |        |                   |
| <b>Questions/Short-answer Assessment</b> |   |   |                |                       |        |                   |
| <b>Stage 3</b>                           |   |   |                |                       |        |                   |
| Database                                 | Database                                | Amazon Relational Database Service (Amazon RDS) | Discussion/Lab | 3.00                  | 214.75 | [Signature]       |
|  |   | Amazon Aurora                                   | Discussion/Lab | 2.00                  | 214.75 | [Signature]       |
|  |   | Amazon Redshift                                 | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon DynamoDB                                 | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
| <b>Session</b>                           |   |   |                |                       |        |                   |
| Cloud Architecture                       | Cloud Architecture                      | AWS Well-Architected Framework                  | Discussion/Lab | 2.00                  | 214.75 | [Signature]       |
|  |   | Security and availability                       | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
| <b>Session</b>                           |   |   |                |                       |        |                   |
| Networking, Scaling and Network Defects  | Networking, Scaling and Network Defects | Amazon ElastiCache                              | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
|  |   | Amazon ElastiCache for Redis                    | Discussion/Lab | 1.00                  | 214.75 | [Signature]       |
| <b>Session</b>                           |   |   |                |                       |        |                   |
| <b>Questions/Short-answer Assessment</b> |   |   |                |                       |        |                   |

| Chapter        | Topic       | Subtopic | Methodology | Session Duration (HR) | Rate   | Trainer Signature |
|----------------|-------------|----------|-------------|-----------------------|--------|-------------------|
| <b>Session</b> |             |          |             |                       |        |                   |
| <b>Stage 4</b> |             |          |             |                       |        |                   |
| Network - 1    | Network - 1 |          |             | 1.00                  | 214.75 | [Signature]       |
|                |             |          |             | 1.00                  | 214.75 | [Signature]       |
| Network - 1    | Network - 1 |          |             | 2.00                  | 214.75 | [Signature]       |
|                |             |          |             | 1.00                  | 214.75 | [Signature]       |
| Network - 2    | Network - 2 |          |             | 1.00                  | 214.75 | [Signature]       |
|                |             |          |             | 1.00                  | 214.75 | [Signature]       |
| Network - 2    | Network - 2 |          |             | 1.00                  | 214.75 | [Signature]       |
|                |             |          |             | 1.00                  | 214.75 | [Signature]       |
| Network - 3    | Network - 3 |          |             | 1.00                  | 214.75 | [Signature]       |
|                |             |          |             | 1.00                  | 214.75 | [Signature]       |

Signature of the Trainer  
[Signature]

Signature of the AWS Program Coordinator  
[Signature]



- After completing the Honeywell training program for skill enhancement students gets "AWS Certified Cloud Practitioner (CLF-C01)"
- Students placed in cognizant, centilytics companies.



Thank You

