



DEPARTMENT OF MCA

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

(An Autonomous College affiliated to
Bharathiar University, Coimbatore)
An ISO 9001:2015 Certified Institution
Re-Accredited by NAAC



VALUE ADDED COURSE 2019-2020

PC ASSEMBLY AND CCTV INSTALLATION

Course Coordinator
Dr.M.Rajasenathipathi

Course Name : PC ASSEMBLY AND CCTV INSTALLATION

Duration : 30 Hours

Eligibility : All UG&PG courses

Course fee : Rs. 350/-

AIM OF THE COURSE

The aim of the course is to provide hardware and software troubleshooting during booting time.

COURSE OBJECTIVE

The course enables the students understand the fundamentals of PC Assembly and CCTV Installation.

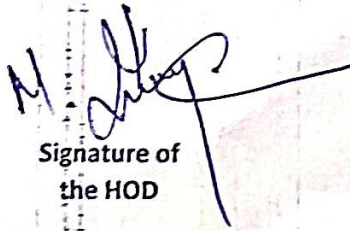
All are cordially invited.....!!!

CAREER OPPORTUNITIES:

- ❖ Assemble/setup and upgrade personal computer systems
- ❖ Diagnose and isolate computer components
- ❖ Optimize system performance
- ❖ Knowledge of CCTV types and components
- ❖ Install and connect peripherals of camera.



“There is no design without discipline. There is no discipline without intelligence.” –Massimo Vignelli



Signature of
the HOD

Dr. M. RAJASENATHIPATHI M.A., M.Phil., Ph.D.
Head of the Department
Department of Computer Technology
Nallaarthu Gounder Mahalingam College (Autonomous)
POLLACHI - 642 001.



Signature of the
PRINCIPAL

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

PG DEPARTMENT OF COMPUTER APPLICATIONS VALUE ADDED COURSE

Syllabus

PC ASSEMBLY & CCTV INSTALLATION

Objective of the Course:

This course enables the students to understand the fundamentals of PC Assembly and CCTV Installation

Learning Outcomes:

- Assemble/setup and upgrade personal computer systems
- Diagnose and isolate faulty components
- Optimize system performance
- Install and connect peripherals
- Knowledge of CCTV components
- Installation of CCTV

Expected Job Roles

Service Technician for PC and CCTV camera

Duration of the course

30 Hours

Outline of the Course

Unit – I

Computer Components – Computer Tools – Computer Case Preparation - Mother Board -
Installing a CPU - Installing a Computer Memory 4 hours

Unit – II

Installing a Mother Board - Installing a Power Supply - Computer Wiring - Installing a Hard
Drive – DVD Drive 4 hours

Unit – III

Installing a Graphics Card – Booting the computer – Install Drivers – Installing Windows 7 and
10 – Trouble Shooting – Case Study 6 hours

Unit – IV

Electronic Surveillance : Objective - Introduction to Electronic Surveillance - Introducing CCTV
- CCTV Technology - Designing of the CCTV System: Objective - Pre-Installation Activities -
Customer Requirements and Site Analysis - Selection of Components 8 hours

Unit - V

CCTV Camera Installation: Objective - Planning for CCTV Camera Installation - Installing the Camera - Checking the Camera Functions - Set Up CCTV Surveillance System: Objective - Connecting Camera and DVR with System - Configuring Network Settings - Checking the Functioning of the System 8 hours

Material for Study

- <https://www.build-your-own-computer.net/support-files/build-your-own-computer.pdf>
- CCTV Installation Technician – National Skill Development Corporation – Facilitator Guide
- <https://nsdcindia.org/sites/default/files/FG-ELEQ4605-CCTV-Installation-Technician-09-03-2018.pdf>
- <https://www.instructables.com/id/How-To-Assemble-A-Basic-Desktop-PC/>
- <https://choosemytype.net/assemblyguide/>
- http://ptgmedia.pearsoncmg.com/images/9781587132636/samplechapter/9781587132636_ch03.pdf
- http://www.uobabylon.edu.iq/eprints/publication_3_27197_1357.pdf

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VALUE ADDED COURSE

Certificate of Completion

This is to certify that Ms. **Shahinsha.N (19BM29)**, **Department of BBA**, of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to May 2020.

HOD

Principal



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Certificate of Completion

This is to certify that Ms. **Pasupathi.K (19BM14)**, **Department of BBA**, of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to May 2020.

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Certificate of Completion

This is to certify that Ms. **Arun S (19IT15)**, **Department of BSC(IT)**, of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to May 2020.

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Certificate of Completion

This is to certify that Ms. **Vasudevan M (19IT23)**, **Department of BSC(IT)**, of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to May 2020.

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This is to certify that Ms. **Praveen V (19IT21)**, **Department of BSC(IT)**, of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to May 2020.

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This is to certify that Ms. **Naveen S (17IT20)**, **Department of BSC(IT)**, of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to May 2020.

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This is to certify that Ms. **Logesh M (17BP21)**, **Department of BCOM(BPS)**, of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to May 2020.

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This is to certify that Ms. **Kathirasan T (17BP24)**, **Department of BCOM(BPS)**,
of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed
Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to
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This is to certify that Ms. **Nithya N (18PS20)**, **Department of MCA** of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to May 2020.

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This is to certify that Ms. **Vidhya T (18PS27)**, **Department of MCA** of Nallamuthu Gounder Mahalingam College (Autonomous), Pollachi, has successfully completed Value Added Course entitled **PC ASSEMBLY & CCTV INSTALLATION** during Feb 2020 to May 2020.

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