Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
No.173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

Requisition Letter

Date:17.09.2018

From
Dr. K.P.Kaliyamurthie,
Professor & Head,
Department of CSE,
Bharath Institute of Higher Education and Research,
Chennai

To
The Dean Engineering,
Bharath Institute of Higher Education and Research,
Chennai

Respected sir

Subject: Request of Permission to conduct a value-added course on **"Computer Trouble Shooting and Networking"**-Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on **"Computer Trouble Shooting and Networking"** in our campus premises on **19.09.2018**, students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: **CSE Smart Room**

Timing 2:00 PM to 4:0 PM(AN) and Saturday (FN&AN).

Submitted to Principal for approval to organize this value-added course.

HOD

DEAN ENGINEERING

HEAD OF DEPARTMENT
Department of Computer Sci... & Engg.,
Bharath Institute of Higher Education & Research
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Chennai-600 073. INDIA

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CIRCULAR

17.09.2018

The School of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Computer trouble shooting and networking** for the benefit of II, III and IV year students. This course is scheduled from 19.09.2018 for 28hours which includes theory and practical. The timings are 2:00 PM to 4:00 PM from Wednesday (AN) and Friday (AN).

All Registered Students must attend all the classes without fail. The following faculty members are assigned to handle the course. S.NO	**Name of the Faculty**	**Designation**
1	R.MuthuVenkataKrishnan	Assistant Professor
2	S.Sangeetha	AssistantProfessor

Head of Department

To

Copy to CSE

Copy to IT

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CERTIFICATE COURSE ON COMPUTER TROUBLE SHOOTING AND NETWORKING

Date of Introduction of the Course: 19.09.2018

COURSE SYLLABUS

01. HARDWARE AND TROUBLE SHOOTING

Overview of H/W & S/W, network, internet, Operating system, Application program, File types & managing files, file backups, Common windows problem & troubleshooting.

02. WINDOWS MANAGEMENT

Windows problem:- After installation of new Software, Running slow, Running error.

03. ERROR HANDLING METHOD

Running error, Runtime error, dived error, windows program not responding, Restart without warning.

04. BOOTING

Turn off without warning, freezing of windows, booting slow, win32 error. Fixing: Invalid page fault.

05. SECURITY

Security-Viruses, Worms, Spam, E-Mail Virus, Securing pc, Boot device.

06. BASIC CONCEPT OF NETWORKS

Basic network concepts, applications & uses of computer networks, different layers in networks, internet & web concepts, network security.

07. SOFTWARE AND HARDWARE NETWORKING

Software & hardware issues in networking, reference models, OSI, TCP, IP, UDP

08. COMMUNICATION NETWORKING

Transmission medium wired communication, wireless communication.

09. EVALUATION OF COMMUNICATION.

Satellite communication, PSTN-first generation, second generation, third generation.

10. NETWORKING MEDIUM

Modern Network Techniques: Basic modern network mediums, basic modern Modem, Ethernet, Switch, Hub, Routers

11. FIREWALLS

Internet Standardization, fire walls, proxy server, URI, URN, HTML, XML, HTTP Sockets.

COURSE OBJECTIVES

In this course we plan to give students an overviewof the field of Trouble shooting, and an in-depth study into its enabling technologies and main building blocks. Students will gain hands-on experience solving relevant problems through projects that will utilize existing public cloud tools. It is our objective that students will develop the skills needed to become a practitioner or carry out research projects in this domain.

Specifically, the course has the following objectives:

Students will learn

1) At the end of the program the students will be able to understand the trouble shooting in hardware Specific.

2) The basic ideas and principles in data centre design; Network and Troubleshooting techniques.

3) Different CPU, memory and I/O virtualization techniques that serve in offering software, computation and storage services on the cloud; Software Defined Networks (SDN) and Software Defined Storage (SDS);

4) The variety of programming models and develops working experience in several of them.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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CERTIFICATE COURSE ON COMPUTER TROUBLE SHOOTING AND NETWORKING

Date of Introduction of the Course: 19.09.2018

The timings are 2.00 PM to 4: PM from Wednesday (AN) and Friday (AN).

Time Table& Lesson plan

CLASS	DATE	TOPIC
1,2	19-09-2018(AN)	**01. HARDWARE AND TROUBLE SHOOTING** Overview of H/W & S/W, network, internet, Operating system, Application program, File types & managing files, file backups, Common windows problem & troubleshooting.
3,4	21-09-2018(AN)	**02. WINDOWS MANAGEMENT** Windows problem:- After installation of new Software, Running slow, Running error.
5,6	26-09-2018(AN)	**03. ERROR HANDLING METHOD** Running error, Runtime error, dived error, windows program not responding, Restart without warning.
7,8	28-09-2018 (AN)	**04. BOOTING** Turn off without warning, freezing of windows, booting slow, win32 error. Fixing: Invalid page fault.
9,10	03-10-2018 (AN)	**05. SECURITY** Security-Viruses, Worms, Spam, E-Mail Virus, Securing pc, Boot device.
11,12	05-10-2018 (AN)	**06. BASIC CONCEPT OF NETWORKS** Basic network concepts, applications & uses of computer networks, different layers in networks, internet & web concepts, network security. .
13,14	10-10-2018 (AN)	**07. SOFTWARE AND HARDWARE NETWORKING** Software & hardware issues in networking, reference models, OSI, TCP, IP, UDP

15,16	**12-10-2018 (AN)**	**08. COMMUNICATION NETWORKING** Transmission medium wired communication, wireless communication.
17,18	**16-10-2018 (AN)**	**09. EVALUATION OF COMMUNICATION.** Satellite communication, PSTN-first generation, second generation, third generation.
19,20	**10-10-2018 (AN)**	**10. NETWORKING MEDIUM** Modern Network Techniques: Basic modern network mediums, basic modern Modem, Ethernet, Switch, Hub, Routers
21,22	**12-10-2010 (AN)**	**11. FIREWALLS** Internet Standardization, fire walls, proxy server, URI, URN, HTML, XML, HTTP Sockets.

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CERTIFICATE COURSE ON COMPUTER TROUBLE SHOOTING AND NETWORKING

Date of Introduction of the Course: 19.09.2018

School of Computing

Registered Students Name List

S.NO	REG.NO	NAME OF THE STUDENT	
1	U18CN167	GUNDA MANIDEEP .	
2	U18CN168	MAHANKALI RAHUL .	
3	U18CN169	ANUGANTI YASHWANTH SAI NIKHIL .	
4	U18CN170	MATTE SURYANARAYANA	
5	U18CN171	KANKATALA N V S SIVA SAI KIRAN	
6	U18CN172	RAMISETTY JAGADEESH KUMAR .	
7	U18CN173	KRISHNAKUMAR TARUNDEEP .	
8	U18CN174	VALLAMSETTI REVANTH .	
9	U18CN175	CHAMARTHI SAHIL	
10	U18CN177	MIZANUR RAHMAN .	
11	U18CN178	MOTHE VINOD .	
12	U18CN179	PADKANTI CHINNA REDDY .	
13	U18CN180	KATIPALLY VENKAT REDDY .	
14	U18CN181	YERRA MANISH .	
15	U18CN182	LAXMAPURAM SRINIVAS .	
16	U18CN183	PUTAKALA SURYA CHANDRA .	
17	U18CN184	JEEDI BHANU PRASAD .	
18	U18CN185	PABATHI SRIDHAR REDDY .	
19	U18CN186	ERIGINENI GURU PRASAD .	
20	U18CN187	VISHAL KUMAR	
21	U18CN188	GADUPUTI PRADEEP .	
22	U18CN189	LOKESHWARI G M .	
23	U18CN190	YETUKURI KUMARA SWAMY .	
24	U18CN191	SHAIK NAGUR BASHA .	
25	U18CN192	KOMMALAPATI BHARATH .	

26	U18CN193	NUKAPELLY MAHIPAL .	
27	U18CN194	Padala Akhilesh Reddy P	
28	U18CN195	THUMALA RAM REDDY .	
29	U18CN196	ALLAPULLA RAKESH REDDY .	
30	U18CN197	MD ALI .	
31	U18CN198	DONTHLA NITYANAND .	
32	U18CN199	EDIGA THRIVIKRAM GOWD .	
33	U18CN200	MANNE PAVAN SATYA SIDDHI KUMAR .	
34	U18CN202	PARIMI VENKAT RAO .	
35	U18CN203	SINGHU PAVAN KUMAR	
36	U18CN204	UMER YASEEN	
37	U18CN205	POTU CHANDU SREE CHOWDARY .	
38	U18CN206	SAMA INDRASENA REDDY .	
39	U18CN207	GUNTAMUKKALA BHARATHI .	
40	U18CN208	SAMA ARUN KUMAR GOUD .	
41	U18CN209	ROHITH JETTY .	
42	U18CN210	ORUGANTI RAHUL .	
43	U18CN211	VANJARI RAMESH	
44	U18CN212	TOTA SAI RAM	
45	U18CN213	KARIPE SHIVA KUMAR	

COURSE COORDINA

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COURSE FEEDBACK FORM

Academic Year		2018-19					
Term							
Course Number							
Course Title		Computer Trouble Shooting & Networking					
Number of Credits		-					
Type of Course	Regular		Elective		Add-on	✓	

I. Information on the Respondent: (Tick (√) Appropriately)

1. **Percentage of classes attended**

0-20		20-40		40-60		60-80	✓	80-100	

2. **Number of hours per week spent on the course (Other than lecture hours)**

0-2		2-4		4-6		6-8		8-10	✓

3. **Preparation for the course by the student:**

(i)	Have done part of this course earlier	NO
(ii)	Has adequate prior exposure to the prerequisites	NO
(iii)	Had to pickup relevant additional topics through concurrent study	Yes
(iv)	Have no exposure to the background material	NO

4. **The expectations for taking the course by the student are:**

(a)	Enhance by skill base in the area of specializations	Yes
(b)	Get exposed to a relevant subject	Yes
(c)	Curiosity	Yes
(d)	Better Employment Opportunity	Yes
(e)	Complete Course requirements	Yes
(f)	To Improve CGPA	Yes

About the Instructor: Information on the Respondent: (Tick (√) Appropriately)

		A	B	C	D	E
1.	Pace of the Teaching/lecture	✓				
2.	Comment of the Subject	✓				
3.	Clarity of expression	✓				
4.	Level of preparation		✓			
5.	Level of interaction	✓				
6.	Accessibility outside the class		✓			
7.	Others (please specify					

A: Excellent		B: Very Good		C: Good	✓	D: Satisfactory		E: Poor	

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COURSE FEEDBACK FORM

Academic Year		2018-19					
Term							
Course Number		–					
Course Title		Computer Forensic Shooting & networking.					
Number of Credits		–					
Type of Course	Regular		Elective		Add-on	✓	

I. Information on the Respondent: (Tick (√) Appropriately)

1. **Percentage of classes attended**

0-20		20-40		40-60		60-80	✓	80-100	

2. **Number of hours per week spent on the course (Other than lecture hours)**

0-2		2-4		4-6		6-8		8-10	✓

3. **Preparation for the course by the student:**

(i)	Have done part of this course earlier	NO
(ii)	Has adequate prior exposure to the prerequisites	NO
(iii)	Had to pickup relevant additional topics through concurrent study	YES
(iv)	Have no exposure to the background material	NO

4. **The expectations for taking the course by the student are:**

(a)	Enhance by skill base in the area of specializations	YES
(b)	Get exposed to a relevant subject	YES
(c)	Curiosity	YES
(d)	Better Employment Opportunity	YES
(e)	Complete Course requirements	YES
(f)	To Improve CGPA	

About the Instructor: Information on the Respondent: (Tick (√) Appropriately)

		A	B	C	D	E
1.	Pace of the Teaching/lecture	✓				
2.	Comment of the Subject	✓				
3.	Clarity of expression	✓				
4.	Level of preparation		✓			
5.	Level of interaction	✓				
6.	Accessibility outside the class		✓			
7.	Others (please specify					

A: Excellent		B: Very Good	✓	C: Good		D: Satisfactory		E: Poor	

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CERTIFICATE OF PARTICIPATION

This certificate is presented to

LOKESHWARI.G.M

For actively participating in the value added course "Computer Trouble Shooting and Networking" Conducted by School of Computing, BIHER from 19.09.2018 to 12.10.2018.

COURSE COORDINATORS

HEAD OF THE DEPARTMENT

DIRECTOR

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