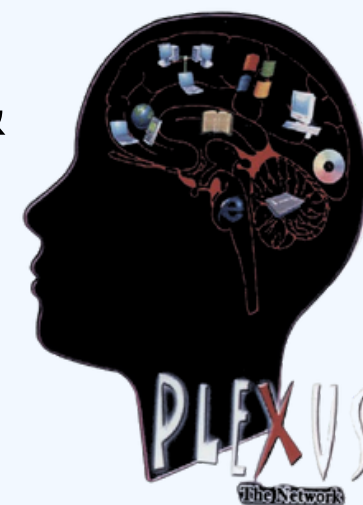


NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

(Autonomous)



Re-Accredited by NAAC & ISO 9001 : 2015 Certified Institution &
Ranked 95 at National Level in NIRF 2023
Affiliated to Bharathiar University, Coimbatore.
90, Palghat Road, Pollachi – 642001.
Coimbatore District, Tamilnadu, India



UG DEPARTMENT OF COMPUTER APPLICATIONS

ORGANISES



VALUE ADDED COURSE ON



HARDWARE TROUBLESHOOTING & NETWORK ESSENTIAL

STAFF INCHARGE:

S. DILIPKUMAR

A. MURUGANANDHAM

CONVENOR:

Dr.K. HARIDAS



Programme Code:	BCA	Programme Title:	Bachelor of Computer Applications	
Course Code:	21UBCVAC1	Title	Batch:	2021-2022
Total Hrs:	30	HARDWARE TROUBLESHOOTING AND NETWORK ESSENTIAL	Credit	1

Course Objective

At the end of the program the students will be able to understand the basics of assembling a computer & installing OS.

Course Outcomes (CO)

K1	CO1	To Demonstrate knowledge & Concepts of Computer Fundamentals.
K2	CO2	To know the Installation of Operating System and preventive maintenance.
K3	CO3	To know how to Perform a step by step assembly of a computer.

Units	Content	Hrs
Unit I	Introduction - Steps for assembling a PC - Commonly used devices an overview - Assembling a SMPS in a cabinet - Fixing a processor in a mother board- Assembling RAM in a mother board - Pinning a cooling fan in a mother board.	10
Unit II	Assembling a hard disc drive in a cabinet - Assembling a CD/DVD ORM in a cabinet- Assembling a floppy drive in a cabinet - Fixing motherboard in a cabinet - Steps for installing windows2007 & windows XP, Software - Trouble Shooting: Dos, XP, 2000 - Installation of Software program. Fixing wires for power restart switches, fixing wires for power & HDD LED's, fixing wires for external USB and Audio connections.	10
Unit III	Protocols and the magic of protocols, in particular, TCP/IP - Working with name-resolution - IP address allocation - Active Directory - Troubleshooting.	10
Total Contact Hrs		30


PRINCIPAL
N. G. M. COLLEGE, POLLACHI


Dr. K. HARIDAS, M.C.A., M.Phil., Ph.D.,
 Associate Prof. & Head,
 Department of Computer Applications,
 N.G.M. College (Autonomous), Pollachi - 642 001.

Books for Reference

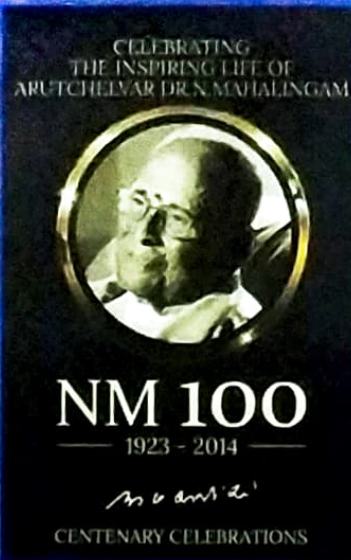
1. "How Computers Work", Heinemann read and learn Our Digital Planet Series, Ben Hubbard Read and Learn: Our Digital Planet, Ben Hubbard, , Raintree, 2018.
2. G.Dalin. M.Sc software engineering, HSI PUBLICATIONS.
3. Cisco a Beginner's Guide, Fifth Edition, McGraw-Hill/Osborne Media.


Co-ordinator




HOD

Dr. K.HARIDAS, M.C.A., M.Phil., Ph.D.,
Associate Prof. & Head,
Department of Computer Applications,
N.G.M. College (Autonomous), Pollachi, Tamil Nadu.



CERTIFICATE OF COMPLETION



NGM COLLEGE

(Autonomous), Pollachi

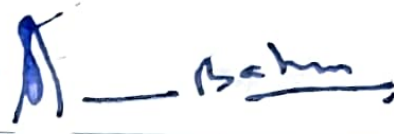
Re-Accredited by NAAC and ISO 9001 : 2015 Certified Institution
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Affiliated to Bharathiar University, Coimbatore.



Value Added Course

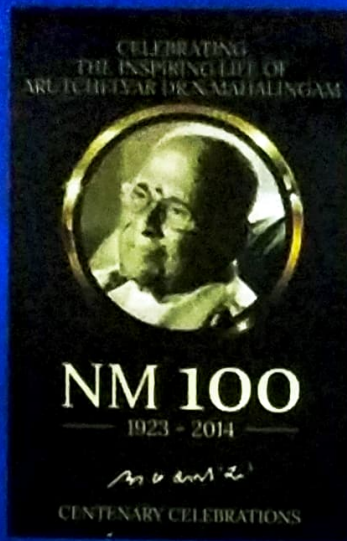
This is to certify that Mr./Ms. AKALYA.A
of BSC.CT department
has successfully completed a Value Added Course
entitled HARDWARE TROUBLESHOOTING & NETWORKING ESSENTIALS and
secured a mark of 56 out of 100


COURSE TEACHER


DEAN - ACADEMIC


IQAC CO-ORDINATOR


PRINCIPAL



CERTIFICATE OF COMPLETION



NGM COLLEGE

(Autonomous), Pollachi

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Value Added Course

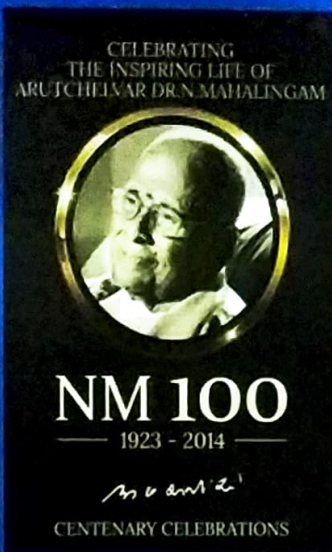
This is to certify that Mr./Ms. ... **ASHWIN.K.G**
of **BCOM** *department*
has successfully completed a Value Added Course
entitled **HARDWARE TROUBLESHOOTING & NETWORKING ESSENTIALS** *and*
secured a mark of **67** *out of 100*


COURSE TEACHER


DEAN - ACADEMIC


IQAC CO-ORDINATOR


PRINCIPAL



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Value Added Course

CERTIFICATE OF COMPLETION

This is to certify that ~~Mr./Ms.~~ SOWBARNIKA.S

of B.COM-SF *department*

has successfully completed a Value Added Course

entitled HARDWARE TROUBLESHOOTING & NETWORKING ESSENTIALS *and*

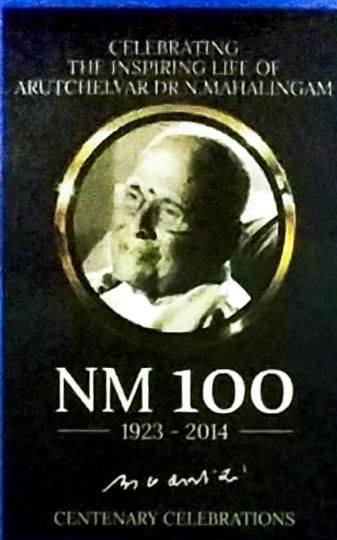
secured a mark of 68 *out of 100*

COURSE TEACHER

DEAN - ACADEMIC

IQAC CO-ORDINATOR

PRINCIPAL



CERTIFICATE OF COMPLETION



NGM COLLEGE

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Value Added Course

This is to certify that *Mr./Ms.* DIVYA.T

of BCOM-FINANCE department

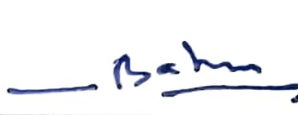
has successfully completed a Value Added Course

entitled HARDWARE TROUBLESHOOTING & NETWORKING ESSENTIAL *and*

secured a mark of 51 *out of 100*



COURSE TEACHER



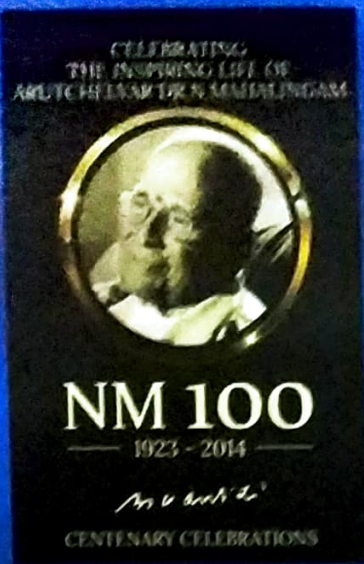
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Value Added Course

*This is to certify that Mr./Ms. **MOHAMMED SHRIQ***

*of **BSC.CS** department*

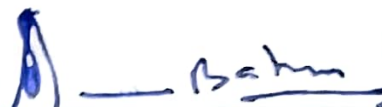
has successfully completed a Value Added Course

*entitled **HARDWARE TROUBLESHOOTING & NETWORK ESSENTIAL** and*

*secured a mark of **68** out of 100*



COURSE TEACHER



DEAN - ACADEMIC



IQAC CO-ORDINATOR



PRINCIPAL