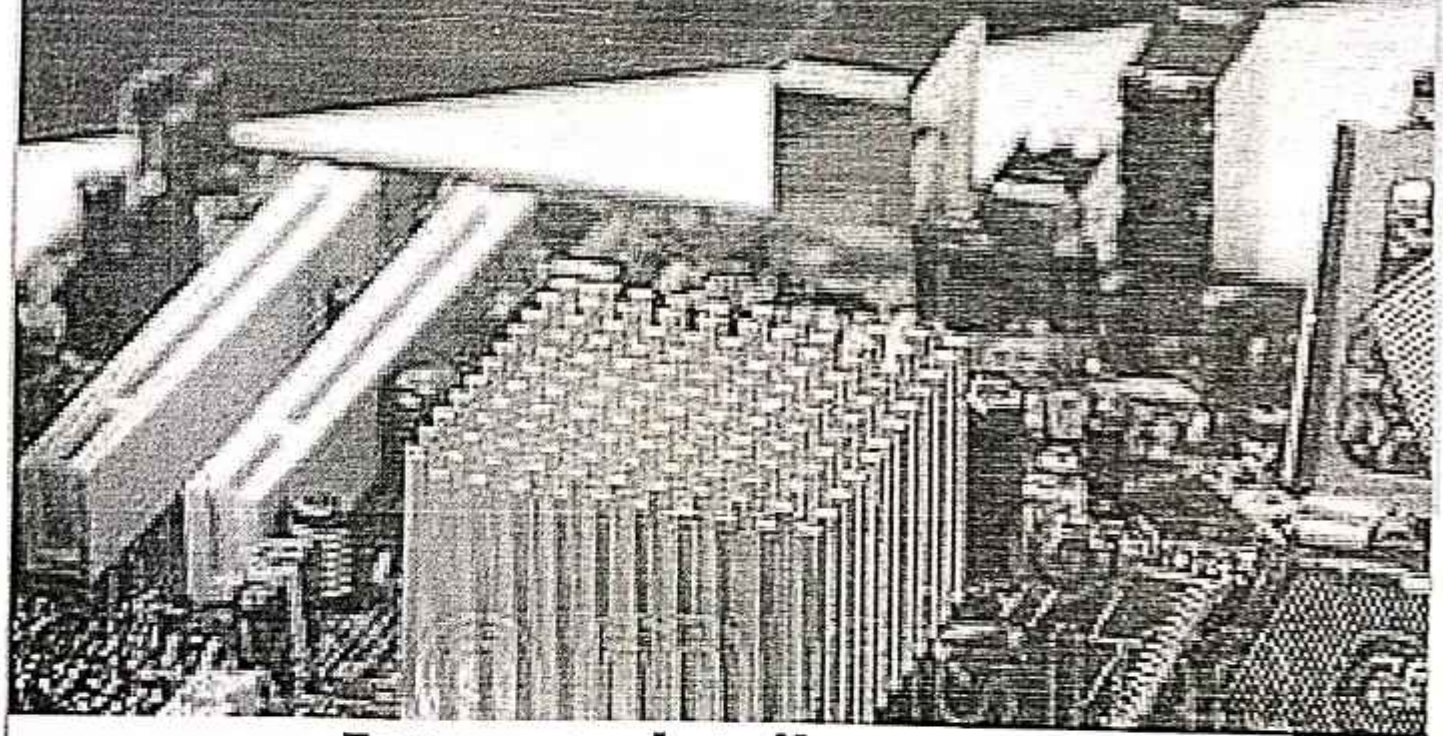
Anjuman-I-Islam's

# AKBAR PEERBHOY COLLEGE OF COMMERCE AND ECONOMICS

M. S. Ali Road, Do Taaki, Mumbai-8

# Learn Hardware & Basic Networking

## Course Fees: 1650/- only



**For more detail contact:**

**Mr. Altaf 8655579441 Mr. Numan 9833379090**

Anjuman-i-Islam's

# Akbar Peerbhoy College of Commerce and Economics

*(NAAC Accredited College)*

M. S. Ali Road, Two Tank Grant(E), Mumbai - 08

## Certificate Course in Hardware and Basic Networking

**Course Objective:** course provides foundational understanding of hardware components, how to assemble a desktop computer. The Course will help you to learn about basic network addressing, network device connections and configuration.

**Course Outcome:** On completion you will get **"Certificate in Hardware and Basic Networking".** This certificate will help you in finding placement as Network engineer. Also you will be able to start your own hardware and Networking Company.

***Eligibility Criteria*: -** Minimum SSC ($10^{th}$) passed or appearing.

**(This batch is exclusively for registered students of Akbar Peerbhoy College)**

**Last Date** of Submitting Admission forms: **$20^{th}$ November 2021.**

**Click here for Online Registration: https://forms.gle/EhL3DEqmXVq8YjXXA**

New Batch Starting From: **$25^{th}$ November 2021.**

**Course Duration** – 3 Months *($25^{th}$ November 2021 – $24^{th}$ February 2022)*

**Limited seat,** Admission on **First Come First Serve Basis**

**Course Fees: ₹ 1650/- only**

**Experienced Faculty in field of Hardware for past 15 years.**

**For more information contact:**

| | | |
|---|---|---|
| Prof. (Dr.) Abdul Sadique | *(Program Coordinator)* | **- 90228 14705** |
| Prof. Ahtesham Shaikh | *(Program Coordinator)* | |
| Mr. Altaf Chougule | *(Course Mentor)* | **- 86555 79441** |
| Mr. Feroz Patel | *(Course Mentor)* | |
| Mr. Noman Shaikh | *(Course Mentor)* | |

## Course Contents:-

The course spans over 4 weeks of extensive hands-on Project work under the guidance of the instructors by Maintaining Project Dairy on daily practical assignments completed using actual Hardware components.

### Module 1:– Computer and Hardware Fundamentals

- Θ Computer Fundamentals.
- Θ Basics of computer hardware.
- Θ Booting process, BIOS.
- Θ Different Types of Cache, Buses, Motherboards, Processors, RAM, ROM etc.
- Θ Different Types of Expansion Slots, Expansion Cards.

### Module 2:– Assembling of Desktop Computer

- Θ Assembling of Motherboards, Floppy & CD drives Hard disk on Latest Cabinets & Motherboards.
- Θ Total Assembling Of Computer
- Θ Usage of Multimeter, Voltages In SMPS, Beep Codes.
- Θ Jumper Settings, Master & Slave Settings, BIOS Settings.

### Module 3:- OS Installation

- Θ Hard disk Partition, formatting HD.
- Θ Windows Partition through Text & Graphical Mode.
- Θ Windows 7 / 10 Installation
- Θ Drivers Installation, Application Software Installation.
- Θ Virus, Antivirus Software & Removing Viruses.

### Module 4:– Networking

- Θ Basics of Networking, Types of Network Devices Hub, Cable, Connectors, LAN Cards etc.
- Θ Peer-to-Peer Networking Through Windows.
- Θ Software Proxy.
- Θ Local Area Network (LAN) Setup
- Θ Cabling Using CAT 5 Cable, Crimping tool Usage.

-*-*-*-

Form No. 01

Anjuman-i-Islam's

**Akbar Peerbhoy College of Commerce and Economics**

NAAC ACCREDITED COLLEGE

Maulana Shaukatali Road, Do Taki, Mumbai - 400 008.

Tel. No. 23074122 / 2308 3405, Web Site: www.apcollege.org

## ADMISSION FORM FOR

## HARDWARE & NETWORKING COURSE

## BATCH DEC-2021 TO FEBRUARY-2022

At the desire of my parent/guardian, I seek admission in **HARDWARE & NETWORKING COURSE** in your college.

**FULL NAME OF THE STUDENT:**

(Use one square for each alphabet (IN CAPITAL LETTERS)

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surname: | A | N | S | A | R | I | | | | | | | | | | |
| Name: | S | H | A | M | O | U | E | L | | | | | | | | |
| Father's Name: | A | B | D | U | L | | A | Z | I | Z | | | | | | |
| Mother's Name: | S | H | A | M | I | M | | | | | | | | | | |

**RESIDENTIAL ADDRESS:** Room No 95, MADANPURA, BYCULLA WEST, MUMBAI 400-008.

Pin 400-008 Tel 9152406521 C/o Tel. 9969113072

Date of Birth:

| 0 | 4 | 0 | 4 | 0 | 3 |
|---|---|---|---|---|---|
| Day | | Month | | Year | |

Age: 18 Years

Place of Birth: MUMBAI

Nationality: INDIAN Religion: MUSLIM Caste: _____ Class: OPEN (Open/SC/ST/OBC)

E-Mail ID: ansarishamouel03@gmail.com

Aadhaar No.:

| 6 | 4 | 6 | 7 | 5 | 3 | 1 | 5 | 3 | 3 | 0 | 7 |
|---|---|---|---|---|---|---|---|---|---|---|---|

Signature: A.shamouel

Form No. 02

*Anjuman-i-Islam's*

**Akbar Peerbhoy College of Commerce and Economics**

NAAC ACCREDITED COLLEGE

Maulana Shaukatali Road, Do Taki, Mumbai - 400 008.

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## ADMISSION FORM FOR

## HARDWARE & NETWORKING COURSE

## BATCH DEC-2021 TO FEBRUARY-2022

At the desire of my parent/guardian, I seek admission in **HARDWARE & NETWORKING COURSE** in your college.

**FULL NAME OF THE STUDENT:**

(Use one square for each alphabet (IN CAPITAL LETTERS)

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surname: | S | I | D | D | I | Q | U | E | | | | | | | | |
| Name: | A | B | D | U | L | L | A | H | | | | | | | | |
| Father's Name: | S | H | A | M | S | H | A | D | | | | | | | | |
| Mother's Name: | R | A | Z | I | A | | | | | | | | | | | |

**RESIDENTIAL ADDRESS:** Nawab chawl Jairaj Bhai Lane Mumbai 400008. Parag Road.

Pin 400008 Tel 9833517296 C/o Tel. _____

Date of Birth: 04 (Day) | 11 (Month) | 99 (Year)

Age: 21 Years

Place of Birth: MUMBAI

Nationality: INDIAN Religion: MUSLIM Caste: OPEN Class: TY IT

(Open/SC/ST/OBC)

E-Mail ID: Siddique abdullah 099@gmail.com.

Aadhaar No.: | | | | | | | | | | | | |

Signature: Abdullah.

Form No. 03

Anjuman-i-Islam's

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Tel. No. 23074122 / 2308 3405, Web Site: www.apcollege.org

## ADMISSION FORM FOR

## HARDWARE & NETWORKING COURSE

## BATCH DEC-2021 TO FEBRUARY-2022

At the desire of my parent/guardian, I seek admission in **HARDWARE & NETWORKING COURSE** in your college.

**FULL NAME OF THE STUDENT:**

(Use one square for each alphabet (IN CAPITAL LETTERS)

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surname: | A | N | S | A | R | I | | | | | | | | | | |
| Name: | Z | I | D | A | N | | | | | | | | | | | |
| Father's Name: | I | R | F | A | N | | | | | | | | | | | |
| Mother's Name: | S | H | A | Z | I | Y | A | | | | | | | | | |

RESIDENTIAL ADDRESS: JAIRAJ BHAT LANE, NAWAB CHAWL, CHAWL No.3, ROOM NO, 32, R.S NIMKAR MARG.

Pin 400008 Tel 7304725733 C/o Tel. 9892851156

| Date of Birth: | Day | Month | Year | Age: | Place of Birth: |
|---|---|---|---|---|---|
| | 30 | 05 | 03 | 18 Years | MUMBAI |

Nationality: INDIAN Religion: ISLAM Caste: OPEN Class: F.Y.B.M.S

(Open/SC/ST/OBC)

E-Mail ID: ZidanAnsari786@Gmail.com

Aadhaar No.: 3 6 8 9 8 2 3 6 3 4 5 8

Signature:

Form No. 04

Anjuman-i-Islam's

**Akbar Peerbhoy College of Commerce and Economics**

NAAC ACCREDITED COLLEGE

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Tel. No. 23074122 / 2308 3405, Web Site: www.apcollege.org

## ADMISSION FORM FOR

## HARDWARE & NETWORKING COURSE

## BATCH DEC-2021 TO FEBRUARY-2022

At the desire of my parent/guardian, I seek admission in **HARDWARE & NETWORKING COURSE** in your college.

**FULL NAME OF THE STUDENT:**

(Use one square for each alphabet (IN CAPITAL LETTERS)

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surname: | A | N | S | A | R | I | | | | | | | | | | |
| Name: | A | T | I | F | | | | | | | | | | | | |
| Father's Name: | T | A | U | H | E | E | D | A | H | M | E | D | | | | |
| Mother's Name: | F | A | T | I | M | A | | | | | | | | | | |

**RESIDENTIAL ADDRESS:** Kadipora Haji Kasam chawl no 19 Room no 16 Nagpada, Duncan Road

Pin 400008 Tel 8355854899 C/o Tel.

Date of Birth: 26 | 11 | 01 (Day | Month | Year) Age: 20 Years Place of Birth: MUMBAI

Nationality: INDIA Religion: MUSLIM Caste: OPEN Class: ~~OPEN~~ (EXIT)

(Open/SC/ST/OBC)

E-Mail ID: atifansari667@gmail.com

Aadhaar No.:

Signature:

# Introduction

## Hardware and Networking

**What is a Computer?**

A Computer is an electronic device with information to store a "data". The word computer has come from a French word "to Compute", which means to calculate. It has the ability to store, retrieve, and process data. You can use a computer for executing basic office work like typing documents, send email, and surf the internet. You can also use it to handle spreadsheets, accounting, database management, presentations, games, and many more.

Every computer consists of two basic parts – hardware and software:

(1) **Hardware:** Is physical entity of your computer which means anything that has a physical structure and which can be touched such as the computer monitor, keyboard etc. It is also known as heart of the computer.

(2) **Software:** Is any set of instructions that tells the hardware what to do and also how to accomplish each task. It can be called as the brain of the computer.

### Electronic Numerical Integrator and Computer (ENIAC)

ENIAC's design and construction was financed by the United States Army, Ordnance Corps, Research and Development Command, led by Major General Gladeon M. Barnes.
The work on the computer began in secret at the University of Pennsylvania's Moore School of Electrical Engineering under the code name **"Project PX"**, with John Grist Brainerd as principal investigator.
The total cost was about $ 4,87,000, which equates to $ 68,16,000 (approx. 44 Crores) in 2017.

The construction contract was signed on June 5, 1943.

It was completed and introduced on 14$^{TH}$ Feb. 1946.

It was given a code name as 'Project PX'.

Chief investigator was John Grist Brainerd.

It was called as a "Giant Brain" by the press.

It took a human 20 hours in 30 seconds.

It measured 8 feet x 3 feet x 80 feet and weighed 27 tons.

It contained nearly 50 lakhs hand-soldered joints.

It consumed 150 KW of electricity. (Where 1000 watts = 1 Kilo Watts = 1 unit)

It occupied 1800 ft$^2$

Anjuman-i-Islam's

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MS Ali Road, Two Tank Grant(E), Mumbai - 08

## Certificate courses

## Feedback Form

**Name of the Course:** **Certificate Course in Hardware and Networking**

**Name of the Program In-charge: Mr. Altaf Chougule**

**Student Name (Optional ) :** Angeri Shamoel

| Sr. No | Question | Excellent | Good | Satisfactory | Poor |
|---|---|---|---|---|---|
| 1 | Content Delivery by Resource Person | ☺ | | | |
| 2 | knowledge imparted by resource person | ☺ | | | |
| 3 | Did your purpose of attending the program get fulfilled | ☺ | | | |
| 4 | Overall program management | ☺ | | | |
| 5 | How much could you related with the subject | ☺ | | | |

-x-x-x-x-

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*(NAAC Accredited College)*

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## Certificate courses

## Feedback Form

**Name of the Course:** **Certificate Course in Hardware and Networking**

**Name of the Program In-charge: Mr. Altaf Chougule**

**Student Name (Optional) :** Angari Zidan

| Sr. No | Question | Excellent | Good | Satisfactory | Poor |
|---|---|---|---|---|---|
| 1 | Content Delivery by Resource Person | ✓ | | | |
| 2 | knowledge imparted by resource person | ✓ | | | |
| 3 | Did your purpose (SKILL) of attending the program get fulfilled | ✓ | | | |
| 4 | Overall program management | ✓ | | | |
| 5 | How much could you related with the subject | ✓ | | | |

-x-x-x-x-

Roll No. _____

APCCE/Hardware & Networking/2021-2022

MARKS: 20 30 Min

**Q.1) Tick the correct objectives:** **5 MARKS**

1) RAM stands for .....

a) Read Access Memory b) Random Access Memory

c) Rom Access Memory d) Rear Access Management

2) One GB = .....

a) 1024 MB b) 1024 KB c) 1024 TB d) 1024 Bytes

3) Windows eight makes an additional partition for system files .....

a) 100 MB c) 250 MB 3) 300 MB d) 350 MB

4) The first computer was invented in the year .....

a) 1847 b) 1927 c) 1947 d) 1987

5) To enter BIOS setup, one has to enter .....

a) F2 b) F3 c) F5 d) F8

**Q.2) State true or false:** **5 MARKS**

1) Windows XP Creates an additional partition for system files. _____

2) Fan mounted on the side of the cabinet is called heat sink fan . _____

3) Capacity of DDR3 RAM is of maximum 8 GB. _____

4) Serial port was used to connect old types of mouse. _____

5) A single product key is universal for all operating systems. _____

**Q.3) Answer in brief:** **10 MARKS**

1) Write down the generation of CPU and RAM.

_____

_____

_____

_____

| Sr No | Name of the Students | Practical | Theory (MCQ) | Theory (Descriptive) | Total | Percentage |
|---|---|---|---|---|---|---|
| | | Out of 20 | Out of 10 | Out of 20 | Out of 50 | % |
| 1 | ANSARI SHAMOOTI ABDUL AZIZ | 20 | 7 | 18 | 45 | 90.00 |
| 2 | MOOSAJEE ABDULLAH SHAMSHAD | 20 | 6 | 19 | 45 | 90.00 |
| 3 | ANSARI ZIDAN IRFAN | 20 | 6 | 20 | 45 | 90.00 |
| 4 | ANSARI ATIF TAUHEED AHMED | 18 | 5 | 22 | 44 | 88.00 |
| 5 | JAORAWALA HUSAIN SHABBIR | 20 | 6 | 17 | 43 | 86.00 |
| 6 | SHAIKH MOHD ZAID ZULFIKAR | 19 | 7 | 16 | 42 | 84.00 |
| 7 | QURESHI MOHAMMED SAAD MOHAMMED ARIF | 20 | 5 | 17 | 42 | 84.00 |
| 8 | BHATKAR ATEEB HAMEED | 17 | 6 | 20 | 43 | 86.00 |
| 9 | SHAIKH MOHAMMED YUSUF AHMED ALI | 20 | 6 | 20 | 46 | 92.00 |

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# AKBAR PEERBHOY COLLEGE OF COMMERCE & ECONOMICS

NAAC REACCREDITED COLLEGE

Maulana Shaukatali Road, Grant Road (E), Mumbai - 400008.

Since 1969

## *Certificate of Merit*

*Awarded to*

Mr. / Ms. HUSSAIN SHABBIR JAFFRIWALA

Class SYBCA Div. _____ Roll No. 04 Academic Year 2022-23

For SUCCESSFULLY COMPLETING 30 HRS SKILL DEVELOPMENT COURSE

IN HARDWARE & NETWORKING DURING THE PERIOD FEB'22 TO APRIL'22.

Date : 24/09/2022

Prof. In-Charge

Principal

*50 Glorious Years of Existence*

Anjuman-I-Islam's

# AKBAR PEERBHOY COLLEGE OF COMMERCE & ECONOMICS

NAAC REACCREDITED COLLEGE

Maulana Shaukatali Road, Grant Road (E), Mumbai - 400008.

Since 1969

# Certificate of Merit

Awarded to

Mr. / Ms. ATEEB HASEEB AHMED BHATKAR

Class S.U.T.T Div. _____ Roll No. 06 Academic Year _____

For SUCCESSFULLY COMPLETING 30HRS SKILLS DEVELOPMENT COURSE IN HARWARE & NETWORKING DURING THE PERIOD FEB 22 to APRIL 22

Certificate of Merit

Date : 24/09/2022

Prof. In-Charge

Principal

50 Glorious Years of Existence

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# AKBAR PEERBHOY COLLEGE OF COMMERCE & ECONOMICS

NAAC REACCREDITED COLLEGE

Maulana Shaukatali Road, Grant Road (E), Mumbai - 400008.

Since 1969

## Certificate of Merit

Awarded to

Mr. / Ms. ANSARI ZOAN MOHAMMAD IRFAN

Class _____ Div. _____ Roll No. _____ Academic Year _____

For SUCCESSFULLY COMPLETING SOHRS SKILLS DEVELOPMENT COURSE

IN HARDWARE & NETWORKING DURING THE PERIOD FEB 22 TO APRIL 22

Certificate of Merit

Date : 24/04/2022

Prof. In-Charge

Principal

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NAAC REACCREDITED COLLEGE

Maulana Shaukatali Road, Grant Road (E), Mumbai - 400008.

Since 1969

## Certificate of Merit

Awarded to

Mr. / Ms. MOHAMMED YUSUF AHMED ALI SHAIKH

Class S.Y.B.C.A.T Div. _____ Roll No. 21 Academic Year _____

For SUCCESSFULLY COMPLETING 30 HRS SKILLS DEVELOPMENT COURSE IN HARDWARE & NETWORKING DURING THE PERIOD FEB 22 TO APRIL 22

Certificate of Merit

Date: 24/09/2022.

Prof. In-Charge

Principal

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# AKBAR PEERBHOY COLLEGE OF COMMERCE & ECONOMICS

NAAC REACCREDITED COLLEGE

Maulana Shaukatali Road, Grant Road (E), Mumbai - 400008.

Since 1969

## Certificate of Merit

*Awarded to*

Mr. / Ms. MOHAMMAD SAAD ANIS QURESHI

Class S.Y.I.T Div. _____ Roll No. 17 Academic Year _____

For SUCCESSFULLY COMPLETING 30 HRS SKILLS DEVELOPMENT COURSE

IN HARDWARE & NETWORKING DURING THE PERIOD FEB 22 to APRIL 22.

Certificate of Merit

Date : 24/09/2022

Prof. In-Charge

Principal

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MS Ali Road, Two Tank Grant(E), Mumbai - 08

## Certificate courses

## Feedback Form

**Name of the Course:** **Certificate Course in Hardware and Networking**

**Name of the Program In-charge: Mr. Altaf Chougule**

**Student Name (Optional ) :** Ansari Shamoel

| Sr. No | Question | Excellent | Good | Satisfactory | Poor |
|---|---|---|---|---|---|
| 1 | Content Delivery by Resource Person | ☺ | | | |
| 2 | knowledge imparted by resource person | ☺ | | | |
| 3 | Did your purpose of attending the program get fulfilled | ☺ | | | |
| 4 | Overall program management | ☺ | | | |
| 5 | How much could you related with the subject | ☺ | | | |

-X-X-X-X-

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## Certificate courses

## Feedback Form

**Name of the Course:** **Certificate Course in Hardware and Networking**

**Name of the Program In-charge: Mr. Altaf Chougule**

**Student Name (Optional) :** Siddique Abdullah

| Sr. No | Question | Excellent | Good | Satisfactory | Poor |
|---|---|---|---|---|---|
| 1 | Content Delivery by Resource Person | ✓ | | | |
| 2 | knowledge imparted by resource person | ✓ | | | |
| 3 | Did your purpose (SKILL) of attending the program get fulfilled | ✓ | | | |
| 4 | Overall program management | ✓ | | | |
| 5 | How much could you related with the subject | | ✓ | | |

-x-x-x-x-

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## Certificate courses

## Feedback Form

**Name of the Course:** Certificate Course in Hardware and Networking

**Name of the Program In-charge:** Mr. Altaf Chougule

**Student Name (Optional) :** Angari Zidan

| Sr. No | Question | Excellent | Good | Satisfactory | Poor |
|---|---|---|---|---|---|
| 1 | Content Delivery by Resource Person | ✓ | | | |
| 2 | knowledge imparted by resource person | ✓ | | | |
| 3 | Did your purpose (SKILL) of attending the program get fulfilled | ✓ | | | |
| 4 | Overall program management | ✓ | | | |
| 5 | How much could you related with the subject | ✓ | | | |

-x-x-x-x-

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## Certificate courses

## Feedback Form

**Name of the Course:** **Certificate Course in Hardware and Networking**

**Name of the Program In-charge: Mr. Altaf Chougule**

**Student Name (Optional) :** Jaoraweala Husain

| Sr. No | Question | Excellent | Good | Satisfactory | Poor |
|---|---|---|---|---|---|
| 1 | Content Delivery by Resource Person | ✓ | | | |
| 2 | knowledge imparted by resource person | ✓ | | | |
| 3 | Did your purpose (SKILL) of attending the program get fulfilled | ✓ | | | |
| 4 | Overall program management | | ✓ | | |
| 5 | How much could you related with the subject | | ✓ | | |

-x-x-x-x-

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## Certificate courses

## Feedback Form

**Name of the Course:** **Certificate Course in Hardware and Networking**

**Name of the Program In-charge: Mr. Altaf Chougule**

**Student Name (Optional) :** Shaikh Mohd Zaid

| Sr. No | Question | Excellent | Good | Satisfactory | Poor |
|---|---|---|---|---|---|
| 1 | Content Delivery by Resource Person | ✓ | | | |
| 2 | knowledge imparted by resource person | ✓ | | | |
| 3 | Did your purpose (SKILL) of attending the program get fulfilled | ✓ | | | |
| 4 | Overall program management | ✓ | | | |
| 5 | How much could you related with the subject | | ✓ | | |

-x-x-x-x-