



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as deemed to be university under section 3 of UGC Act 1956, vide notification No.F.9-5/2000-U.3)

SCHOOL OF ARTS

Date: 22.11.2018


CIRCULAR

Sub: Organising Value-added Course: Hardware and Networking Essentials - reg.,

With reference to the above mentioned subject, we bring it to your notice that School of Arts, Bharath Institute of Higher Education & Research is organising “**Value added course on Hardware and Networking Essentials**”. The syllabus and registration form are enclosed below.

The candidates those who are interested to join must fill the registration form and submit to the course coordinator Mr. R. Balamurugan, School of Arts on or before 01.12.2018. The Registration form received after the mentioned date shall not be entertained under any circumstances.

Encl: A copy of Syllabus & Registration form


Dean-Faculty of Arts & Science

Faculty
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Chennai-600 073, INDIA

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SCHOOL OF ARTS

Registration Form

Value Added Courses on Hardware and Networking Essentials

Date: 2.12.2018

Name : Priya M
Reg.No. : UI7BC018
Date of Birth : 10.09.1993
Gender : Female
Department : Commerce
Year : 2018
Contact No. : 96554 222 11
Email ID : mpriya@gmail.com
Course Applied For : Hardware and Networking
Essentials

Signature
Priya.M.



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Registration Form

Value Added Courses on Hardware and Networking Essentials

Date: 3.12.2018

Name : Murali D,
Reg.No. : U173C006
Date of Birth : 02.04.1999
Gender : Male
Department : Computer Science
Year : 2018
Contact No. : 8838425523
Email ID : muralimendoza@gmail.com
Course Applied For : Hardware and Networking
Essentials.

Murali.
Signature

Bharath Institute of Higher Education & Research
School of Arts
Participant List

Value Added Courses on Hardware and Networking Essentials

| S.NO | REG.No | NAME OF THE CANDIDATE | DEPARTMENT |
|------|----------|-----------------------|----------------------|
| 1 | U17BC011 | MUBARAKALI A | B.COM |
| 2 | U17BC012 | PRAVEENKUMAR N | B.COM |
| 3 | U17BC013 | SARAVANAN P | B.COM |
| 4 | U17BC014 | THARAN R | B.COM |
| 5 | U17BC015 | RAJALAKSHMI S | B.COM |
| 6 | U17BC016 | RANJITHA P | B.COM |
| 7 | U17BC017 | HARIHARAPRABU S | B.COM |
| 8 | U17BC018 | PRIYA M | B.COM |
| 9 | U17BC019 | GOWTHAM S | B.COM |
| 10 | U17BC020 | SARAN V | B.COM |
| 11 | U17CA061 | VIJAY KUMAR M | BCA |
| 12 | U17CA062 | FLAVIN C | BCA |
| 13 | U17CA063 | ASWIN S | BCA |
| 14 | U17CA064 | JABASRAJA P | BCA |
| 15 | U17CA065 | YUVANRAJ K | BCA |
| 16 | U17CA067 | AJAI C | BCA |
| 17 | U17CA068 | ADITYA PRAKASH | BCA |
| 18 | U17CA069 | YUVARAJ M | BCA |
| 19 | U17CA070 | MANIKANDAN K | BCA |
| 20 | U17CA071 | SWATHINI K | BCA |
| 21 | U17SC003 | YASHWANTH KUMAR K | BSC-COMPUTER SCIENCE |
| 22 | U17SC004 | ANANDH RAJ J | BSC-COMPUTER SCIENCE |
| 23 | U17SC005 | HARINI B | BSC-COMPUTER SCIENCE |
| 24 | U17SC006 | MURALI D | BSC-COMPUTER SCIENCE |
| 25 | U17SC008 | REVATHI R | BSC-COMPUTER SCIENCE |
| 26 | U17SC009 | BHARATHBALAJI G K | BSC-COMPUTER SCIENCE |
| 27 | U17SC010 | BHARATH KUMAR N | BSC-COMPUTER SCIENCE |
| 28 | U17SC011 | NANDAKUMAR B | BSC-COMPUTER SCIENCE |
| 29 | U17SC012 | BOTHYRAJA M | BSC-COMPUTER SCIENCE |
| 30 | U17SC013 | MANIKANDAN A | BSC-COMPUTER SCIENCE |
| 31 | U17SC014 | DHAMODARAN B | BSC-COMPUTER SCIENCE |
| 32 | U17SC015 | SARAVANAN K | BSC-COMPUTER SCIENCE |
| 33 | U17SC016 | SANTHOSH M | BSC-COMPUTER SCIENCE |
| 34 | U17SC017 | SHARMILADEVI C | BSC-COMPUTER SCIENCE |
| 35 | U17SC019 | SUDHARSAN D | BSC-COMPUTER SCIENCE |

| | | | |
|----|----------|----------------|------------|
| 41 | U17VC022 | PRAVEEN RAJ K | BSC-VISCOM |
| 42 | U17VC023 | KALPANA M G | BSC-VISCOM |
| 43 | U17VC024 | PAVITHRA P | BSC-VISCOM |
| 44 | U17VC025 | SWETHA PRIYA J | BSC-VISCOM |
| 45 | U17VC026 | HARSHA N | BSC-VISCOM |



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SCHOOL OF ARTS

Value Added Course

Hardware and Networking Essentials

Syllabus

Microprocessor System - Introduction of System overview, Introduction to Processors, Memory Interfacing, Interfacing I/O Devices, Interfacing Data Converters, Display Interface, Serial I/O and Data Communication, Higher level Processors.

Introduction to PC Architecture Study of PC-AT/ATX System, Pentium, Core, Core 2 Cord, Core 2 Duo, I3, I5, I7.

Processor Basics of Processor and CPU Block Diagram of Computer and Computer Generation Motherboards, Chipset and Controllers, BIOS and the Boot Process, Computer Memory.

Internal Components IDE and SATA Devices: Hard Disk Drive and CD/DVDs Drives, SCSI Devices, Floppy Disk, Zip Drive, Backup Drive, Expansion Cards- LAN Card, IDE Card , VGA and SVGA Cards, Sound Card, Interface Cards, I/O cards, Video Cards, USB Card, Fire-Wire Cards, Internal Ports, Cables and Connector Types.

Introduction of Network Cable like UTP, STP, Fiber Optics, Hub, Unmanageable Switch, Manageable Switch, Router, Modem, Wi-Fi, Access Point, PCI Wireless Card, USB Wireless Device, Print Server, USB Network Sharer, Backup Device, Server Hardware etc.

Bharath Institute of Higher Education & Research
School of Arts
TIMETABLE
Value Added Courses on Hardware and Networking Essentials
Course Duration:30 Hrs

| S.No | Date | Time | Hour |
|-------------|-------------|--------------|-------------|
| 1 | 05.12.2018 | 2.00-4.00p.m | 2 |
| 2 | 06.12.2018 | 2.00-4.00p.m | 2 |
| 3 | 07.12.2018 | 2.00-4.00p.m | 2 |
| 4 | 08.12.2018 | 2.00-4.00p.m | 2 |
| 5 | 10.12.2018 | 2.00-4.00p.m | 2 |
| 6 | 11.12.2018 | 2.00-4.00p.m | 2 |
| 7 | 12.12.2018 | 2.00-4.00p.m | 2 |
| 8 | 13.12.2018 | 2.00-4.00p.m | 2 |
| 9 | 14.12.2018 | 2.00-4.00p.m | 2 |
| 10 | 15.12.2018 | 2.00-4.00p.m | 2 |
| 11 | 17.12.2018 | 2.00-4.00p.m | 2 |
| 12 | 18.12.2018 | 2.00-4.00p.m | 2 |
| 13 | 19.12.2018 | 2.00-4.00p.m | 2 |
| 14 | 20.12.2018 | 2.00-4.00p.m | 2 |
| 15 | 21.12.2018 | 2.00-4.00p.m | 2 |

Bharath Institute of Higher Education & Research
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LESSON PLAN

Value Added Courses on Hardware and Networking Essentials

Course Duration:30

| S.No | Date | Topic | Time | Hours |
|------|------------|---|--------------|-------|
| 1 | 05.12.2018 | Microprocessor System - Introduction of System overview, Introduction to Processors | 2.00-4.00p.m | 2 |
| 2 | 06.12.2018 | Memory Interfacing, Interfacing I/O Devices, Interfacing Data Converters, Display Interface | 2.00-4.00p.m | 2 |
| 3 | 07.12.2018 | Serial I/O and Data Communication, Higher level Processors | 2.00-4.00p.m | 2 |
| 4 | 08.12.2018 | Introduction to PC Architecture Study of PC-AT/ATX S | 2.00-4.00p.m | 2 |
| 5 | 10.12.2018 | Core 2 Cord, Core 2 Duo, I3, I5, I7 | 2.00-4.00p.m | 2 |
| 6 | 11.12.2018 | Processor Basics of Processor and CPU Block Diagram | 2.00-4.00p.m | 2 |
| 7 | 12.12.2018 | BIOS and the Boot Process, Computer Memory | 2.00-4.00p.m | 2 |
| 8 | 13.12.2018 | Internal Components IDE and SATA Devices: Hard Dis | 2.00-4.00p.m | 2 |
| 9 | 14.12.2018 | Expansion Cards- LAN Card, IDE Card , VGA and SVC | 2.00-4.00p.m | 2 |
| 10 | 15.12.2018 | Interface Cards, I/O cards, Video Cards, I/O cards | 2.00-4.00p.m | 2 |
| 11 | 17.12.2018 | Video Cards, USB Card, Fire-Wire Cards, Internal | 2.00-4.00p.m | 2 |
| 12 | 18.12.2018 | Introduction of Network Cable like UTP, STP, Fiber Op | 2.00-4.00p.m | 2 |
| 13 | 19.12.2018 | Hub, Unmanageable Switch, Manageable Switch | 2.00-4.00p.m | 2 |
| 14 | 20.12.2018 | Router, Modem, Wi-Fi, Access Point, PCI Wireless Car | 2.00-4.00p.m | 2 |
| 15 | 21.12.2018 | Print Server, USB Network Sharer, Backup Device, Server Hardware etc. | 2.00-4.00p.m | 2 |



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Course Feedback form

Value Added Courses on Hardware and Networking Essentials

Date: 21.12.2018

Course Title: Hardware and Networking Essentials

Name: Yuvraj M

RegNo: UITCA069

Department: Computer Applications.

| S.No | Particulars | 1 | 2 | 3 | 4 | 5 |
|--|--|---|---|---|---|----|
| (1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied) | | | | | | |
| 1. | Objectives of the course clear to you | | | | | ✓ |
| 2. | Course contents met with your expectations | | | | - | |
| 3. | Lecture sequence was well planned | | | | - | |
| 4. | Lectures were clear and easy to understand | | | | | ✓ |
| 5. | Teaching aids were effective | | | | | ✓ |
| 6. | Instructors encourage interaction and were helpful | | | | ✓ | |
| 7. | The level of the course | | | | | - |
| (1. Very poor 2. Poor 3. Average 4. Good 5. Excellent) | | | | | | |
| 8. | Overall rating of the course: | 1 | 2 | 3 | 4 | 5✓ |

Please give Suggestion for the improvement of the course:


Signature



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Course Feedback form

Value Added Courses on Hardware and Networking Essentials

Date: 21.12.2018

Course Title: Hardware and Networking Essentials

Name: Saran V.

RegNo: U17BC020

Department: BC000

| S.No | Particulars | 1 | 2 | 3 | 4 | 5 |
|--|--|---|---|---|---|---|
| (1. Very Unsatisfied 2. Unsatisfied 3. Neutral 4. Satisfied 5. Very Satisfied) | | | | | | |
| 1. | Objectives of the course clear to you | | | | | ✓ |
| 2. | Course contents met with your expectations | | | | | ✓ |
| 3. | Lecture sequence was well planned | | | | | ✓ |
| 4. | Lectures were clear and easy to understand | | | | ✓ | |
| 5. | Teaching aids were effective | | | | | ✓ |
| 6. | Instructors encourage interaction and were helpful | | | | ✓ | |
| 7. | The level of the course | | | | | ✓ |
| (1. Very poor 2. Poor 3. Average 4. Good 5. Excellent) | | | | | | |
| 8. | Overall rating of the course: | 1 | 2 | 3 | 4 | 5 |

Please give Suggestion for the improvement of the course:


Signature



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Value Added Courses on Hardware and Networking Essentials



Resource Person

Mr. Prasanna, Manager, Innovation Academy, Chennai



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Bharath Institute of Science and Technology

83.3, Agharam Main Road, Secretariat Colony, Tiruvanchery, Selaiyur, Chennai - 600126, Tamil Nadu, India.

School of Arts

Certificate of Participation

This certificate is awarded to Mr./ Ms. RAMESH. N for enthusiastic participation and completion of the Value Added Courses on Hardware and Networking Essentials from 05.12.2018 to 21.12.2018.

Mr. R. Balamurugan
Course Coordinator

Mr. S. Kannan
Convener

Dr. A. Muthukumaravel
Dean - Arts & Science