



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org

website: www.egspec.org

Ph: 04365-251112

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSES

ACADEMIC YEAR

2017-2018

Name of the value added courses offered	Program	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Building A Cloud Computing Virtual Environment	UG	2	36 Hours	129	129
Web Designing	UG	2	36 Hours	136	136
Cryptology for Beginners	PG	1	40 Hours	23	23

Mchb

HOD/CSE
HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thothi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

**E.G.S. Pillay Engineering College (Autonomous),
Nagapattinam**

Department Of Computer Science & Engineering

Organized

ONE WEEK

VALUE ADDED COURSE

ON

**BUILDING A CLOUD COMPUTING
VIRTUAL ENVIRONMENT**

CONVENOR

**Dr. M. CHINNADURAI
PROF/HOD – CSE
EGSPEC**

COORDINATORS

**1. Dr.R.MANIVANNAN, ASP / CSE
2. Mrs.K.KALAIVANI, ASP/CSE
EGSPEC**

EGS PILLAY ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF CSE

Value Added Course on

“BUILDING A CLOUD COMPUTING VIRTUAL ENVIRONMENT”

TABLE OF CONTENT

S.No	Content	Page No.
1.	Requisition Letter	1
2.	Brochure	2-3
3.	Circular	4
4.	Program Schedule	5
5.	Syllabus	6
6.	Enrollment List	7 To 9
7.	Student Attendance	10 To 17
8.	Material	18 To 21
9.	Assessment Questions	22 To 29
10.	Sample Answer Sheet	30 To 37
11.	Mark Statement	38 To 40
12.	Impact Analysis Report with CO's & PO Mapping	41 To 46
13.	Feedback	47 To 48
14.	Course Summary Report	49
15.	Sample Certificates	50 To 53
16.	Sample Photo	54

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Nagapattinam (Dt) Tamil Nadu.**

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**HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002**

REQUISITION LETTER

Date: 29.05.2018

From

Dr.R.Manivannan,
Associate Professor/CSE,
Department of CSE,
E.G.S.Pillay Engineering College,
Nagapattinam.

To

The Principal,
E.G.S.Pillay Engineering College,
Nagapattinam.

Through

The Head of Department,
Department of CSE,
E.G.S.Pillay Engineering College,
Nagapattinam.

[Handwritten signature]
29/5/18

Respected Sir,

Sub: Value Added Course – Reg

We are happy to inform you that we have planned to organize one week value added course title on “**Building a Cloud Computing Virtual Environment**” for UG II Year CSE Students from 04.06.2018 to 09.06.2018 for Batch I & from 11.06.2018 to 16.06.2018 for Batch II. Herewith, I enclosed name list with batch and session details. Kindly give permission for conducting the value added course.

Thanking you,

yours faithfully,

[Handwritten signature]
[Dr.R.Manivannan]

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[Handwritten signature]
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Nagapattinam - 611 002

VIRTUAL AUGMENTED COURSE ON

Building A Cloud Computing Virtual Environment

Date

June 4th - 9th, 2018

&

June 11th - 16 th, 2018

6: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

1: The ability to apply software engineering principles and practices to design and develop software systems that meet the automation needs of industrial and societal problems.

2: The ability to apply their technical skills and knowledge gained in the fields such as Artificial Intelligence, Data Science, Cloud Computing, Social Network Analysis and Mobile Application development.

PROGRAM OUTCOMES

1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate considerations for the public health and safety, and the cultural, societal, and environmental considerations.

4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an



Organized by:

Department of Computer Science and Engineering

at



E.G.S. PILLAY ENGINEERING COLLEGE
(AUTONOMOUS)

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Accredited by NAAC with 'A' Grade & NBA
Old Nagore Road, Thethi, Nagercoil - 611002, Tamil Nadu, India

Certificate will be issued to all participants
on successful completion of this course

Convenor

Prof.Dr.M.CHINNADURAI

Professor & Head / CSE

Course Coordinators

Dr.R.MANIVANNAN

ASSOCIATE PROFESSOR / CSE

&

Mrs.K.KALAIVANI

ASSOCIATE PROFESSOR / CSE

Dr.S.RAMIA DALAN, M.E., Ph.D.

Resource Person

E.G.S. Pillay Engineering College

Tiruchirappalli - 611 002.

Nagapattinam (by Train)

Prof.J.NOORUL AMEEN

ASSISTANT PROFESSOR / CSE

Course Duration

36 Hours

Building A Cloud Computing Infrastructure Course Overview

This course introduces you to the core concepts of cloud computing. You gain the foundational knowledge required for understanding cloud computing from a business perspective as also for becoming a cloud practitioner. You understand the definition and essential characteristics of cloud computing, its history, the business case for cloud computing, and emerging technology usecases enabled by cloud. We introduce you to some of the prominent service providers of our times (e.g. AWS, Google, IBM, Microsoft, etc.) the services they offer, and look at some case studies of cloud computing across industry verticals.

You learn about the various cloud service models (IaaS, PaaS, SaaS) and deployment models (Public, Private, Hybrid) and the key components of a cloud infrastructure (VMs, Networking, Storage - File, Block, Object, CDN). We also cover emergent cloud trends and practices including - Hybrid Multicloud, Microservices, Serverless, DevOps, Cloud Native and Application Modernization. And we go over the basics of cloud security, monitoring, and different job roles in the cloud industry.

Even though this course does not require any prior cloud computing or programming experience, by the end of the course, you will have gained some hands-on experience by provisioning a cloud service and working with it.

1. Explore the basics of cloud computing.
2. Explain the Cloud Mechanisms
3. Explore Cloud Technologies
4. Manage the Cloud infrastructure and services.

COURSE CONTENT

MODULE I:

CLOUD COMPUTING BASICS

Cloud Computing overview - Cloud Technologies - Cloud Computing Architecture - Cloud Computing Infrastructure - Cloud Deployment Models - Cloud Service Models

MODULE II:

CLOUD INFRASTRUCTURE MECHANISMS

Logical Network Perimeter - Virtual Server - Cloud storage Device - Cloud Usage Monitor - Resource Replication - Ready Made Environment

MODULE III:

TECHNOLOGIES IN CLOUD ENVIRONMENT

Configuration Management - Build & Release-Key-Value Pair Store-Image Building - Debugging, Logging, and Monitoring for Containerized Applications

MODULE IV:

CLOUD COMPUTING MANAGEMENT

Defining Cloud Management - Management Responsibilities - Managing Desktop and Services - Life cycle Management - Emerging Cloud Management Standards - Managing the risks

**E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM.
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

EGSPEC/CSE/UG/VAC/2017-18/02

Date: 01.06.2018

CIRCULAR

It is to inform that Department of Computer Science and Engineering is going to organize a Value Added Course on “**Building a Cloud Computing Virtual Environment**” from 04.06.2018 to 09.06.2018 for Batch I and from 11.06.2018 to 16.06.2018 for Batch II (36 hours/Batch) by, **Mr.J.NoorulAmeen**, Assistant Professor, Department of Computer Science and Engineering, E.G.S.Pillay Engineering College (Autonomous), Nagapattinam for the benefits of II year CSE Students. All the enrolled students are instructed to attend the course without fail.

Timings: 9:15 am – 4:45 pm

Venue: GGB – CC1 Lab


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**E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM.
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Value Added Course on “Building A Cloud Computing Virtual Environment”

PROGRAMME SCHEDULE

S. NO	DAY	DATE BATCH 1	DATE BATCH 2	TOPIC
1	DAY 1	04.06.2018	11.06.2018	Cloud Computing overview, Cloud Technologies, Cloud Computing Architecture, Cloud Computing Infrastructure, Cloud Deployment Models
2	DAY 2	05.06.2018	12.06.2018	Cloud Service Models, Logical Network Perimeter, Virtual Server, Cloud storage Device, Cloud Usage Monitor
3	DAY 3	06.06.2018	13.06.2018	Resource Replication, Ready Made Environment, Configuration Management, Build & Release, Key-Value Pair Store, Image Building
4	DAY 4	07.06.2018	14.06.2018	Debugging, Logging, and Monitoring for Containerized Applications, Defining Cloud Management, Management Responsibilities, Managing Desktop and Services
5	DAY 5	08.06.2018	15.06.2018	Life cycle Management, Emerging Cloud Management Standards, Managing the risks
6	DAY 6	09.06.2018	16.06.2018	Practical Sessions on Cloud Infrastructure and Virtualization. Assessment Test

BREAK TIMINGS:

Tea Break : 10:45-11:00 am & 3:30-3:45 pm

Lunch Break: 1:00- 2:00 pm

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SYLLABUS

VALUE ADDED COURSE ON BUILDING A CLOUD COMPUTING VIRTUAL ENVIRONMENT		
COURSE OBJECTIVES:		
	1. Understand the Basics of Cloud Computing	
	2. Understand Cloud Infrastructure Mechanisms and Tools	
	3. Describe Cloud Management	
Module I	CLOUD COMPUTING BASICS	9 Hours
Cloud Computing overview- Cloud Technologies- Cloud Computing Architecture – Cloud Computing Infrastructure – Cloud Deployment Models – Cloud Service Models		
Module II	CLOUD INFRASTRUCTURE MECHANISMS	9 Hours
Logical Network Perimeter – Virtual Server – Cloud storage Device – Cloud Usage Monitor – Resource Replication - Ready Made Environment		
Module III	TECHNOLOGIES IN CLOUD ENVIRONMENT	9 Hours
Configuration Management - Build & Release-Key-Value Pair Store-Image Building- Debugging, Logging, and Monitoring for Containerized Applications		
Module IV	CLOUD COMPUTING MANAGEMENT	9 Hours
Defining Cloud Management – Management Responsibilities – Managing Desktop and Services – Life cycle Management –Emerging Cloud Management Standards – Managing the risks		
		Total: 36 Hours
FURTHER READING :		
	Cloud Evolution - Classic Data Center (CDC) - Virtualized Data Center (VDC) – Business Continuity	
COURSE OUTCOMES:		
	After completion of the course, Student will be able to	
CO1	Explore the basics of cloud computing.	
CO2	Explain the Cloud Mechanisms	
CO3	Explore Cloud Technologies	
CO4	Manage the Cloud infrastructure and services.	
REFERENCES:		
1. Cloud Infrastructure and Services EMC2 Bangalore Book		
2. Anthony T Velte, Cloud Computing: A practical Approach, Tata McGraw Hill, 2011		
3. Halper Fern, Kaufman Marcia, Bloor Robin, Hurwit Judith, Cloud Computing for Dummies, Wiley India, 2013		

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(Signature)
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E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM

DEPARTMENT OF CSE

VALUE ADDED COURSE ON

“BUILDING A CLOUD COMPUTING VIRTUAL ENVIRONMENT”

ENROLLMENT LIST

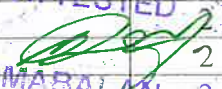
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1.	820816104001	AAKASH A	1
2.	820816104002	AARTHI M	1
3.	820816104003	ABINAYA K	1
4.	820816104004	ABINAYA M D	1
5.	820816104005	AJITH KUMAR S	1
6.	820816104006	ANANTHI S	1
7.	820816104007	ANUSHA S	1
8.	820816104008	ANUSUYA A	1
9.	820816104009	ANUSUYA R	1
10.	820816104010	ARAVINDH N	1
11.	820816104011	ASHWIN G	1
12.	820816104012	ASWINI M	1
13.	820816104013	BALASURYA N	1
14.	820816104014	BAVITHRA R	1
15.	820816104015	BIRUNDHA M	1
16.	820816104016	BISMIL HUDHA S	1
17.	820816104017	DEVI V	1
18.	820816104018	DHARMARAJA S	1
19.	820816104019	DHEEPTHI R	1
20.	820816104020	DHIVANI G	1
21.	820816104021	DHIVYABHARADHI B	1
22.	820816104022	DHIVYADHARSHINI T	1
23.	820816104023	DURAIARASAN S	1
24.	820816104024	GAYATHRI G	1
25.	820816104025	GAYATHRI M (20-09-1998)	1
26.	820816104026	GAYATHRI M (19-12-1998)	1
27.	820816104027	GIRIJA S	1
28.	820816104028	HARINISHRI P	1
29.	820816104029	HEMALATHA G	1
30.	820816104030	ISHWARYA M	1
31.	820816104031	JANARDANI K	1
32.	820816104032	JAYACHANDRAN R	1
33.	820816104033	JAYAKANTH J	1
34.	820816104034	JAYAMUKESH R	1
35.	820816104035	JAYASREE R	1
36.	820816104036	KAMALI S	1
37.	820816104037	KARUTHAMMA P	1
38.	820816104038	KAVIYARASAN S	1

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39.	820816104039	KAYALVIZHI D	1
40.	820816104040	KAYALVIZHI E	1
41.	820816104041	KEERTHANA B	1
42.	820816104042	KIRUBA S	1
43.	820816104043	KOWSAKI M	1
44.	820816104044	KUMARESAN M	1
45.	820816104045	MADHURABASHINI K	1
46.	820816104046	MANIMOZHI D	1
47.	820816104047	MANISHA M	1
48.	820816104048	MANJUPARKAVI P	1
49.	820816104049	MANOSEELAN G	1
50.	820816104050	MATHUMATHI R	1
51.	820816104051	METHANRAJ S	1
52.	820816104052	MOHAMEDIBRAHIMSHAIBUMARIKYAR N	1
53.	820816104053	MOHAMED SHAIK ALAWUDEEN A	1
54.	820816104054	MONIKA M	1
55.	820816104055	NANDHINI R	1
56.	820816104056	NAVEENAJAGADESWARI D	1
57.	820816104057	NISHANTHINI G	1
58.	820816104058	NITHESH E	1
59.	820816104059	NITHYAPRIYA A	1
60.	820816104060	NITHYAPRIYA R	1
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62.	820816104062	NIVETHA S	1
63.	820816104063	PARIMALA S	1
64.	820816104064	PARKAVI S	1
65.	820816104065	PAVITHRA S	1
66.	820816104066	PRAGATHI J	2
67.	820816104067	PRAMILA R	2
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81.	820816104082	RAMYA T	2
82.	820816104083	RETHINAKUMARI P	2
83.	820816104084	ROSHINI G	2
84.	820816104085	SALOMIYA R	2
85.	820816104086	SANGEETHA J	2
86.	820816104087	SANGEETHA R	2

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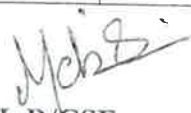
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92.	820816104093	SATHYA R	2
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106.	820816104107	SUMITHA P	2
107.	820816104109	SURYAPRAKASH T	2
108.	820816104111	TAMIZHMOZHI T	2
109.	820816104112	THASLEEMA NAZREEN M	2
110.	820816104113	UDHAYASURYA C	2
111.	820816104114	VATTHEESWARI M	2
112.	820816104115	VANITHA G	2
113.	820816104116	VARSHA G	2
114.	820816104117	VARSHINI M	2
115.	820816104118	VARSHINI V	2
116.	820816104119	VASUMATHI T	2
117.	820816104120	VENKADESHWARAN S	2
118.	820816104121	VICHITHRA B	2
119.	820816104122	VIJAYASRI P	2
120.	820816104123	VINOLIYA G	2
121.	820816104124	VISITHIRAGOTHAIR	2
122.	820816104125	YOGESWARI A	2
123.	820816104126	YUVARAJA P	2
124.	820816104301	ABINASH P	2
125.	820816104302	ARUNKUMAR R	2
126.	820816104309	MAGESHWARI M	2
127.	820816104310	SRIMATHI M	2
128.	820816104701	SINDHUJA R	2
129.	820816104702	THIPAK MANJREKAR K	2


Course Coordinators

ATTESTED


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E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


(Academic Year: 2017-2018)


VALUE ADDED COURSE ON "BUILDING A CLOUD COMPUTING VIRTUAL ENVIRONMENT"

STUDENT ATTENDANCE SHEET

Batch : 1

Date : 04.06.2018 – 09.06.2018

S.No	Register Number	Name of Student	04.06.18		05.06.18		06.06.18		07.06.18		08.06.18		09.06.18	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	820816104001	AAKASH A	P	P	P	P	P	P	P	P	P	P	P	P
2.	820816104002	AARTHI M	P	P	P	P	P	AB	AB	P	P	P	P	P
3.	820816104003	ABINAYA K	P	P	P	P	P	P	P	P	P	P	P	P
4.	820816104004	ABINAYA M D	P	P	P	P	P	P	P	P	P	P	P	P
5.	820816104005	AJITH KUMAR S	P	P	P	P	P	P	P	P	P	P	P	P
6.	820816104006	ANANTHI S	P	P	P	P	P	P	P	P	P	P	P	P
7.	820816104007	ANUSHA S	P	P	P	P	P	P	P	P	P	P	P	P
8.	820816104008	ANUSUYA A	AB	AB	P	P	P	P	P	P	P	P	P	P
9.	820816104009	ANUSUYA R	AB	AB	P	P	P	P	P	P	P	P	P	P
10.	820816104010	ARAVINDH N	ATTESTED  Dr. S. RAMAKRISHNAN, M.E., PH.D., PRINCIPAL											
11.	820816104011	ASHWIN G	E.G.S. Pillay Engineering College, Thethi, Nagore - 611 002.											
12.	820816104012	ASWINI M	Nagapattinam (Dt) Tamil Nadu.											


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13.	820816104013	BALASURYA N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
14.	820816104014	BAVITHRA R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
15.	820816104015	BIRUNDHA M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
16.	820816104016	BISMIL HUDHA S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
17.	820816104017	DEVI V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
18.	820816104018	DHARMARAJA S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
19.	820816104019	DHEEPHI R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
20.	820816104020	DHIVANI G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
21.	820816104021	DHIVYABHARADHI B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
22.	820816104022	DHIVYADHARSHINI T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
23.	820816104023	DURAIARASAN S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
24.	820816104024	GAYATHRI G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
25.	820816104025	GAYATHRI NAMABALAN, M.E., Ph.D.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
26.	820816104026	GAYATHRI, M. PRINCIPAL Thethi, Nagore - 611 002.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
27.	820816104027	GIRIJA Nagapattinam (by Tamil Nadu.	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
28.	820816104028	HARINISHRI P	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
29.	820816104029	HEMALATHA G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30.	820816104030	ISHWARYA M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31.	820816104031	JANARDANI K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32.	820816104032	JAYACHANDRAN R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33.	820816104033	JAYAKANTH J	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

ATTESTED

GAYATHRI NAMABALAN, M.E., Ph.D.
PRINCIPAL
Thethi, Nagore - 611 002.

(Signature)

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34.	820816104034	JAYAMUKESH R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
35.	820816104035	JAYASREE R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36.	820816104036	KAMALI S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	AB	AB	AB	AB	AB	P
37.	820816104037	KARUTHAMMA P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38.	820816104038	KAVIYARASAN S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39.	820816104039	KAYALVIZHI D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40.	820816104040	KAYALVIZHI E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41.	820816104041	KEERTHANA B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42.	820816104042	KIRUBA S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43.	820816104043	KOWSAKI M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44.	820816104044	KUMARESAN M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45.	820816104045	MADHURABASHINI K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46.	820816104046	MANIMOZHI D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47.	820816104047	MANISHA M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48.	820816104048	MANJUPARKAVI P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
49.	820816104049	MANOSEELAN G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50.	820816104050	MATHUMATHI R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
51.	820816104051	METHANRAJ S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
52.	820816104052	MOHAMEDIBRAHIMSHAIBUMARIKAR N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
53.	820816104053	MOHAMEDIBRAHIMSHAIBUMARIKAR N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54.	820816104054	Pr. S. RAJAPRASAN. M.E., Ph.D.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
55.	820816104055	Pr. S. RAJAPRASAN. M.E., Ph.D.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
		MONIKA M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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Nagapattinam (Dt) Tamil Nadu.

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Nagapattinam - 611 002



55.	820816104055	NANDHINI R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
56.	820816104056	NAVEENAJAGADESWARID	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
57.	820816104057	NISHANTHINI G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
58.	820816104058	NITHESH E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
59.	820816104059	NITHYAPRIYA A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
60.	820816104060	NITHYAPRIYA R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
61.	820816104061	NIVETHA B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
62.	820816104062	NIVETHA S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
63.	820816104063	PARIMALA S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
64.	820816104064	PARKAVI S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
65.	820816104065	PAVITHRA S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
Total Present			62	62	61	61	64	63	65	65	60	60	60	65	65	65	65	
Total Absent			03	03	04	02	02	02	02	02	02	02	02	02	02	02	02	02
Course Coordinator Signature																		

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Nagapattinam - 611 002

ATTESTED

Dr. S. RAMAKALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Tiruchi Nagarpetre - 611 002,
Nagapattinam (Dt) Tamil Nadu.

E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year: 2017-2018)

VALUE ADDED COURSE ON "BUILDING A CLOUD COMPUTING VIRTUAL ENVIRONMENT"

STUDENT ATTENDANCE SHEET

Batch : 2

Date : 11.06.2018 – 16.06.2018

S.No	Register Number	Name of Student	11.06.18		12.06.18		13.06.18		14.06.18		15.06.18		16.06.18	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	820816104066	PRAGATHI J	/	/	/	/	/	/	/	/	/	/	/	/
2.	820816104067	PRAMILA R	/	/	/	/	/	/	/	/	/	/	/	/
3.	820816104068	PRASANTH M	/	/	/	/	/	/	/	/	/	/	/	/
4.	820816104069	PREETHINISHA K	/	/	/	/	/	/	/	/	/	/	/	/
5.	820816104070	PRIYA A	/	/	AB	AB	/	/	/	/	/	/	/	/
6.	820816104071	PRIYADHARSHINI A	/	/	/	/	/	/	/	/	AB	AB	/	/
7.	820816104072	PRIYADHARSHINI M	/	/	/	/	/	/	/	/	/	/	/	/
8.	820816104074	PRIYADHARSHINI T	/	/	/	/	/	/	/	/	/	/	/	/
9.	820816104075	PUSHPALATHA P	/	/	/	/	/	/	/	/	/	/	/	/
10.	820816104076	RAJASUNDARI M	/	/	/	/	/	/	/	/	/	/	/	/
11.	820816104077	RAJESWARIR	/	/	/	/	/	/	AB	AB	/	/	/	/
12.	820816104078	RAJITHA R	/	/	/	/	/	/	/	/	/	/	/	/

Dr. S. RAMA BALAN, M.E., Ph.D.
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13.	820816104079	RAMEEZ THARIQ A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14.	820816104080	RAMPRAKASH S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	820816104081	RAMPRASATH T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	820816104082	RAMYA T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	820816104083	RETHINAKUMARI P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	820816104084	ROSHNI G	/	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/
19.	820816104085	SALOMIYA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	820816104086	SANGEETHA J	/	/	/	/	/	/	/	/	/	/	AB	AB	/	/	/	/	/
21.	820816104087	SANGEETHA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	820816104088	SANTHIYA A	/	/	/	/	/	/	/	/	/	/	AB	AB	/	/	/	/	/
23.	820816104089	SANTHIYA G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	820816104090	SARANYA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	820816104091	SATHANA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	820816104092	SATHISH S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	820816104093	SATHYA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	820816104094	SHIBA B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	820816104095	SILAMBARASI B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	820816104096	SIVASANGARI K	/	/	/	/	/	/	/	/	/	/	/	/	AB	AB	/	/	/
31.	820816104097	SRILEKA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
32.	820816104098	STEFFYGRAFF M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
33.	820816104099	PHILSUBA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Dr. S. RAMARAJU
 PRINCIPAL

E.G.S. Pillay Engineering College,
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34.	820816104100	SUBASHINI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
35.	820816104101	SUBASHRI T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36.	820816104102	SUBASREE P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37.	820816104103	SUBASRI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38.	820816104104	SUBULAKSHMI K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39.	820816104105	SUGANTHI A	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40.	820816104106	SUGUNA G	/	/	/	/	/	/	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41.	820816104107	SUMITHA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42.	820816104109	SURYAPRAKASH T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43.	820816104111	TAMIZMOZHI T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44.	820816104112	THASLEEMA NAZREEN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45.	820816104113	UDHAYASURYA C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46.	820816104114	VAITHEESWARI M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
47.	820816104115	VANITHA G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
48.	820816104116	VARSHA G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
49.	820816104117	VARSHINI M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
50.	820816104118	VARSHINI V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
51.	820816104119	VASUMATHI T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
52.	820816104120	VICTOR KENKESHARAN S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
53.	820816104121	VICHITHRA B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
54.	820816104122	Dr. S. RAMABALAN, M.E., Ph.D., 82081610422, DR. C. PALANIVIJAYASRI P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

E.G.S. Pillay Engineering College,

Thethi Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.

55.	820816104123	VINOLIYA G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
56.	820816104124	VISITHIRAGOTHAI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
57.	820816104125	YOGESWARI A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
58.	820816104126	YUVARAJA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59.	820816104301	ABINASH P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
60.	820816104302	ARUNKUMAR R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
61.	820816104309	MAGESHWARI M	/	/	/	/	/	/	/	/	/	/	/	/	A.B	A.B	/
62.	820816104310	SRIMATHI M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
63.	820816104701	SINDHUJA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
64.	820816104702	THIPAK MANJREKAR K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Total Present	63	63	62	62	64	64	60	60	60	60	60	59	64	64	64
		Total Absent	01	01	02	02	—	—	4	4	4	4	5	—	—	—	—
		Course Coordinator Signature															

ATTESTED



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Theethi, Nagore - 611 002.
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DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

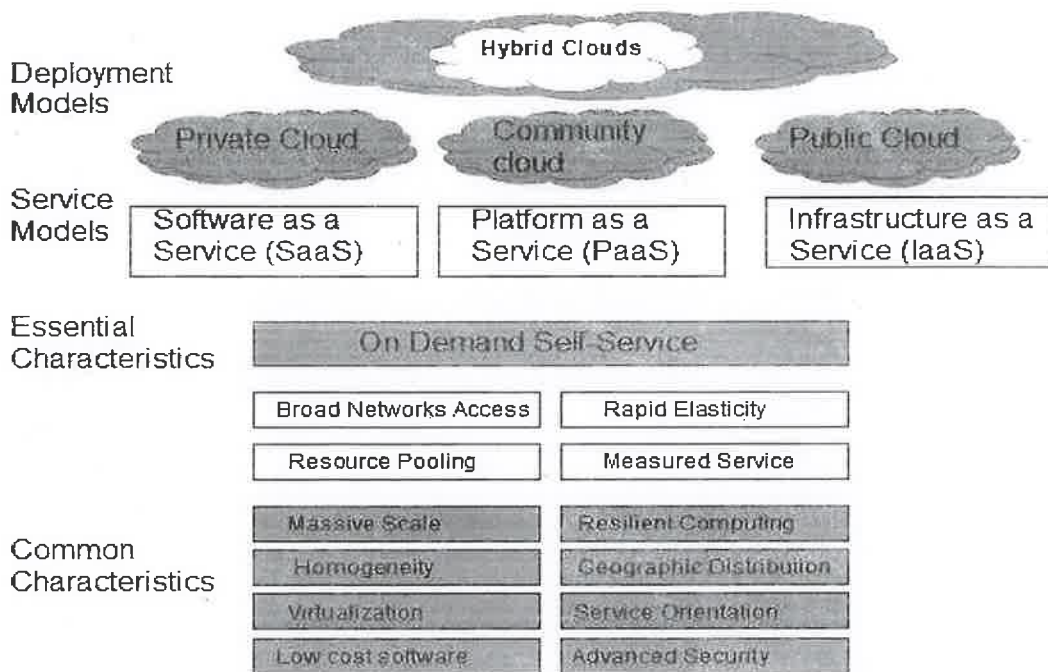
MATERIAL
MODULE – 1
CLOUD COMPUTING BASICS

Cloud Computing

A model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., servers, storage, networks, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.

Essential Cloud Characteristics

- On-demand self-service
- Broad network access
- Resource pooling
- Rapid elasticity
- Measured service
- Building Cloud Infrastructure



On Demand Self Service

Cloud Computing allows the users to use web services and resources on demand. One can logon to a website at any time and use them.

Broad Network Access

Since cloud computing is completely web based, it can be accessed from anywhere and at any time.

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Resource Pooling

Cloud computing allows multiple tenants to share a pool of resources. One can share single physical instance of hardware, database and basic infrastructure.

Rapid Elasticity

It is very easy to scale the resources vertically or horizontally at any time. Scaling of resources means the ability of resources to deal with increasing or decreasing demand.

The resources being used by customers at any given point of time are automatically monitored.

Measured Service

In this service cloud provider controls and monitors all the aspects of cloud service. Resource optimization, billing, and capacity planning etc. depend on it.

Basic Concepts

There are certain services and models working behind the scene making the cloud computing feasible and accessible to end users. Following are the working models for cloud computing:

- Deployment Models
- Service Models

Deployment Models

Deployment models define the type of access to the cloud, i.e., how the cloud is located? Cloud can have any of the four types of access: Public, Private, Hybrid, and Community.

A. Public Cloud

The **public cloud** allows systems and services to be easily accessible to the general public. Public cloud may be less secure because of its openness.

B. Private Cloud

The **private cloud** allows systems and services to be accessible within an organization. It is more secured because of its private nature.

C. Community Cloud

The **community cloud** allows systems and services to be accessible by a group of organizations.

D. Hybrid Cloud

The **hybrid cloud** is a mixture of public and private cloud, in which the critical activities are performed using private cloud while the non-critical activities are performed using public cloud.

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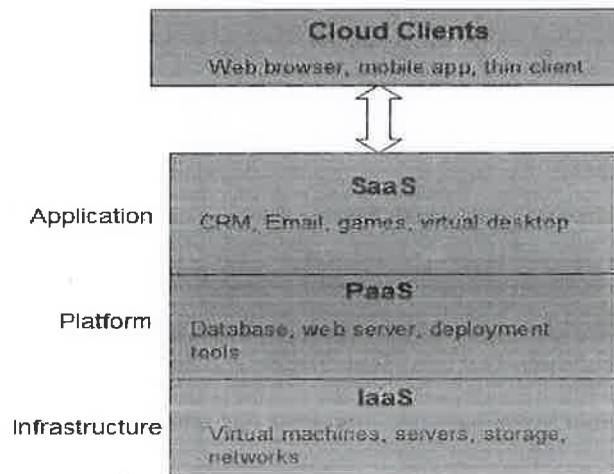
Service Models

Cloud computing is based on service models. These are categorized into three basic service models which are -

- Infrastructure-as-a-Service (IaaS)
- Platform-as-a-Service (PaaS)
- Software-as-a-Service (SaaS)

Anything-as-a-Service (XaaS) is yet another service model, which includes Network-as-a-Service, Business-as-a-Service, Identity-as-a-Service, Database-as-a-Service or Strategy-as-a-Service.

The **Infrastructure-as-a-Service (IaaS)** is the most basic level of service. Each of the service models inherit the security and management mechanism from the underlying model, as shown in the following diagram:



Infrastructure-as-a-Service (IaaS)

IaaS provides access to fundamental resources such as physical machines, virtual machines, virtual storage, etc.

Platform-as-a-Service (PaaS)

PaaS provides the runtime environment for applications, development and deployment tools, etc.

Software-as-a-Service (SaaS)

SaaS model allows to use software applications as a service to end users.

Benefits

Cloud Computing has numerous advantages. Some of them are listed below

- One can access applications as utilities, over the Internet.
- One can manipulate and configure the applications online at any time.

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- It does not require to install a software to access or manipulate cloud application.
- Cloud Computing offers online development and deployment tools, programming runtime environment through **PaaS model**.
- Cloud resources are available over the network in a manner that provide platform independent access to any type of clients.
- Cloud Computing offers **on-demand self-service**. The resources can be used without interaction with cloud service provider.
- Cloud Computing is highly cost effective because it operates at high efficiency with optimum utilization. It just requires an Internet connection
- Cloud Computing offers load balancing that makes it more reliable.

Risks related to Cloud Computing

Although cloud Computing is a promising innovation with various benefits in the world of computing, it comes with risks. Some of them are discussed below:

Security and Privacy

It is the biggest concern about cloud computing. Since data management and infrastructure management in cloud is provided by third-party, it is always a risk to handover the sensitive information to cloud service providers.

Although the cloud computing vendors ensure highly secured password protected accounts, any sign of security breach may result in loss of customers and businesses.

Lock In

It is very difficult for the customers to switch from one **Cloud Service Provider (CSP)** to another. It results in dependency on a particular CSP for service.

Isolation Failure

This risk involves the failure of isolation mechanism that separates storage, memory, and routing between the different tenants.

Management Interface Compromise

In case of public cloud provider, the customer management interfaces are accessible through the Internet.

Insecure or Incomplete Data Deletion

It is possible that the data requested for deletion may not get deleted. It happens because either of the following reasons

- Extra copies of data are stored but are not available at the time of deletion
- Disk that stores data of multiple tenants is destroyed.

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DEPARTMENT OF CSE**

VALUE ADDED COURSE ON

“BUILDING A CLOUD COMPUTING VIRTUAL ENVIRONMENT”

FROM 04/06/2018 TO 09/06/2018

Assessment Questions – SET 1

Multiple Choice Questions (20*1 = 20)

1. What is Cloud Computing?
 - a) Cloud Computing means providing services like storage, servers, database, networking, etc
 - b) Cloud Computing means storing data in a database
 - c) Cloud Computing is a tool used to create an application
 - d) None of the mentioned

2. Which of the following is not a type of cloud server?
 - a) Public Cloud Servers
 - b) Private Cloud Servers
 - c) Dedicated Cloud Servers
 - d) Merged Cloud Servers

3. Which of the following are the features of cloud computing?
 - a) Security
 - b) Availability
 - c) Large Network Access
 - d) All of the mentioned

4. Which of the following is a type of cloud computing service?
 - a) Service-as-a-Software (SaaS)
 - b) Software-and-a-Server (SaaS)
 - c) Software-as-a-Service (SaaS)
 - d) Software-as-a-Server (SaaS)

5. Applications and services that run on a distributed network using virtualized resources is known as _____
 - a) Parallel computing
 - b) Soft computing
 - c) Distributed computing
 - d) Cloud computing

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6. Which of the following is an example of an IaaS Cloud service?
 - a) DigitalOcean
 - b) Linode
 - c) Rackspace
 - d) All of the above

7. Point out the wrong statement.
 - a) Azure enables .NET Framework applications to run over the Internet
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8. Which of the following is another name for the system virtual machine?
 - a) hardware virtual machine
 - b) software virtual machine
 - c) real machine
 - d) none of the mentioned

9. Which of the following is Type 1 Hypervisor?
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 - b) Virtual Server 2005 R2
 - c) KVM
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11. Which of the following visualization is most commonly achieved through a mapping mechanism where a logical storage address is translated into a physical storage address?
 - a) Storage
 - b) Network
 - c) Software
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12. Which one of the following cloud concepts is related to sharing and pooling the resources?
 - a) Polymorphis
 - b) Virtualization
 - c) Abstraction
 - d) None of the mentioned

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- a) CDMI
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18. The Open Cloud Computing Interface Group (OCCI), formed in the year
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19. Which search engine uses heavy cloud processing to bring detailed searches to handheld device

- a) Microsoft's mobile phone
- b) Picnik
- c) Evernote
- d) Jooce

20. Which of the following organization supports the development of standards for cloud computing?

- a) OCP
- b) OCC
- c) OPC
- d) PCO

Answer:

1	2	3	4	5	6	7	8	9	10
a	d	d	c	d	d	c	a	d	b
11	12	13	14	15	16	17	18	19	20
a	b	a	d	a	a	a	a	a	c

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DEPARTMENT OF CSE**

VALUE ADDED COURSE ON

“BUILDING A CLOUD COMPUTING VIRTUAL ENVIRONMENT”

FROM 11/06/2018 TO 16/06/2018

Assessment Questions – SET 2

Multiple Choice Questions (20*1 = 20)

1. Who is the father of cloud computing?
 - a) Sharon B. Codd
 - b) Edgar Frank Codd
 - c) J.C.R. Licklider
 - d) Charles Bachman

2. Which of the following is an example of a PaaS cloud service?
 - a) Heroku
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 - a) Public Cloud Servers
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5. Which of the following is the correct statement about cloud computing?
 - a) Cloud computing abstracts systems by pooling and sharing resources
 - b) Cloud computing is nothing more than the Internet
 - c) The use of the word “cloud” makes reference to the two essential concepts
 - d) All of the mentioned

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6. Which architectural layer is used as a backend in cloud computing?
 - a) cloud
 - b) soft
 - c) client
 - d) all of the mentioned

7. What type of computing technology refers to services and applications that typically run on a distributed network through virtualized resources?
 - a) Distributed Computing
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 - c) Soft Computing
 - d) Parallel Computing

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9. Which one of the following can be considered as a utility is a dream that dates from the beginning of the computing industry itself?
 - a) Computing
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- ~~10.~~ Which one of the following refers to the non-functional requirements like disaster recovery, security, reliability, etc.
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 - b) Quality of service
 - c) Plan Development
 - d) Technical Service

11. Which one of the following is related to the services provided by Cloud?
 - a) Sourcing
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12. In how many parts we can broadly divide the architecture of the Cloud?
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20. Which one of the following is a type of infrastructure as a service?

- a) EC2
- b) EC1
- c) EC10
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Answer:

1	2	3	4	5	6	7	8	9	10
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**VALUE ADDED COURSE ON
“BUILDING A CLOUD COMPUTING VIRTUAL ENVIRONMENT”**

FROM 04/06/2018 TO 09/06/2018

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19
20



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EGS Pillay Engineering College, Nagapattinam			
Department of CSE			
Academic Year : 2017-2018			
Value added course on BUILDING A CLOUD COMPUTING VIRTUAL ENVIRONMENT			
Batch: 2016-2020			
Mark Sheet			
S. No	Register Number	Name	Marks
1.	820816104001	AAKASH A	17
2.	820816104002	AARTHI M	18
3.	820816104003	ABINAYA K	19
4.	820816104004	ABINAYA M D	18
5.	820816104005	AJITH KUMAR S	18
6.	820816104006	ANANTHI S	17
7.	820816104007	ANUSHA S	18
8.	820816104008	ANUSUYA A	19
9.	820816104009	ANUSUYA R	15
10.	820816104010	ARAVINDH N	16
11.	820816104011	ASHWIN G	19
12.	820816104012	ASWINI M	16
13.	820816104013	BALASURYA N	18
14.	820816104014	BAVITHRA R	17
15.	820816104015	BIRUNDHA M	18
16.	820816104016	BISMIL HUDHA S	17
17.	820816104017	DEVI V	16
18.	820816104018	DHARMARAJA S	15
19.	820816104019	DHEEPHI R	18
20.	820816104020	DHIVANI G	19
21.	820816104021	DHIVYABHARADHI B	15
22.	820816104022	DHIVYADHARSHINI T	17
23.	820816104023	DURAIARASAN S	15
24.	820816104024	GAYATHRI G	17
25.	820816104025	GAYATHRI M	17
26.	820816104026	GAYATHRI M	18
27.	820816104027	GIRIJA S	19
28.	820816104028	HARINISHRI P	17
29.	820816104029	HEMALATHA G	18
30.	820816104030	ISHWARYA M	18
31.	820816104031	JANARDANI K	18
32.	820816104032	JAYACHANDRAN R	19
33.	820816104033	JAYAKANTH J	15
34.	820816104034	JAYAMUKESH R	16
35.	820816104035	JAYASREE R	19
36.	820816104036	KAMALI S	16
37.	820816104037	KARUTHAMMA P	19
38.	820816104038	KAVIYARASAN S	17
39.	820816104039	KAYALVIZHI D	18

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40.	820816104040	KAYALVIZHI E	18
41.	820816104041	KEERTHANA B	16
42.	820816104042	KIRUBA S	15
43.	820816104043	KOWSAKI M	18
44.	820816104044	KUMARESAN M	19
45.	820816104045	MADHURABASHINI K	15
46.	820816104046	MANIMOZHI D	18
47.	820816104047	MANISHA M	15
48.	820816104048	MANJUPARKA VI P	17
49.	820816104049	MANOSEELAN G	18
50.	820816104050	MATHUMATHI R	18
51.	820816104051	METHANRAJ S	19
52.	820816104052	MOHAMEDIBRAHIMSHAIBUMARIKYAR N	19
53.	820816104053	MOHAMED SHAIK ALAWUDEEN A	18
54.	820816104054	MONIKA M	17
55.	820816104055	NANDHINI R	18
56.	820816104056	NAVEENAJAGADESWARI D	19
57.	820816104057	NISHANTHINI G	15
58.	820816104058	NITHESH E	16
59.	820816104059	NITHYAPRIYA A	19
60.	820816104060	NITHYAPRIYA R	16
61.	820816104061	NIVETHA B	19
62.	820816104062	NIVETHA S	17
63.	820816104063	PARIMALA S	18
64.	820816104064	PARKA VI S	17
65.	820816104065	PAVITHRA S	16
66.	820816104066	PRAGATHI J	15
67.	820816104067	PRAMILA R	18
68.	820816104068	PRASANTH M	18
69.	820816104069	PREETHINISHA K	15
70.	820816104070	PRIYA A	17
71.	820816104071	PRIYADHARSHINI A	15
72.	820816104072	PRIYADHARSHINI M	17
73.	820816104074	PRIYADHARSHINI T	19
74.	820816104075	PUSHPALATHA P	17
75.	820816104076	RAJASUNDARI M	17
76.	820816104077	RAJESWARI R	19
77.	820816104078	RAJITHA R	19
78.	820816104079	RAMEEZ THARIQ A	18
79.	820816104080	RAMPRAKASH S	16
80.	820816104081	RAMPRASATH T	19
81.	820816104082	RAMYA T	18
82.	820816104083	RETHINAKUMARI P	15
83.	820816104084	ROSHINI G	16
84.	820816104085	SALOMIYA R	19
85.	820816104086	SANGEETHA J	16
86.	820816104087	SANGEETHA R	19
87.	820816104088	SANTHIYA A	16

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88.	820816104089	SANTHIYA G	18
89.	820816104090	SARANYA S	17
90.	820816104091	SATHANA V	16
91.	820816104092	SATHISH S	14
92.	820816104093	SATHYA R	18
93.	820816104094	SHIBA B	19
94.	820816104095	SILAMBARASI B	15
95.	820816104096	SIVASANGARI K	17
96.	820816104097	SRILEKA M	15
97.	820816104098	STEFFYGRAFF M	17
98.	820816104099	SUBA S	19
99.	820816104100	SUBASHINI R	17
100.	820816104101	SUBASHRI T	17
101.	820816104102	SUBASREE P	18
102.	820816104103	SUBASRI S	19
103.	820816104104	SUBULAKSHMI K	18
104.	820816104105	SUGANTHI A	18
105.	820816104106	SUGUNA G	16
106.	820816104107	SUMITHA P	18
107.	820816104109	SURYAPRAKASH T	19
108.	820816104111	TAMIZHMOZHI T	15
109.	820816104112	THASLEEMA NAZREEN M	16
110.	820816104113	UDHAYASURYA C	19
111.	820816104114	VAITHEESWARI M	16
112.	820816104115	VANITHA G	19
113.	820816104116	VARSHA G	17
114.	820816104117	VARSHINI M	18
115.	820816104118	VARSHINI V	16
116.	820816104119	VASUMATHI T	16
117.	820816104120	VENKADESHWARAN S	15
118.	820816104121	VICHITHRA B	18
119.	820816104122	VIJAYASRI P	19
120.	820816104123	VINOLIYA G	15
121.	820816104124	VISITHIRAGOTHAI R	17
122.	820816104125	YOGESWARI A	15
123.	820816104126	YUVARAJA P	17
124.	820816104301	ABINASH P	18
125.	820816104302	ARUNKUMAR R	18
126.	820816104309	MAGESHWARI M	16
127.	820816104310	SRIMATHI M	17
128.	820816104701	SINDHUJA R	16
129.	820816104702	THIPAK MANJREKAR K	18


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Value Added Course on Building A Cloud Computing Virtual Environment

Impact analysis report

UG Batch: 2016-2020

S.N O	REGISTER No	STUDENT NAME	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
1.	820816104001	AAKASH A	1	1	1	1	0	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1
2.	820816104002	AARTHI M	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
3.	820816104003	ABINAYA K	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
4.	820816104004	ABINAYA M.D	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1
5.	820816104005	AJITH KUMAR S	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1
6.	820816104006	ANANTHI S	0	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1
7.	820816104007	ANUSHA S	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8.	820816104008	ANUSUYA A	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
9.	820816104009	ANUSUYA R	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0	1	0	1	1
10.	820816104010	ARAVINDH N	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	0	1	1	1
11.	820816104011	ASHWIN G	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12.	820816104012	ASWINI M	1	0	1	1	1	0	1	1	1	1	0	1	1	0	1	1	1	1	1	1
13.	820816104013	BALASURYAN	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1
14.	820816104014	BAVITHRA R	1	1	1	1	1	1	0	1	1	1	0	1	1	1	0	1	1	1	1	1
15.	820816104015	BIRUNDHAM	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
16.	820816104016	BISMIL HUDHA S	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	1	1	1	1
17.	820816104017	DEVIV	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0	1	1	1
18.	820816104018	DHARMA RAJA S	1	1	1	1	1	0	1	1	0	1	0	0	1	1	1	1	1	1	0	1
19.	820816104019	DHEEPTHI R	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
20.	820816104020	DHIVANI G	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
21.	820816104021	DHIVYABHARADH IB	1	1	1	1	0	1	1	1	1	0	1	0	1	1	0	1	1	1	0	1
22.	820816104022	DHIVYADHARSHI NIT	1	1	1	1	0	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1
23.	820816104023	DURALARASAN S	1	1	1	1	0	1	1	0	1	1	1	0	1	1	0	1	1	1	0	1
24.	820816104024	ATTESTED MIRI G	1	1	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1
25.	820816104025	ATTESTED GAYATHRI M	1	1	1	1	1	1	0	1	1	1	0	1	1	1	0	1	1	1	1	1
26.	820816104026	Dr. S. RAMABALAN, M.E., Ph.D. PRINCIPAL	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1

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57.	820816104057	NISHANTHINI G	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0
58.	820816104058	NITHESH E	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0
59.	820816104059	NITHYAPRIYA A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
60.	820816104060	NITHYAPRIYA R	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
61.	820816104061	NIVETHA B	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62.	820816104062	NIVETHA S	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
63.	820816104063	PARIMALA S	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
64.	820816104064	PARKAVIS	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
65.	820816104065	PAVITHRA S	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
66.	820816104066	PRAGATHI J	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
67.	820816104067	PRAMILA R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
68.	820816104068	PRASANTH M	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
69.	820816104069	PREETHINISHA K	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
70.	820816104070	PRIYA A	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
71.	820816104071	PRIYADHARSHINI A	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
72.	820816104072	PRIYADHARSHINI M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
73.	820816104074	PRIYADHARSHINI T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
74.	820816104075	PUSHPALATHA P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
75.	820816104076	RAJASUNDARI M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
76.	820816104077	RAJESWARI R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
77.	820816104078	RAJITHA R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
78.	820816104079	RAMEEZ THARIQ A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
79.	820816104080	RAMPRAKASH S	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
80.	820816104081	RAMPRASATH T	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
81.	820816104082	RAMYA T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
82.	820816104083	RETHINAKUMARI P	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
83.	820816104084	ROSHINI G	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
84.	820816104085	SAOMIYA R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
85.	820816104086	SAVITHA J	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
86.	820816104087	DR.SRAMABALAN M.PH.D.,	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
87.	820816104088	PRINCIPAL THIYA A	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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Mapping of Course Outcomes Vs Program Outcomes

CO Number	Competency	Cognitive level
CO1	Explore the basics of cloud computing.	Understand
CO2	Explain the Cloud Mechanisms	Understand
CO3	Explore Cloud Technologies	Apply
CO4	Manage the Cloud infrastructure and services.	Apply

CO to PO Mapping


Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	-	2	-	-	-	-	-	1	3
CO2	3	3	3	1	-	-	-	-	-	-	2	-
CO3	2	2	-	2	3	-	-	-	-	-	2	2
CO4	3	2	-	3	3	-	-	-	-	-	-	-

CO to PSO Mapping

Course Outcome	PSO1	PSO2
CO1	-	1
CO2	-	1
CO3	-	3
CO4	-	3

1. Slight(Low) 2. Moderate(Medium) 3.Substantial(High) “-“ No Correlation

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 Nagapattinam - 611 002

E.G.S.PILLAY ENGINEERING COLLEGE (Autonomous)

NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEEDBACK FORM FOR VALUE ADDED COURSES

Academic Year : 2017-2018

Batch: 2016

Name of the Value Added Course: Building cloud Computing semester: Virtual Environment

Student Name: D.R. Jansi. Oj

Register Number: 820816104020

Staff Handling: J. Noorul Ameen

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course Content	✓				
2	Skill Development	✓				
3	Motivation	✓				
4	Regularity and Punctuality of teacher	✓				
5	Coverage of syllabus	✓				
6	Interaction	✓				
7	Individual attention	✓				
8	Outcome	✓				
9	Other suggestions	Excellent Session.				



Signature of the student

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NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEEDBACK FORM FOR VALUE ADDED COURSES

Academic Year : 2017-2018

Batch: 2016

Name of the Value Added Course: Building cloud computing virtual Environment.

Semester: V

Student Name: Prasanth. M

Register Number: 820816104068

Staff Handling: M. J. Noorul Ameen

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course Content	✓				
2	Skill Development		✓			
3	Motivation	✓				
4	Regularity and Punctuality of teacher	✓				
5	Coverage of syllabus	✓				
6	Interaction	✓				
7	Individual attention	✓				
8	Outcome	✓				
9	Other suggestions	The session was very helpful.				

Signature of the student

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PRINCIPAL
E.G.S. Pillay Engineering College,
K. J. Somaiya - 611 002,
Nagapattinam (DT) Tamil Nadu.

E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF CSE

COURSE SUMMARY REPORT

1. Title: Building a Cloud Computing Virtual Environment
2. Name of Speaker: Mr.J.Noorul Ameen
3. Speaker Details: Assistant Professor, CSE Department, EGSSPEC.
4. Date of speaker's presentation:
04.16.2018 – 09.06.2018 & 11.06.2018 – 16.06.2018
5. Duration : 36 Hours
6. Beneficiary Details:
UG - II YEAR CSE Students
7. Coordinators:
 1. Dr.R.Manivannan(Assoc. Prof., CSE., EGSSPEC)
 2. Mrs.K.Kalaivani (Asst. Prof., CSE,EGSSPEC)

More about this Course:

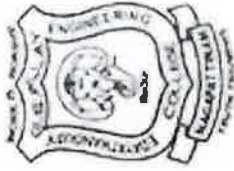
The value added course on Building a Cloud Computing Virtual Environment is intended to teach students the core concepts of cloud computing. This course will introduce you to gain the foundational knowledge required for understanding cloud computing from a business perspective as also for becoming a cloud practitioner. In this course, we introduce you to some of the prominent service providers of our times (e.g. AWS, Google, IBM, Microsoft, etc.) the services they offer. The various cloud service models (IaaS, PaaS, SaaS) and deployment models (Public, Private, Hybrid) and the key components of a cloud infrastructure (VMs, Networking, Storage - File, Block, Object, CDN) has been taught. Students gained an in-depth knowledge on basics of Cloud Environment. Students felt that this course was very much helpful for them. It is planned to extend this value added course training in the next semester with cloud services and hence it will be helpful to explore more on cloud computing.

ATTESTED

Dr. S. RAMABALAN / M.E., Ph.D.
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E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
(Accredited by NAAC with 'A' Grade & NBA)
Old Nagore Road, Thethi, Nagapattinam - 611002, Tamil Nadu ,India



Department of Computer Science and Engineering

Certificate of Completion

This is to certify that **Mr./Ms. Dhivani G** has successfully completed value added course on **Building A Cloud Computing Virtual Environment** conducted by Department of Computer Science and Engineering, E.G.S.Pillay Engineering College, Nagapattinam from 04/06/2018 to 09/06/2018.


ATTESTED

Dr. Sorendranath
PRINCIPAL

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Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



HOD /CSE

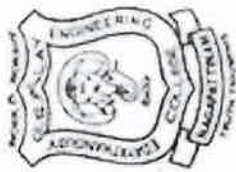
Principal

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Department of Computer Science and Engineering

Certificate of Completion

This is to certify that **Mr./Ms. Jayachandran R** has successfully completed value added course on **Building A Cloud Computing Virtual Environment** conducted by Department of Computer Science and Engineering, E.G.S.Pillay Engineering College, Nagapattinam from 04/06/2018 to 09/06/2018.

[Signature]

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Dr. S. GANESAN

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Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

[Signature]

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[Signature]

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Department of Computer Science and Engineering

Certificate of Completion

This is to certify that **Mr./Ms. Sathish S** has successfully completed value added course on **Building A Cloud Computing Virtual Environment** conducted by Department of Computer Science and Engineering, E.G.S.Pillay Engineering College, Nagapattinam from 11/06/2018 to 16/06/2018.



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Coordinators **D.S. RAMABALAN, M.E., Ph.D.** **HOD /CSE**

Principal

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Nagapattinam (Dt) Tamil Nadu.

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Old Nagore Road, Thethi, Nagapattinam - 611002, Tamil Nadu ,India



Department of Computer Science and Engineering

Certificate of Completion

This is to certify that **Mr./Ms. Pushpalatha P** has successfully completed value added course on **Building A Cloud Computing Virtual Environment** conducted by Department of Computer Science and Engineering, E.G.S.Pillay Engineering College, Nagapattinam from 11/06/2018 to 16/06/2018.



Coordinators **S. RAMABALAN, M.E., Ph.D.** **HOD /CSE**

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Principal

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Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.

E.G.S. PILLAY ENGINEERING COLLEGE
(AUTONOMOUS)
NAGAPATTINAM, TAMILNADU, INDIA – 611002
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
An ISO 9001: 2008 Certified Institution

Department Of Computer Science & Engineering

Organized

ONE WEEK
VALUE ADDED COURSE
ON
WEB DESIGNING

Dates: 27.11.2017 – 02.12.2017

&

04.12.2017 – 09.12.2017

COORDINATORS

1. Dr.T.Ganesan, Professor/CSE
2. Mr. S.Aravindhan, AP/CSE
Department of CSE
E.G.S Pillay Engineering College.
Nagapattinam – 611002.

CONVENOR

Dr.M.Chinnadurai,
Professor & Head
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam – 611002.

**EGS PILLAY ENGINEERING COLLEGE (AUTONOMOUS)
NAGAPATTINAM**

DEPARTMENT OF CSE

Value Added Course on

“Web Designing”

TABLE OF CONTENT

S.No	Content	Page No.
1.	Requisition Letter	1
2.	Brochure	2-3
3.	Circular	4
4.	Program Schedule	5
5.	Syllabus	6
6.	Enrollment List	7 TO 11
7.	Student Attendance	12 TO 19
8.	Material	20 TO 24
9.	Assessment Questions	25 TO 30
10.	Sample Answer Sheet	31 TO 36
11.	Mark Statement	37 TO 40
12.	Impact Analysis Report with CO's & PO Mapping	41 TO 47
13.	Feedback	48 TO 49
14.	Course Summary Report	50
15.	Sample Certificates	51 TO 54
16.	Sample Photo	55

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

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Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

[Signature]
HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
HOD/CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

REQUISITION LETTER

Date: 17.11.2017

From

Dr. T. Ganesan,
Professor/CSE,
Department of CSE,
E.G.S. Pillay Engineering College,
Nagapattinam.

To

The Principal,
E.G.S. Pillay Engineering College,
Nagapattinam.



Through

The Head of Department,
Department of CSE,
E.G.S. Pillay Engineering College,
Nagapattinam.

Respected Sir,

Sub: Value Added Course – Reg

We are happy to inform you that we have planned to organize one week value added course title on “**Web Designing**” for UG III & IV Year CSE Students from 27.11.2017 to 02.12.2017 for Batch I and from 04.12.2017 to 09.12.2017 for Batch II. Herewith, I have enclosed name list with batch and session details. Kindly give permission for conducting the value added course.

Thanking you,

yours truly,



[Dr. T. Ganesan]



HEAD OF DEPARTMENT OF CSE
E.G.S. PILLAY ENGINEERING COLLEGE,
NAGAPATTINAM - 611 002

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

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Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

VALUE ADDED COURSE

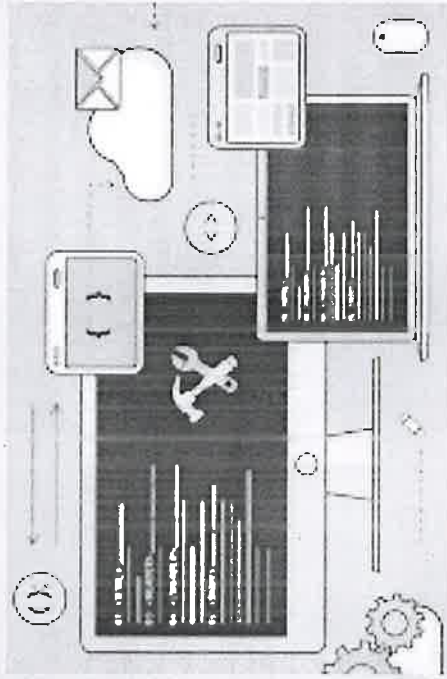
ON

"WEB DESIGNING"

from

NOV 27 - DEC 02, 2017 (BATCH I)

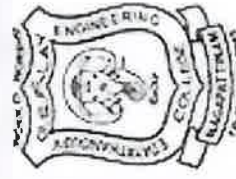
DEC 04 - DEC 09, 2017 (BATCH II)



Organised by

Department of Computer Science and Engineering

at



E.G.S. PILLAY ENGINEERING COLLEGE
(AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'A' Grade & NBA
Old Nagore Road, Thehri, Nagapattinam - 611002, Tamil Nadu, India

EGS Pillay Engineering College was started in the year 1995 under the sponsorship of G. S. Pillay & Sons Educational and Charitable Trust. College has gained the reputation of being most preferred engineering college by the students. College is approved by the AICTE, New Delhi and is affiliated to Anna University from 2002 and the degrees are awarded by Anna University, as per the Government Orders. It is ISO 9001:2008 certified.

The College has earned the reputation of being one of the most preferred colleges by the students and parents all these years. Known for its excellent infrastructure and facilities for learning, the outstanding non-grant engineering college has registered impressive **ATTESTED** **FOR ANMAASACAN SURETY DA** gate-way to success, **THE IITBUGAL** has now set on long-range **E.G.S. PILLAY ENGINEERING COLLEGE** enrich its programs and activities to empower the youth who aspire to become successful Engineers, Scientists and Managers.

Why E G S P E C

A gate-way to success, the college has now set on long-range planning to enlarge and enrich its programs and activities to empower the youth who

Department of Computer Science and Engineering programme was introduced at Edayathangudy G.S.Pillay Engineering College in the Academic Year 1995-1996. The demand for Computer Engineers in software companies, banking sectors and private sectors engaged in developing new trends of software generation is more than the engineers available.

The department has Recognized Research Centre for doing PhD / M.S. (By Research), obtained Permanent Affiliation from Anna University in the year 2014-15. The department has formed student association namely Computer Engineers Association (CEA) to promote talent of the students and their upliftment. The department has highly qualified and experienced faculties. The department has well experienced faculties in the research and more number of publications in reputed Journals and Conferences.

The department has well infrastructural facilities. From 2011 onwards every year, we are conducting International and National conferences. The B.E (CSE) programme was accredited by NBA in the year 2016.

Course Objective

1. Understand the principles of creating an effective web page, including an in-depth consideration of information architecture.
2. Become familiar with graphic design principles that relate to web design and learn how to implement theories into practice.
3. Develop skills in analyzing the usability of a web site.

BASICS OF WEB DESIGNING

Fundamentals of Web Designing - Typical Website Evolution - Influences of Technology on Design- Principles of Good Web Design - FrontEnd vs BackEnd - Static vs Dynamic Websites

HTML

Introduction to HTML - Elements & Structures - Image - Hyperlink - Lists - Tables - Forms - Frames

CSS

CSS Introduction - CSS Syntax - CSS Types - Selectors - Working with Color **TESTED** CSS Box Model - Display and **POSITIONING** - Span and **DIV** **RAMABALSARIPAL**

Dr. S. RAMABALSARIPAL

E.G.S. Pillay Engineering College,

Thethi, Nagore - 611 002.

Dr. S. RAMABALSARIPAL (Dr) Tamil Nadu.

RESPONSIVE WEB DESIGN

Introduction - Viewport - Grid View - Media Queries - Images & Videos - Frameworks - Templates

Convenor:

Prof. Dr. M. CHINNADURAI
PROFESSOR & HEAD / CSE

Course Coordinators:

Dr. T. GANESAN
PROFESSOR / CSE

&

Mr. S. ARAVINTHAN
ASSISTANT PROFESSOR / CSE

Resource Person :

Mr. S. ARAVINDHAN
ASSISTANT PROFESSOR / CSE

&

Dr. K. BALASUBRAMANIYAN
ASSOCIATE PROFESSOR / CSE

Course Duration : 36 Hours**BENEFICIARIES**

III CSE UG Students
(2015- 2019 Batch)

&

IV CSE UG Students
(2014-2018 BATCH)

Certificate will be issued to all

participants on successful completion of

Value Added Courses are those that are designed to raise students' standards above and beyond the levels specified in the academic curriculum. Value-added courses are included in the curriculum to improve students' employability. Value-added courses are taught by department faculty or by collaborating with the industry to bridge the gap between the curriculum and the needs of the industry.

Importance of Value Added Courses

The incorporation of value-added courses should concentrate on leveraging the talent and innovative capabilities of aspiring professionals to meet the needs of today's dynamic business environment, thus making the student more industry ready. The value-added programs supplement students' learning and prepare them for the challenges of professional life.

Another pressing need for the addition of these courses in higher education institutions is to give students the option of designing their own degree, thereby facilitating cross-disciplinary education, by allowing students to choose courses from multiple disciplines

**E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM.
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

EGSPEC/CSE/UG/VAC/2017-18/01

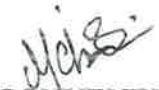
Date: 20.11.2017


CIRCULAR

It is to inform that Department of Computer Science and Engineering is going to organize a Value Added Course on “**Web Designing**” from 27.11.2017 to 02.12.2017 for Batch I and from 04.12.2017 to 09.12.2017 for Batch II (36 hours/Batch) by, **Mr.S.Aravindhnan**, Assistant Professor & **Dr.K.Balasubramanian**, Associate Professor, Department of Computer Science and Engineering, E.G.S.Pillay Engineering College (Autonomous), Nagapattinam for the benefits of III year and IV Year CSE Students. All the enrolled students are instructed to attend the course without fail.

Timings: 9:15 am – 4:45 pm

Venue: GGB – CC1 Lab


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DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002


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E.G.S.P. Engineering College,
Nagapattinam - 611 002

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Dr. S. RAMASALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

**E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM.
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**


Value Added Course on “Web Designing”

PROGRAM SCHEDULE

BATCH I Date : 27.11.2017- 02.12.2017				
Session Date	I 9:15 – 10:45 AM	II 11:00 – 1:00 PM	III 2:00 – 3:30 PM	IV 3:45 – 4:45 PM
27/11/2017	Fundamentals of Web Designing, Typical Website Evolution	Influences of Technology on Design, Good Web Design Principles	FrontEnd vs BackEnd, Static vs Dynamic Websites	Practice Session
28/11/2017	Introduction to HTML, Elements & Structures	Image, Hyperlink, Lists	Tables	Practice Session
29/11/2017	Forms, Frames	CSS Introduction, CSS Syntax, CSS Types	CSS Selectors	Practice Session
30/11/2017	Working with Colors	CSS Box Model,	Display and Positioning	Practice Session
01/12/2017	Span and Div Tags	Introduction, Viewport, Grid View	Media Queries, Images & Videos	Practice Session
02/12/2017	Frameworks, Templates	Creating Web Pages Overview	Practice Session	Assessment Test
BATCH II 04.12.2017 – 09.12.2017				
Session Date	I 9:15 – 10:45 AM	II 11:00 – 1:00 PM	III 2:00 – 3:30 PM	IV 3:45 – 4:45 PM
04/12/2017	Fundamentals of Web Designing, Typical Website Evolution	Influences of Technology on Design, Good Web Design Principles	FrontEnd vs BackEnd, Static vs Dynamic Websites	Practice Session
05/12/2017	Introduction to HTML, Elements & Structures	Image, Hyperlink, Lists	Tables	Practice Session
06/12/2017	Forms, Frames	CSS Introduction, CSS Syntax, CSS Types	CSS Selectors	Practice Session
07/12/2017	Working with Colors	CSS Box Model,	Display and Positioning	Practice Session
08/12/2017	Span and Div Tags	Introduction, Viewport, Grid View	Media Queries, Images & Videos	Practice Session
09/12/2017	Frameworks, Templates	Creating Web Pages Overview	Practice Session	Assessment Test

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**



**HEAD OF DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002**

SYLLABUS

VALUE ADDED COURSE ON WEB DESIGNING		
COURSE OBJECTIVES:		
	1. To impart the new concepts in Web Technologies	
	2. To develop understanding about the different technologies used in the World Wide Web	
Module I	BASICS OF WEB DESIGNING	9 Hours
Fundamentals of Web Designing – Typical Website Evolution – Influences of Technology on Design- Principles of Good Web Design – FrontEnd vs BackEnd – Static vs Dynamic Websites		
Module II	HTML	9 Hours
Introduction to HTML - Elements & Structures – Image – Hyperlink - Lists - Tables – Forms – Frames		
Module III	CSS	9 Hours
CSS Introduction – CSS Syntax – CSS Types – Selectors – Working with Colors - CSS Box Model – Display and Positioning – Span and Div Tags.		
Module IV	RESPONSIVE WEB DESIGN	9 Hours
Introduction – Viewport – Grid View – Media Queries – Images & Videos – Frameworks – Templates		
		Total: 36 Hours
COURSE OUTCOMES:		
	After completion of the course, Student will be able to	
CO1	Explain the basics of Web Design	
CO2	Develop Web Pages using HTML	
CO3	Design Web Pages with CSS	
CO4	Implement responsive web Pages	
REFERENCES:		
1. Grannell, Craig. <i>The Essential Guide to CSS and HTML Web Design</i> , friends of ED, 2007.		
2. Kogent Learning Solutions Inc, Web Technologies Black Book, Dreamtech Press, New Delhi, 2013.		

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Nagapattinam - 611 002

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM

DEPARTMENT OF CSE

VALUE ADDED COURSE ON "WEB DESIGNING"

ENROLLMENT LIST

S.No	Register Number	Name of Student	BATCH
1.	820815104001	Abinaya K	I
2.	820815104002	Abinaya. R	I
3.	820815104003	Aishwarya S	I
4.	820815104004	Ajay R	I
5.	820815104005	Akalya S	I
6.	820815104006	Anbukani A	I
7.	820815104007	Aravinth.R	I
8.	820815104008	Arthi G	I
9.	820815104009	Arul Mary. A	I
10.	820815104010	Aruna Devi P	I
11.	820815104011	Arun Kumar. R	I
12.	820815104012	Bhuvaneshwari R	I
13.	820815104013	Deepika S	I
14.	820815104014	Desiga. K	I
15.	820815104015	Devi R	I
16.	820815104016	Dharmakaviraj B	I
17.	820815104017	Dhevasena. Rm	I
18.	820815104018	Dhivya M	I
19.	820815104019	Dhivyabarathi M	I
20.	820815104020	Divya M	I
21.	820815104021	Elakkia G	I
22.	820815104022	Geetha.R	I
23.	820815104023	Gowri C	I

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24.	820815104024	Gunachitra G	I
25.	820815104025	Hadjinisa. M	I
26.	820815104026	Hameed Sulthan Maricar M	I
27.	820815104027	Indira. N	I
28.	820815104028	Janarthanam V	I
29.	820815104030	Kalaiyarasi. K	I
30.	820815104031	Karthi. L	I
31.	820815104032	Karthika.M	I
32.	820815104033	Karthika S	I
33.	820815104034	Karthikayani S	I
34.	820815104035	Kavashkar. S	I
35.	820815104036	Kaviyazhagan G	I
36.	820815104037	Kowsalya S	I
37.	820815104038	Lavanya.M	I
38.	820815104039	Mahalakshmi R	I
39.	820815104040	Mahalakshmi.R	I
40.	820815104041	Maheswari.S	I
41.	820815104042	Mangaiyarkarasi .G	I
42.	820815104043	Manikandan. P	I
43.	820815104044	Mathan Narayanan Samy.P	I
44.	820815104045	Meena T	I
45.	820815104046	Mohamed Faisal R	I
46.	820815104048	Natarajan. A	I
47.	820815104049	Nivedha. K	I
48.	820815104050	Nivetha N	I
49.	820815104051	Oviya. K	I
50.	820815104052	Pavithra. R	I
51.	820815104053	Preethi. B	I
52.	820815104054	Preethi S	I

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thetiv, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

53.	820815104055	Priadharshini. S	I
54.	820815104056	Priyadharshini. P	I
55.	820815104057	Priadharshini R	I
56.	820815104058	Priyanga C	I
57.	820815104059	Ragaranjani. R	I
58.	820815104060	Rajalakshmi.G	I
59.	820815104061	Ranjani S	I
60.	820815104062	Sabitha.S	I
61.	820815104063	Sajee.C	I
62.	820815104064	Sakthivel C	I
63.	820815104065	Sandhiya S	I
64.	820815104066	Sangavi K	I
65.	820815104067	Sangeetha. M	I
66.	820815104068	Saravanan M	I
67.	820815104069	Sargunam T	I
68.	820815104070	Sattiya Lakshmi M	I
69.	820815104071	Siddhanathan R	II
70.	820815104072	Sindhuja.J	II
71.	820815104073	Siva T	II
72.	820815104074	Sivadharani.R	II
73.	820815104075	Sivathanusu P	II
74.	820815104076	Sobika R	II
75.	820815104077	Sriram.M	II
76.	820815104078	Subasri T	II
77.	820815104079	Suvithan.V	II
78.	820815104080	Swathi. P	II
79.	820815104081	Swathi. S	II
80.	820815104082	Thamizhselvi.T	II
81.	820815104084	Thendral B	II

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Nagapattinam (Dt) Tamil Nadu.

82.	820815104085	Thiripurasundari M	II
83.	820815104086	Uma V	II
84.	820815104087	Viji R	II
85.	820815104088	Vinitha V	II
86.	820815104089	Vinothini T	II
87.	820815104090	Yamuna.R	II
88.	820815104301	Kalaimozhi. S	II
89.	820815104302	Kathiravan P	II
90.	820815104303	Nirmanrajan T	II
91.	820815104304	Rathish R	II
92.	820815104305	Sandhiya.L	II
93.	820815104306	Sridevi. R	II
94.	820815104307	Surya. V	II
95.	820815104701	Abinaya.P	II
96.	820815104702	Kiruthika. B	II
97.	820814104008	Akileshwari U	II
98.	820814104009	Ananthi R	II
99.	820814104010	Ananthi T	II
100.	820814104014	Bhuvaneshwari G	II
101.	820814104016	Devipriya S	II
102.	820814104018	Divyalakshmi S	II
103.	820814104019	Durga M	II
104.	820814104020	Elakkiya S	II
105.	820814104021	Hemavathi K	II
106.	820814104023	Janani V	II
107.	820814104025	Kalaivani V	II
108.	820814104026	Kalki T	II
109.	820814104028	Kanimozhi K	II
110.	820814104029	Karthika P	II

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

111.	820814104030	Kowsalya D	II
112.	820814104034	Manikandan S	II
113.	820814104035	Manirathnam N	II
114.	820814104036	Mano S	II
115.	820814104040	Mohamed Riswan Ali M A	II
116.	820814104047	Prethivi V	II
117.	820814104048	Priyadharshini A	II
118.	820814104049	Priyanka K	II
119.	820814104050	Rajalakshmi R	II
120.	820814104051	Rajesh R	II
121.	820814104053	Ramya R	II
122.	820814104054	Ranjitha R	II
123.	820814104057	Santhakumar A	II
124.	820814104058	Saranya P	II
125.	820814104060	Sathishkumar C	II
126.	820814104061	Shanmuganandham S	II
127.	820814104066	Srinaran M	II
128.	820814104067	Sudha P	II
129.	820814104068	Suganya U	II
130.	820814104069	Thenmozhi V R	II
131.	820814104071	Udhayanithi B	II
132.	820814104304	Bharathapriya P	II
133.	820814104305	Dharani V	II
134.	820814104311	Ranjith R	II
135.	820814104312	Sathiyamoorthy T	II
136.	820814104313	Sharmila V	II

Course Coordinators

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year: 2017-2018)

VALUE ADDED COURSE ON "WEB DESIGNING"

STUDENT ATTENDANCE SHEET

Batch I

Date : 27.11.2017 – 02.12.2017

S.No	Register Number	Name of Student	27.11.17		28.11.17		29.11.17		30.11.17		01.12.17		02.12.17	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	820815104001	ABINAYA K	/	/	/	/	/	/	/	/	/	/	/	
2.	820815104002	ABINAYA R	/	/	/	/	/	/	/	/	/	/	/	
3.	820815104003	AISHWARYA S	/	/	/	/	/	/	/	/	/	/	/	
4.	820815104004	AJAY R	/	/	/	/	/	/	/	/	/	/	/	
5.	820815104005	AKALYA S	/	/	/	/	/	/	/	/	/	/	/	
6.	820815104006	ANBUKANI A	/	/	/	/	/	/	/	/	/	/	/	
7.	820815104007	ARAVINTH R	/	/	/	/	/	/	/	/	/	/	/	
8.	820815104008	ARTHI G	/	/	/	/	/	/	/	/	/	/	/	
9.	820815104009	ARULMARY A	AB	AB	/	/	/	/	/	/	/	/	/	
10.	ATTENDED 4010	ARUNADEVI P	/	/	/	/	/	/	/	/	/	/	/	
	820815104011	ARUNKUMAR R	/	/	/	/	/	/	/	/	/	/	/	
	820815104012	BHUVANESHWARI R	/	/	/	/	/	/	/	/	/	/	/	

Dr. S. RAMABALAN, M.E., PH.D.,
Principal
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.

HEAD OF DEPARTMENT
 DEPARTMENT OF CSE
 E. G. S. PILLAY ENGINEERING COLLEGE,
 Thethi, Nagore - 611 002.

Handwritten signature

13.	820815104013	DEEPIKA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
14.	820815104014	DESIGA K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15.	820815104015	DEVIR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16.	820815104016	DHARMAKA VIRAJ B	/	/	/	/	/	/	/	/	/	AB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17.	820815104017	DHEVASENA R M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	820815104018	DHIVYA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
19.	820815104019	DHIVYABARATHI M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	820815104020	DIVYA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	820815104021	ELAKKIA G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
22.	820815104022	GEETHA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	820815104023	GOWRI C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
24.	820815104024	GUNACHITRA G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
25.	820815104025	HADIJINISA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
26.	820815104026	HAMEEDSULTHANMARICAR M	/	/	/	/	/	/	/	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
27.	820815104027	INDIRA N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
28.	820815104028	JANARTHANAM V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
29.	820815104030	KALAIYARASIK	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
30.	820815104031	KARTHI L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Df.S: RAMABALAN M.E., P.K.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		PRINCIPAL	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		E.G.S. Pillay Engineering College,	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Thethi, Nagore - 611 002.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Nagapattinam (DU) Tamil Nadu.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

ATTESTED

(Signature)

34.	820815104035	KAVASHKAR S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35.	820815104036	KAVIYAZHAGAN G	/	/	/	/	/	/	/	/	/	/	/	/	/	AB	AB	/	/
36.	820815104037	KOWSALYA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37.	820815104038	LAVANYA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38.	820815104039	MAHALAKSHMI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39.	820815104040	MAHALAKSHMI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40.	820815104041	MAHESWARIS	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/
41.	820815104042	MANGAIYARKARASI G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42.	820815104043	MANIKANDAN P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43.	820815104044	MATHANNARAYANANSAMY P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44.	820815104045	MEENA T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45.	820815104046	MOHAMED FAISAL R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46.	820815104048	NATARAJAN A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
47.	820815104049	NIVEDHA K	/	/	/	/	/	/	/	/	/	/	/	/	/	AB	AB	/	/
48.	820815104050	NIVETHA N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
49.	820815104051	OVIYA K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
50.	820815104052	PAVITHRA R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
51.	ATTESHER 820815104053	PREETHI B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
52.	820815104054	PREEETHI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
53.	Dr. S. RAMABALAN, M.E., SRINIVAS	PRIADHARSHINI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	B.G. S. Pillay Engineering College, Thelvi, Nagore 641 002. Nagapattinam (Dt) Tamil Nadu.	PRIYADHARSHINI P	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/

HEAD OF DEPARTMENT
DEPARTMENT OF CSE
P. B. Engineering College,
Nagapattinam, Dist. Thanjavur, Tamil Nadu - 641 002

AV

55.	820815104057	PRIYADHARSINI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
56.	820815104058	PRIYANGA C	/	/	/	/	/	/	/	/	AB	AB	/	/	/	/	/	/
57.	820815104059	RAGARANJANI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
58.	820815104060	RAJALAKSHMI G	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59.	820815104061	RANJANI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
60.	820815104062	SABITHA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
61.	820815104063	SAJEE C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
62.	820815104064	SAKTHIVEL C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
63.	820815104065	SANDHIYA S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
64.	820815104066	SANGAVI K	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/
65.	820815104067	SANGEETHA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
66.	820815104068	SARAVANAN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
67.	820815104069	SARGUNAM T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
68.	820815104070	SATTIYALAKSHMI M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Total Strength	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
		Total Present	67	67	65	65	66	66	68	68	64	64	68	68				
		Total Absent	01	01	03	03	02	02	-	-	04	04	00	00	00	00	00	00
		Course Coordinator Signature	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS

Handwritten signature of Course Coordinator

HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002

Handwritten signature

Dr. S. RAMABALAN, M.E., Ph.D.,
Dr. S. RAMABALAN, PRINCIPAL
E.G.S. Pillay Engineering College,
E.G. Pillay, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ATTESTED
Handwritten signature of Head of Department

E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year: 2017-2018)

VALUE ADDED COURSE ON "WEB DESIGNING"

STUDENT ATTENDANCE SHEET

Batch II

Date : 04.12.2017 – 09.12.2017

S.No	Register Number	Name of Student	04.12.17		05.12.17		06.12.17		07.12.17		08.12.17		09.12.17	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	820815104071	SIDDHANATHAN R	/	/	/	/	/	/	/	/	/	/	/	/
2.	820815104072	SINDHUJA J	/	/	/	/	/	/	/	/	AB	AB	/	/
3.	820815104073	SIVA T	/	/	/	/	/	/	/	/	/	/	/	/
4.	820815104074	SIVADHARANI R	/	/	/	/	/	/	/	/	/	/	/	/
5.	820815104075	SIVATHANUSU P	/	/	/	/	/	/	/	/	/	/	/	/
6.	820815104076	SOBIKA R	/	/	/	/	/	/	/	/	/	/	/	/
7.	820815104077	SRJRAM M	/	/	/	/	/	/	/	/	/	/	/	/
8.	820815104078	SUBASRI T	/	/	AB	AB	/	/	/	/	AB	AB	/	/
9.	820815104079	SUVITHAN V	/	/	/	/	/	/	/	/	/	/	/	/
10.	820815104080	SWATHI P	/	/	/	/	/	/	/	/	/	/	/	/
11.	820815104081	SWATHI S	/	/	/	/	/	/	/	/	/	/	/	/
12.	820815104082	THAMIZHSELVI T	/	/	/	/	/	/	/	/	/	/	/	/

ATTESTED

(Signature)

Dr. S. RAMANISANDAN, Ph.D.
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



















(Signature)
HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002.

34.	820814104018	DIVYALAKSHMI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
35.	820814104019	DURGA M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
36.	820814104020	ELAKKIYA S	/	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
37.	820814104021	HEMAVATHI K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
38.	820814104023	JANANI V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
39.	820814104025	KALAIVANI V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
40.	820814104026	KALKI T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
41.	820814104028	KANIMOZHI K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
42.	820814104029	KARTHIKA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
43.	820814104030	KOWSALYA D	/	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
44.	820814104034	MANIKANDAN S	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
45.	820814104035	MANIRATHNAM N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
46.	820814104036	MANO S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
47.	820814104040	MOHAMED RISWAN ALI M A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
48.	820814104047	PRETHIVI V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
49.	820814104048	PRIYADHARSHINI A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
50.	820814104049	PRIYANKA K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
51.	820814104051	RAJALAKSHMI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	AB	AB	/	/	/	/	/
52.	820814104052	RAJESH R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

ATTESTED
DR. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thoothukudi, Nagore - 644 002.
 Nagapattinam (Dt) Tamil Nadu.


REGD. BY THE
 DEPARTMENT OF CBE
 GOVERNMENT ENGINEERING COLLEGE
 THOOTHUKUDI, NAGORE

[Handwritten Signature]

55.	820814104057	SANTHAKUMAR A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
56.	820814104058	SARANYA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
57.	820814104060	SATHISHKUMAR C	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
58.	820814104061	SHANMUGANANDHAM S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
59.	820814104066	SRITHARAN M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
60.	820814104067	SUDHA P	/	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/	/	/
61.	820814104068	SUGANYA U	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
62.	820814104069	THENMOZHI V R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
63.	820814104071	UDHAYANITHI B	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
64.	820814104304	BHARATHAPRIYA P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
65.	820814104305	DHARANI V	/	/	/	/	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/
66.	820814104311	RANJITH R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
67.	820814104312	SATHIYAMOORTHY T	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
68.	820814104313	SHARMILA V	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Total Strength			68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
Total Present			67	67	64	64	64	64	65	65	67	67	67	67	67	64	64	68	68	68
Total Absent			01	01	04	04	04	03	03	01	01	01	01	01	01	04	04	01	01	01
course Coordinator Signature																				

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DEPARTMENT OF CSE
E.G.S. Pillay Engineering College,
Nagapattinam - 641 002

SUBJECT MATERIAL

Module II - HTML

HTML INTRODUCTION

What is HTML?

- HTML stands for **Hyper Text Markup Language**
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- A markup language is a set of **markup tags**.
- HTML uses **markup tags to describe web pages**.
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML is **not case sensitive language**.
- HTML documents **contain HTML tags and plain text**.
- HTML tags are keywords surrounded by angle brackets like <html>

HTML Parts

- An HTML document consists of 3 main parts
 - DOCTYPE declaration
 - <head> section
 - <body> section

A Simple HTML Document - Example

```
<!DOCTYPE html>
<html>
<head>
<title> Welcome to Web Technology </title>
</head>
<body>
<h1>Web Technology</h1>
<p>My first paragraph.</p>
</body>
</html>
```

Example Explained

- The **<!DOCTYPE html>** declaration defines that this document is an HTML5 document
- The **<html>** element is the root element of an HTML page
- The **<head>** element contains meta information about the HTML page
- The **<title>** element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)

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- The <body> element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.
- The <h1> element defines a large heading
- The <p> element defines a paragraph

Start Tag / Opening Tag	Element Content	End Tag / Closing Tag
<h1>	My First Heading	</h1>
<p>	My first paragraph.	</p>
 	none	none

HTML syntax

1. The DOCTYPE
2. Elements
3. Attributes
4. Comments

DOCTYPE

<!DOCTYPE html> - Required Header

Elements

<element> </element>

↑ ↑ ↑
 Start tag Content End tag

Attributes

<element attribute = "value">

↑ ↑
 Name Value

- <HTML> - Describe HTML web page that is to be viewed by a web browser.
- <HEAD> - This defines the header section of the page.
- <TITLE> - This shows a caption in the title bar of the page.
- <BODY> - This tag show contents of the web page will be displayed.

Types of HTML Tags

There are two different types of tags:

- **Container Element**
 - Container Tags contains start tag & end tag i.e. <HTML>... </HTML>
- **Empty Element**
 - Empty Tags contains start tag i.e.
 - break

HTML Editors

- Learn HTML Using Notepad or any TextEditor(sublime texteditor)
- Web pages can be created and modified by using professional HTML editors.
- However, for learning HTML we recommend a simple text editor like Notepad (PC).

Follow the steps below to create your first web page with Notepad

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Step 1: Open Notepad (PC)


Windows 8 or later:

- Open the **Start Screen** (the window symbol at the bottom left on your screen).
Type **Notepad**.

Windows 7 or earlier:

- Open **Start > Programs > Accessories > Notepad**

Step 2: Write Some HTML Code



```
Untitled - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
<body>

<h1>My First Heading</h1>

<p>My first paragraph.</p>

</body>
</html>
```

Step 3: Save the HTML Page

Save the file on your computer. Select **File > Save (or) press button ctrl+S**.

You can use either .htm or .html as file extension.

Step 4: View the HTML Page in Your Browser

Open the saved HTML file in your favorite browser (double click on the file, or right-click - and choose "Open with").

The result will look much like this:

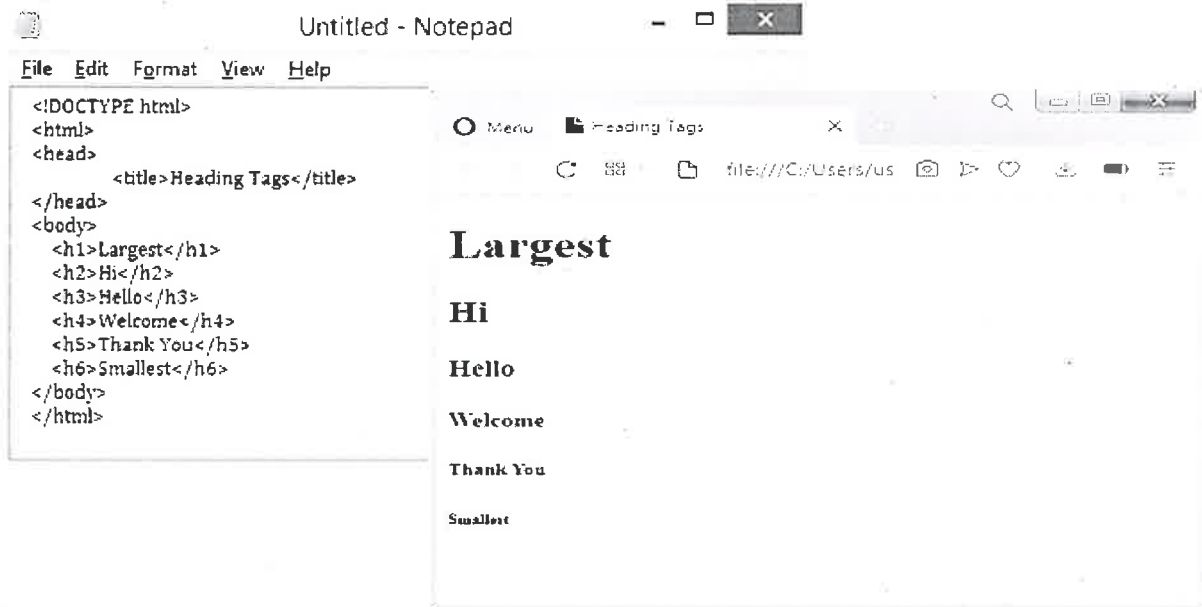


TEXT FORMATTING TAGS

Heading Tags

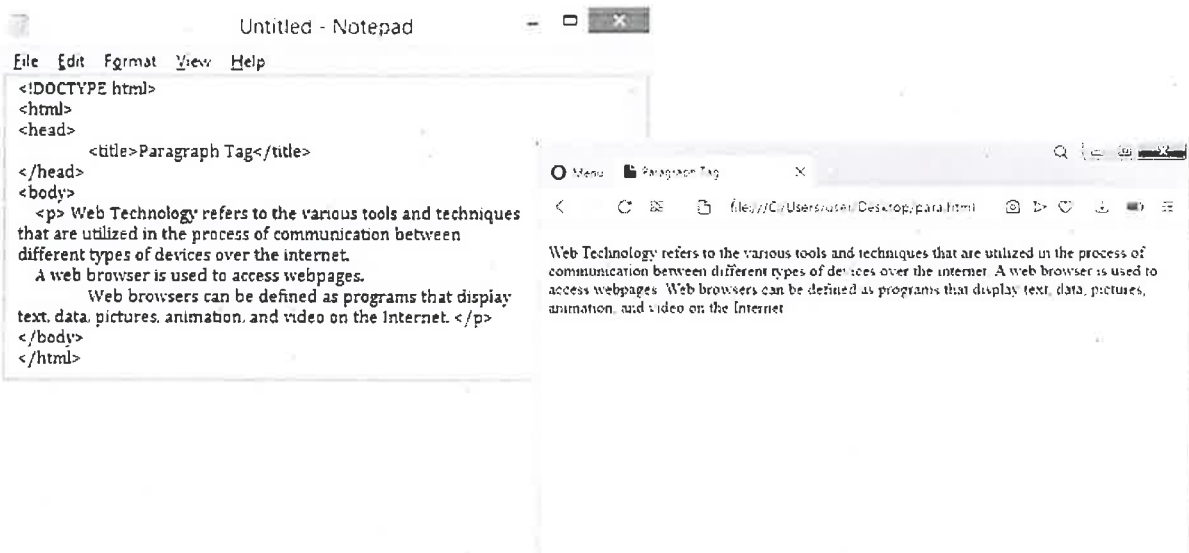
- There are **six** heading elements (<h1>,<h2>,<h3>,<h4>,<h5>,<h6>)
 - All the six heading elements are **container tag** and requires a closing tag.
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- `<h1>` will print the **largest heading**
- `<h6>` will print the **smallest heading**



HTML Paragraph Tag

- A paragraph always starts on a new line, and is usually a block of text.
- The HTML `<p>` element defines a paragraph.
- A paragraph always starts on a new line, and browsers automatically add some white space (a margin) before and after a paragraph.



HTML Display

- You cannot be sure how HTML will be displayed.
- Large or small screens, and resized windows will create different results.

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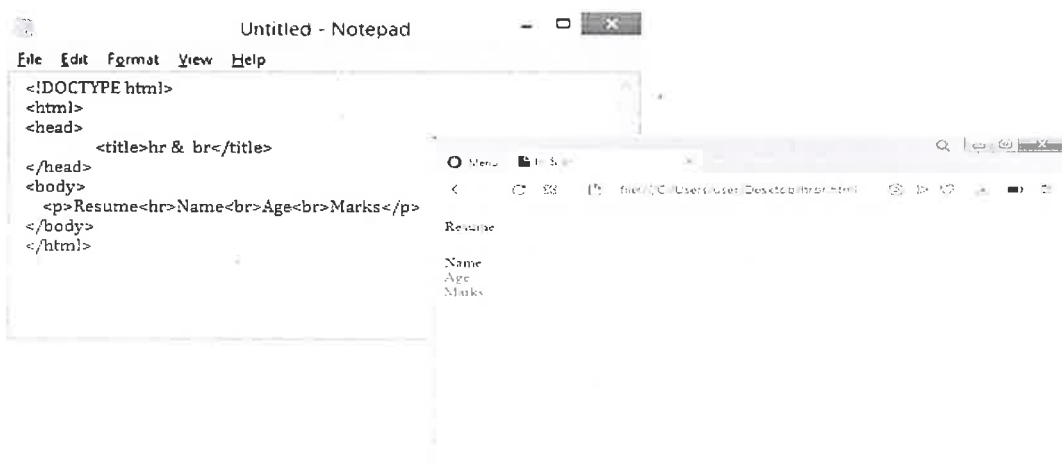
- With HTML, you cannot change the display by adding extra spaces or extra lines in your HTML code.
- The browser will automatically remove any extra spaces and lines when the page is displayed.

HTML Horizontal Rules

- The `<hr>` tag defines a thematic break in an HTML page, and is most often displayed as a horizontal rule.
- The `<hr>` element is used to separate content (or define a change) in an HTML page.
- The `<hr>` tag is an empty tag, which means that it has no end tag.

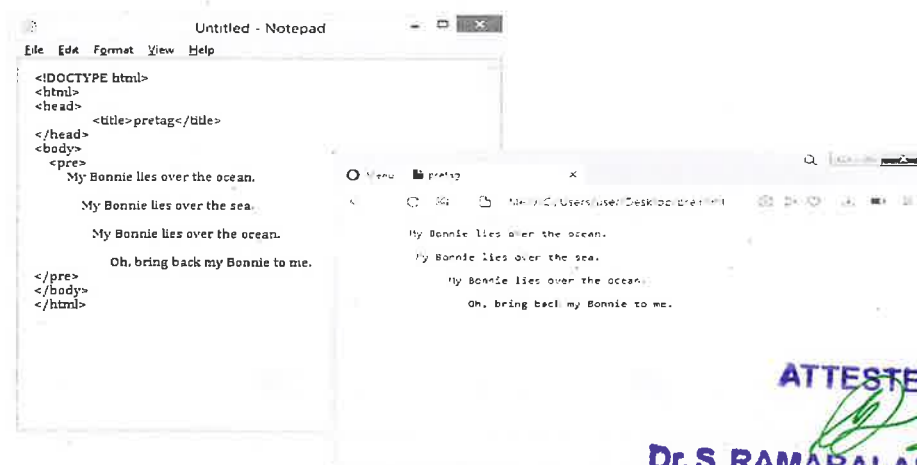
HTML Line Breaks

- The HTML `
` element defines a line break.
- Use `
` if you want a line break (a new line) without starting a new paragraph:
- The `
` tag is an empty tag, which means that it has no end tag.



The HTML `<pre>` Element

- The HTML `<pre>` element defines preformatted text.
- The text inside a `<pre>` element is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks:



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DEPARTMENT OF CSE**

VALUE ADDED COURSE ON “WEB DESIGNING”

From 27/11/2017 To 02/12/2017

Assessment Questions – SET 1

Maximum Marks: 20 Marks

Multiple Choice Questions (20*1 = 20)

1. Webpage starts with which of the following tag?
 - a) <Body>
 - b) <Title>
 - c) <Html>
 - d) <Form>
2. <DT> tag is designed to fit a single line of our web page but <DD> tag will accept a
 - a) line of text
 - b) full paragraph
 - c) Word
 - d) Request
3. Web pages specifically for the _____.
 - a) TV screen
 - b) mobile screen
 - c) computer screen
 - d) ATM screen
4. The process of transferring files from a web page on the internet to your computer is called as
 - a) Uploading
 - b) Forwarding
 - c) Transferring
 - d) Downloading
5. To make your website mobile friendly, you can make your website
 - a) Responsive
 - b) Reactive
 - c) Fast Loading
 - d) Light
6. Which of the following softwares could be used to build a website
 - a) Power Point
 - b) Excel
 - c) Dream Weaver
 - d) ERP

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7. What is the correct syntax of doctype in HTML5?
 - a) </doctype html>
 - b) <doctype html>
 - c) <doctype html!>
 - d) <!doctype html>

8. Which of the following tag is used for inserting the largest heading in HTML?
 - a) head
 - b) <h1>
 - c) <h6>
 - d) heading

9. Which tag is used to underline the text in HTML?
 - a) <p>
 - b) <u>
 - c) <i>
 - d)

10. What is the use of <hr/> tag in HTML?
 - a) For making content appearance italics
 - b) To create vertical rule between sections
 - c) To create a line break
 - d) To create horizontal rule between sections

11. Which of the following is not the element associated with HTML table layout?
 - a) size
 - b) spanning
 - c) alignment
 - d) color

12. Which of the following is not the value for rules attribute?
 - a) vsides
 - b) rows
 - c) all
 - d) groups

13. Which of the following tag is used to embed css in html page?
 - a) <css>
 - b) <!DOCTYPE html>
 - c) <script>
 - d) <style>

14. Which of the following CSS selector is used to specify a rule to bind a particular unique element?
 - a) tag
 - b) id
 - c) class
 - d) both class and tag

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15. Which of the following CSS property is used to make the text bold?
- text-decoration: bold
 - font-weight: bold
 - font-style: bold
 - text-align: bold
16. Which of the following is not included in the framework?
- font sizes
 - css reset
 - button styles
 - forms
17. Which is not a tool to build responsive websites?
- skeleton
 - bookmarklets
 - code editors
 - web browsers
18. What is the range of dimension for small devices?
- 450px to 700px
 - 768px to 991px
 - 992px to 1199px
 - 120px to 500px
19. Which defines style for body of the modal?
- .modal
 - .modal-content
 - .modal-body
 - .modal-dialog
20. Which of the following are the fades in a tab?
- .in
 - .info
 - .initialism
 - .icon-prev

Answers:

1	2	3	4	5	6	7	8	9	10
c	b	c	d	a	c	d	b	b	d
11	12	13	14	15	16	17	18	19	20
d	a	d	b	b	d	a	b	c	a

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DEPARTMENT OF CSE**

VALUE ADDED COURSE ON "WEB DESIGNING"

From 04/12/2017 to 09/12/2017

Assessment Questions – SET 2


Maximum Marks: 20 Marks

Multiple Choice Questions (20*1 = 20)

1. Web page editors works on a ____ principle.
(A) WWW
(B) HTML
(C) WYSIWYG
(D) WYGWYSI
2. How many colour names are used by the browsers?
(A) 8
(B) 10
(C) 12
(D) 16
3. What are shared on the Internet and are called as Web pages?
(A) Programs
(B) Cables
(C) Hypertext documents
(D) None
4. Software applications used for creating web pages and web sites are called as ____
(A) Web programs
(B) Web page editors
(C) Web master
(D) Web links
5. How can you make a bulleted list?
(A) <list>
(B) <nl>
(C)
(D)
6. Which attribute is used to name an element uniquely?
(A) class
(B) id
(C) dot
(D) All of above

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7. HTML document start and end with which tag pairs?
- (A) <HEAD>....</HEAD>
 - (B) <BODY>....</BODY>
 - (C) <HTML>....</HTML>
 - (D) <WEB>....</WEB>
8. Which tag allows you to add a row in a table?
- (A) <td> and </td>
 - (B) <cr> and </cr>
 - (C) <th> and </th>
 - (D) <tr> and </tr>
9. Which are used with a tag to modify its function?
- (A) Files
 - (B) Functions
 - (C) Attributes
 - (D) Documents
10. Which attribute can be used with BODY tag to set background color green?
- (A) background="green"
 - (B) bgcolor="green"
 - (C) vlink="green"
 - (D) None of above
11. What is CSS stands for?
- (A) Cascading Style Sheets
 - (B) Cascade Style Sheet
 - (C) Color Style Sheets
 - (D) Color Style Sheet
12. In a CSS file, there is a CSS rule for paragraphs tags – what does p can be called?
- (A) Selector
 - (B) Attribute
 - (C) Property
 - (D) Tag
13. Internal styles are written within the _____ element.
- (A) <style>...</style>
 - (B) <css>...</css>
 - (C) <stylesheet>...</stylesheet>
 - (D) Both A and B
14. Which property is used to define the text color?
- (A) text-color
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 - (C) font-color
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15. The CSS property used to specify the transparency of an element is?
 (A) Opacity
 (B) Visibility
 (C) Filter
 (D) None of the above
16. How many columns are there in the basic grid of a skeleton?
 (A) 17
 (B) 12
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 (A) .navbar-toggle
 (B) .navbar-text
 (C) .navbar-static-top
 (D) .navbar-right
20. Which class indicates the current page?
 (A) .active
 (B) .disables
 (C) .pagination-sm
 (D) .pagiantion-lg

Answers:

1	2	3	4	5	6	7	8	9	10
C	D	C	B	C	B	C	D	C	B
11	12	13	14	15	16	17	18	19	20
A	A	A	B	A	B	D	A	A	A

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- (A) .active
- (B) .disables
- (C) .pagination-sm
- (D) .pagiantion-lg

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Department of CSE				
Academic Year : 2017-2018				
Value added course on Web Designing				
Mark Sheet				
S. No	Register Number	Name	Batch	Marks
1.	820815104001	Abinaya K	I	18
2.	820815104002	Abinaya. R	I	16
3.	820815104003	Aishwarya S	I	16
4.	820815104004	Ajay R	I	17
5.	820815104005	Akalya S	I	17
6.	820815104006	Anbukani A	I	16
7.	820815104007	Aravinth.R	I	18
8.	820815104008	Arthi G	I	15
9.	820815104009	Arul Mary. A	I	15
10.	820815104010	Aruna Devi P	I	15
11.	820815104011	Arun Kumar. R	I	16
12.	820815104012	Bhuvaneshwari R	I	16
13.	820815104013	Deepika S	I	16
14.	820815104014	Desiga. K	I	14
15.	820815104015	Devi R	I	15
16.	820815104016	Dharmakaviraj B	I	15
17.	820815104017	Dhevasena. Rm	I	16
18.	820815104018	Dhivya M	I	16
19.	820815104019	Dhivyabarathi M	I	18
20.	820815104020	Divya M	I	15
21.	820815104021	Elakkia G	I	18
22.	820815104022	Geetha.R	I	15
23.	820815104023	Gowri C	I	16
24.	820815104024	Gunachitra G	I	17
25.	820815104025	Hadjinisa. M	I	17
26.	820815104026	Hameed Sulthan Maricar M	I	17
27.	820815104027	Indira. N	I	17
28.	820815104028	Janarthanam V	I	16
29.	820815104030	Kalaiyarasi. K	I	17
30.	820815104031	Karthi. L	I	18
31.	820815104032	Karthika.M	I	14
32.	820815104033	Karthika S	I	17
33.	820815104034	Karthikayani S	I	17
34.	820815104035	Kavashkar. S	I	18
35.	820815104036	Kaviyazhagan G	I	15
36.	820815104037	Kowsalya S	I	16

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37.	820815104038	Lavanya.M	I	17
38.	820815104039	Mahalakshmi R	I	17
39.	820815104040	Mahalakshmi.R	I	17
40.	820815104041	Maheswari.S	I	17
41.	820815104042	Mangaiyarkarasi .G	I	15
42.	820815104043	Manikandan. P	I	18
43.	820815104044	Mathan Narayanan Samy.P	I	15
44.	820815104045	Meena T	I	17
45.	820815104046	Mohamed Faisal R	I	17
46.	820815104048	Natarajan. A	I	18
47.	820815104049	Nivedha. K	I	17
48.	820815104050	Nivetha N	I	16
49.	820815104051	Oviya. K	I	16
50.	820815104052	Pavithra. R	I	15
51.	820815104053	Preethi. B	I	15
52.	820815104054	Preethi S	I	17
53.	820815104055	Priadharshini. S	I	15
54.	820815104056	Priyadharshini. P	I	17
55.	820815104057	Priadharshini R	I	18
56.	820815104058	Priyanga C	I	15
57.	820815104059	Ragaranjani. R	I	17
58.	820815104060	Rajalakshmi.G	I	17
59.	820815104061	Ranjani S	I	15
60.	820815104062	Sabitha.S	I	17
61.	820815104063	Sajee.C	I	16
62.	820815104064	Sakthivel C	I	18
63.	820815104065	Sandhiya S	I	16
64.	820815104066	Sangavi K	I	15
65.	820815104067	Sangeetha. M	I	17
66.	820815104068	Saravanan M	I	17
67.	820815104069	Sargunam T	I	15
68.	820815104070	Sattiya Lakshmi M	I	15
69.	820815104071	Siddhanathan R	II	17
70.	820815104072	Sindhuja.J	II	17
71.	820815104073	Siva T	II	17
72.	820815104074	Sivadharani.R	II	17
73.	820815104075	Sivathanusu P	II	16
74.	820815104076	Sobika R	II	18
75.	820815104077	Sriram.M	II	15
76.	820815104078	Subasri T	II	15
77.	820815104079	Suvithan.V	II	16
78.	820815104080	Swathi. P	II	14
79.	820815104081	Swathi. S	II	15
80.	820815104082	Thamizhselvi.T	II	17


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81.	820815104084	Thendral B	II	16
82.	820815104085	Thiripurasundari M	II	16
83.	820815104086	Uma V	II	15
84.	820815104087	Viji R	II	15
85.	820815104088	Vinitha V	II	16
86.	820815104089	Vinothini T	II	14
87.	820815104090	Yamuna.R	II	15
88.	820815104301	Kalaimozhi. S	II	17
89.	820815104302	Kathiravan P	II	18
90.	820815104303	Nirmanrajan T	II	17
91.	820815104304	Rathish R	II	17
92.	820815104305	Sandhiya.L	II	17
93.	820815104306	Sridevi. R	II	19
94.	820815104307	Surya. V	II	17
95.	820815104701	Abinaya.P	II	17
96.	820815104702	Kiruthika. B	II	17
97.	820814104008	Akileshwari U	II	17
98.	820814104009	Ananthi R	II	17
99.	820814104010	Ananthi T	II	18
100.	820814104014	Bhuvaneshwari G	II	18
101.	820814104016	Devipriya S	II	15
102.	820814104018	Divyalakshmi S	II	15
103.	820814104019	Durga M	II	15
104.	820814104020	Elakkiya S	II	16
105.	820814104021	Hemavathi K	II	16
106.	820814104023	Janani V	II	16
107.	820814104025	Kalaivani V	II	14
108.	820814104026	Kalki T	II	15
109.	820814104028	Kanimozhi K	II	15
110.	820814104029	Karthika P	II	16
111.	820814104030	Kowsalya D	II	16
112.	820814104034	Manikandan S	II	18
113.	820814104035	Manirathnam N	II	15
114.	820814104036	Mano S	II	18
115.	820814104040	Mohamed Riswan Ali M A	II	16
116.	820814104047	Prethivi V	II	16
117.	820814104048	Priyadharshini A	II	17
118.	820814104049	Priyanka K	II	18
119.	820814104050	Rajalakshmi R	II	17
120.	820814104051	Rajesh R	II	17
121.	820814104053	Ramya R	II	16
122.	820814104054	Ranjitha R	II	17
123.	820814104057	Santhakumar A	II	18
124.	820814104058	Saranya P	II	18

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125.	820814104060	Sathishkumar C	II	17
126.	820814104061	Shanmuganandham S	II	17
127.	820814104066	Sritharan M	II	18
128.	820814104067	Sudha P	II	16
129.	820814104068	Suganya U	II	17
130.	820814104069	Thenmozhi V R	II	18
131.	820814104071	Udhayanithi B	II	17
132.	820814104304	Bharathapriya P	II	17
133.	820814104305	Dharani V	II	18
134.	820814104311	Ranjith R	II	15
135.	820814104312	Sathiyamoorthy T	II	18
136.	820814104313	Sharmila V	II	15


COURSE COORDINATORS


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DEPARTMENT OF CSE
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E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Value Added Course on "Web Designing"
Impact analysis report

S.NO	REGISTER No	STUDENT NAME	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
1.	820815104001	Abinaya K	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
2.	820815104002	Abinaya.R	1	0	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	0	1
3.	820815104003	Aishwarya S	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1
4.	820815104004	Ajay R	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0
5.	820815104005	Akalya S	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	1
6.	820815104006	Anbukani A	1	1	1	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	0
7.	820815104007	Aravinth.R	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1
8.	820815104008	Arthi G	1	1	0	1	1	1	1	0	1	1	1	1	0	1	1	1	1	0	1	1
9.	820815104009	Arul Mary.A	1	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0	1
10.	820815104010	Aruna Devi P	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0
11.	820815104011	Arun Kumar. R	1	1	1	1	0	1	1	0	1	1	1	1	1	0	1	1	0	1	1	1
12.	820815104012	Bhuvaneshwari R	1	1	1	0	0	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1
13.	820815104013	Deepika S	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	0
14.	820815104014	Desiga. K	1	1	1	0	0	1	1	0	1	0	1	1	1	1	0	1	1	1	1	0
15.	820815104015	Devi R	1	1	1	0	0	1	1	1	1	0	1	1	1	1	0	1	1	1	1	0
16.	820815104016	Dharmakaviraj B	1	1	1	0	1	1	1	0	1	1	0	1	0	0	1	1	1	1	1	1
17.	820815104017	Dhevasena. Rm	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	0	1	1	1	1
18.	820815104018	Divya M	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0
19.	820815104019	Divyabarathi. M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1
20.	820815104020		1	1	1	1	0	1	0	1	0	1	0	1	1	1	1	1	1	0	1	1
21.	820815104021		1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1
22.	820815104022		1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1
23.	820815104023		1	1	1	0	0	1	1	1	1	1	1	1	0	1	0	1	0	1	1	1

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101.	820814104016	Devipriya S	1	1	0	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	1	0	1	
102.	820814104018	Divyalakshmi S	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	
103.	820814104019	Durga M	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	0		
104.	820814104020	Elakkiya S	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1		
105.	820814104021	Hemavathi K	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1		
106.	820814104023	Janani V	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
107.	820814104025	Kalaivani V	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0		
108.	820814104026	Kalki T	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
109.	820814104028	Kanimozhi K	1	1	1	0	0	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1		
110.	820814104029	Karthika P	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1		
111.	820814104030	Kowsalya D	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
112.	820814104034	Manikandan S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1		
113.	820814104035	Manirathnam N	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
114.	820814104036	Mano S	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
115.	820814104040	Mohamed Riswan Ali M A	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
116.	820814104047	Prethivi V	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1		
117.	820814104048	Priyadharshini A	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1		
118.	820814104049	Priyanka K	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
119.	820814104050	Rajalakshmi R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
120.	820814104051	Rajesh R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
121.	820814104053	Ramya R	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
122.	820814104054	Ranjitha R	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
123.	820814104056	Sakumar A	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1		
124.	820814104058	Saranya P	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
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Mapping of Course Outcomes Vs Program Outcomes

CO Number	Competency	Cognitive level
CO1	Explain the basics of Web Design	Understand
CO2	Develop Web Pages using HTML	Apply
CO3	Design Web Pages with CSS	Apply
CO4	Implement responsive web pages	Apply

CO to PO Mapping

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	-	2	2	-	2	-	-	3	3	3
CO2	2	-	-	-	1	-	-	-	-	2	1	-
CO3	3	3	-	2	2	-	3	-	-	3	3	3
CO4	2	-	-	2	2	-	-	-	-	2	3	3

CO to PSO Mapping

Course Outcome	PSO1	PSO2
CO1	2	3
CO2	-	-
CO3	2	3
CO4	1	2

1. Slight(Low) 2. Moderate(Medium) 3.Substantial(High) “-“ No Correlation

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DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

E.G.S.PILLAY ENGINEERING COLLEGE (Autonomous)

NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEEDBACK FORM FOR VALUE ADDED COURSES

Academic Year: 2017-18

Batch: 2015-2019

Name of the Value Added Course: web Designing

Semester: IV year

Student Name: T. Meena

Register Number: 820815104045

Staff Handling: Dr. K. Balasubramanian

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course Content		✓			
2	Skill Development	✓				
3	Motivation	✓				
4	Regularity and Punctuality of teacher		✓			
5	Coverage of syllabus	✓				
6	Interaction	✓				
7	Individual attention	✓				
8	Outcome		✓			
9	Any Other suggestions	The session was very useful.				

Signature of the student

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E.G.S.PILLAY ENGINEERING COLLEGE (Autonomous)

NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEEDBACK FORM FOR VALUE ADDED COURSES

Academic Year : 2017-2018

Batch: 2015-2019

Name of the Value Added Course: web Designing

Semester: V

Student Name: T. Subasri

Register Number: 820815104078

Staff Handling: Mr. S. Aravindhan

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course Content	✓				
2	Skill Development	✓				
3	Motivation	✓				
4	Regularity and Punctuality of teacher		✓			
5	Coverage of syllabus	✓	✓			
6	Interaction		✓			
7	Individual attention	✓				
8	Outcome	✓				
9	Any Other suggestions	Very Interesting session.				


Signature of the student

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**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF CSE**

COURSE SUMMARY REPORT

1. Title: Web Designing
2. Name of Speaker:
 1. Mr.S.Aravindhnan
 2. Dr.K.Balasubramanian
3. Speaker Details:
 1. Assistant Professor, CSE Department, EGSPEC.
 2. Associate Professor, CSE Department, EGSPEC.
4. Date of speaker's presentation:
27.11.2017 – 02.12.2017 & 04.12.2017 – 09.12.2017
5. Duration : 36 Hours
6. Beneficiary Details:
UG - III & IV YEAR CSE Students
7. Coordinators:
 1. Dr.T.Ganesan(Prof., CSE., EGSSPEC)
 2. Mr. S.Aravindhnan (Asst. Prof., CSE,EGSPEC)

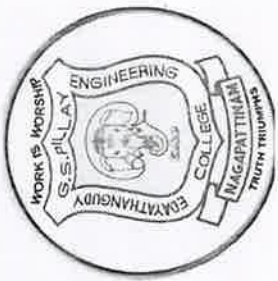
More about this Course:

The value added course on web designing is intended to teach students the fundamentals of web development in a project-based learning environment. This course will introduce you to the realm of web design. The first and necessary step for that goal is to understand how HTML works, and then we will proceed to more advanced and complicated structures and concepts of web design, such as CSS and layout control. Web design is a multi-disciplinary job, where you'd need not only knowledge in design but also skills in developing a website (HTML, CSS, JavaScript). Students gained an in-depth knowledge on basics of web designing. Students felt that this course was very much helpful for them and they got real time exposure on Web Designing. It is planned to extend this value added course training in the next semester with database connectivity and hence it will be helpful to create a web page.

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(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
(Accredited by NAAC with 'A' Grade & NBA)

Old Nagore Road, Thethi, Nagapattinam - 611002, Tamil Nadu, India

Department of Computer Science and Engineering

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

MR./MS. RANJANI.S

has successfully completed the value added course on "Web Designing"
conducted by Department of Computer Science and Engineering, E.G.S.
Pillay Engineering College, Nagapattinam from 27/11/2017 to 02/12/2017.

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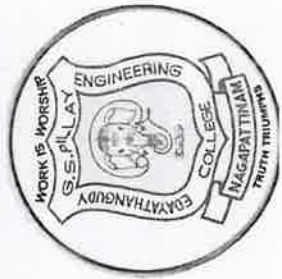
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Nagapattinam (Dt) Tamil Nadu.

Coordinator

HoD/CSE

Principal

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
(Accredited by NAAC with 'A' Grade & NBA)
Old Nagore Road, Thethi, Nagapattinam - 611002, Tamil Nadu, India

Department of Computer Science and Engineering

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

MR./MS. ABINAYAK

has successfully completed the value added course on "Web Designing"
conducted by Department of Computer Science and Engineering, E.G.S.
Pillay Engineering College, Nagapattinam from 27/11/2017 to 02/12/2017.

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

**E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**

Coordinator

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Principal

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)



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(Accredited by NAAC with 'A' Grade & NBA)

Old Nagore Road, Thethi, Nagapattinam - 611002, Tamil Nadu, India

Department of Computer Science and Engineering

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

MR./MS. SRIDEVI.R

has successfully completed the value added course on "Web Designing"
conducted by Department of Computer Science and Engineering, E.G.S.
Pillay Engineering College, Nagapattinam from 04/12/2017 to 09/12/2017.

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

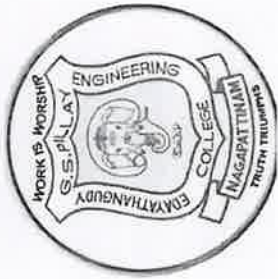
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

Principal

HoD/CSE

Coordinator

E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS)



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
(Accredited by NAAC with 'A' Grade & NBA)
Old Nagore Road, Thethi, Nagapattinam - 611002, Tamil Nadu, India

Department of Computer Science and Engineering

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

MR./MS. KATHIRAVAN.P

has successfully completed the value added course on "Web Designing"
conducted by Department of Computer Science and Engineering, E.G.S.
Pillay Engineering College, Nagapattinam from 04/12/2017 to 09/12/2017.

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (DT) Tamil Nadu.

Coordinator

HoD/CSE

Principal

**E.G.S. Pillay Engineering College (Autonomous),
Nagapattinam**

Department Of Computer Science & Engineering

Organized

ONE WEEK

VALUE ADDED COURSE

ON

CRYPTOLOGY FOR BEGINNERS

Date: 21.05.2018 – 26.05.2018

**Coordinator
Dr.K.Balasubramanian
ASP/CSE**

**Convener
Dr.M.Chinnadurai
Prof./HOD/CSE**

EGS PILLAY ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF CSE

Value Added Course on

“CRYPTOLOGY FOR BEGINNERS”


TABLE OF CONTENT

S.No	Content	Page No.
1.	Requisition Letter	1
2.	Brochure	2-3
3.	Circular	4
4.	Program Schedule	6
5.	Syllabus	7
6.	Enrollment List	8
7.	Student Attendance	9 To 10
8.	Material	11 To 14
9.	Assessment Questions	15 To 17
10.	Sample Answer Sheet	18 To 30
11.	Mark Statement	21
12.	Impact Analysis Report with CO's & PO Mapping	22 To 23
13.	Feedback	24 To 25
14.	Course Summary Report	26
15.	Sample Certificates	27 To 29
16.	Sample Photo	30

ATTESTED


Dr. S. RAMABALAM, M.E., Ph.D.,
PRINCIPAL

E.G.S.Pillay Engineering College,
Thothu, Nagapattinam - 611 002.
Nagapattinam (DT) Tamil Nadu.


HEAD OF DEPARTMENT
DEPARTMENT OF CSE
HOD/CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

REQUISITION LETTER

Date: 11.05.2018

From

Dr.K.Balasubramanian,
Associate Professor/CSE,
Department of CSE,
E.G.S.Pillay Engineering College,
Nagapattinam.

To

The Principal,
E.G.S.Pillay Engineering College,
Nagapattinam.

Through

The Head of Department,
Department of CSE,
E.G.S.Pillay Engineering College,
Nagapattinam.



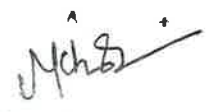
Respected Sir,

Sub: Value Added Course – Reg

We are happy to inform you that we have planned to organize one week value added course title on “**Cryptology for Beginners**” for PG II Year CSE Students from 21.05.2018 to 26.05.2018. Herewith, I have enclosed name list and session details. Kindly give permission for conducting value added course.

Thanking you,

yours faithfully,


HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Pillay Engineering College,
Nagapattinam - 611 002

[Dr.K.Balasubramanian]


ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S Pillay Engineering College,
Thethi Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Convenor:

Prof. Dr. M. CHINNADURAI
Professor & Head
CSE

Course Coordinator:

Mr. K. BALASUBRAMANIYAN
Associate Professor
CSE

Resource Person:

Mr. G. ARULSELVAN
Assistant Professor
CSE

ATTESTED

Dr. S. RAMAPATNAM
Beneficiaries:

2016-18 Batch PG CSE
Students

Organized by

DEPARTMENT OF COMPUTER
SCIENCE & ENGINEERING

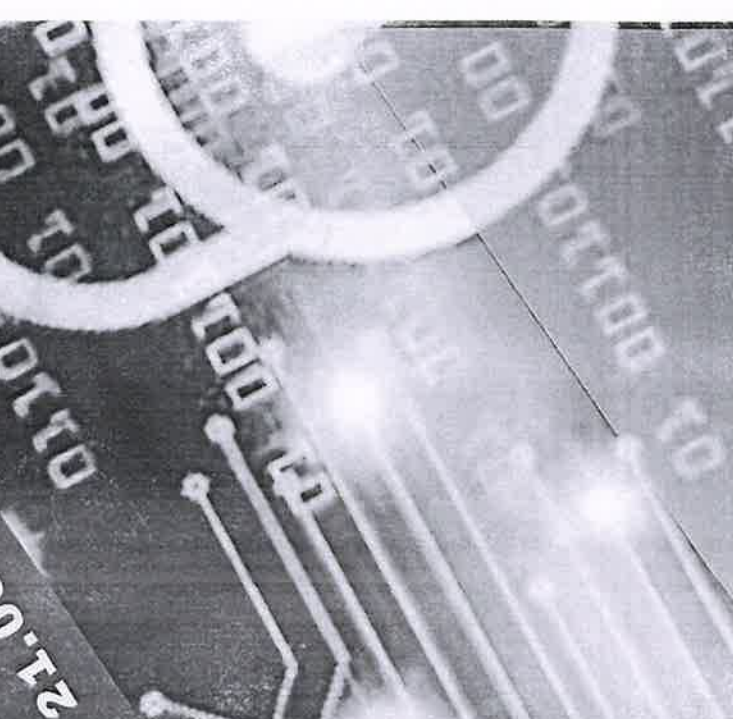
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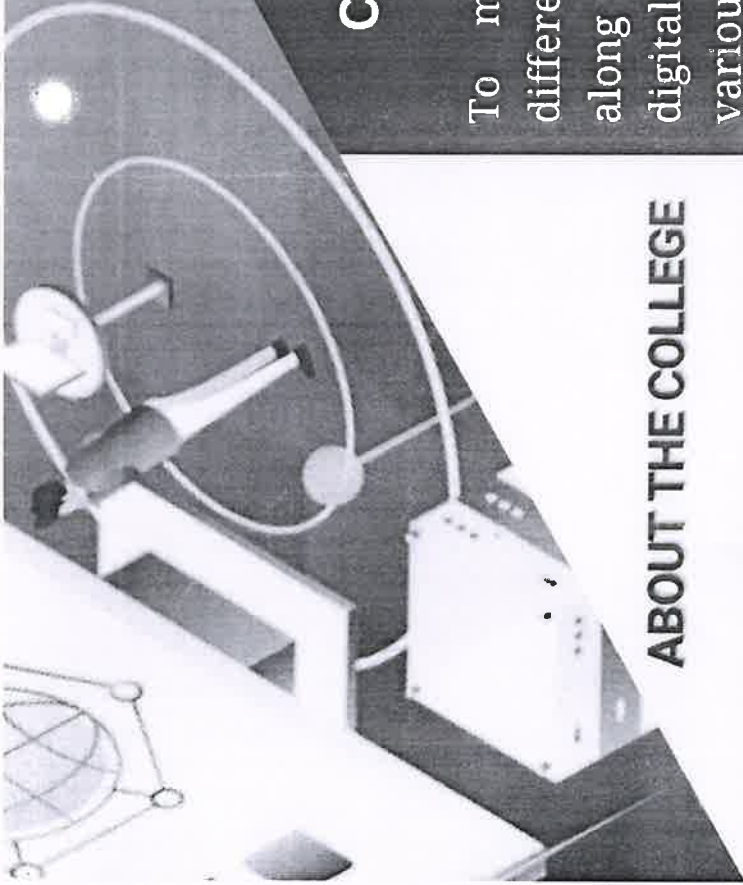


E.G.S. PILLAY
ENGINEERING COLLEGE
(AUTONOMOUS)
NAGAPATTINAM

ONE WEEK
VALUE ADDED COURSE
ON
"CRYPTOLOGY FOR
BEGINNERS"

Date: 21.05.18 - 26.05.18





ABOUT THE COLLEGE

EGS Pillay Engineering College was started in the year 1995 under the sponsorship of G. S. Pillay & Sons Educational and Charitable Trust. College has gained the reputation of being most preferred engineering college by the students. College is approved by the AICTE, New Delhi and is affiliated to Anna University from 2002 and the degrees are awarded by Anna University, as per the Government Orders. It is ISO 9001:2008 certified.

The College has ~~earned~~ the reputation of being one of the ~~most~~ preferred colleges by the students and parents all these years. Known for its excellent infrastructure and facilities for learning ~~Dr. S. Ramabalan M.E., Ph.D.~~ **Dr. S. Ramabalan M.E., Ph.D.** principal, non-graduate engineering college ~~has been inaugurated on 02.02.2002.~~ **Dr. S. Princy Engineering College,** consisted of ~~at~~ **Dr. Jambin Narayana**, the college has now set on long-range planning to enlarge and enrich its programs and activities to empower the youth who aspire to become

Department of Computer Science and Engineering programme was introduced at Edayathangudy G.S.Pillay Engineering College in the Academic Year 1995-1996. The demand for Computer Engineers in software companies, banking sectors and private sectors engaged in developing new trends of software generation is more than the engineers available.

The department has Recognized Research Centre for doing PhD / M.S. (By Research), obtained Permanent Affiliation from Anna University in the year 2014-15. The department has formed student association namely Computer Engineers Association (CEA) to promote talent of the students and their upliftment. The department has highly qualified and experienced faculties. The department has well experienced faculties in the research and more number of publications in reputed Journals and Conferences.

The department has well infrastructural facilities. From 2011 onwards every year, we are conducting International and National conferences. The B.E (CSE) programme was accredited by NBA in the year 2016.

Course Objectives:

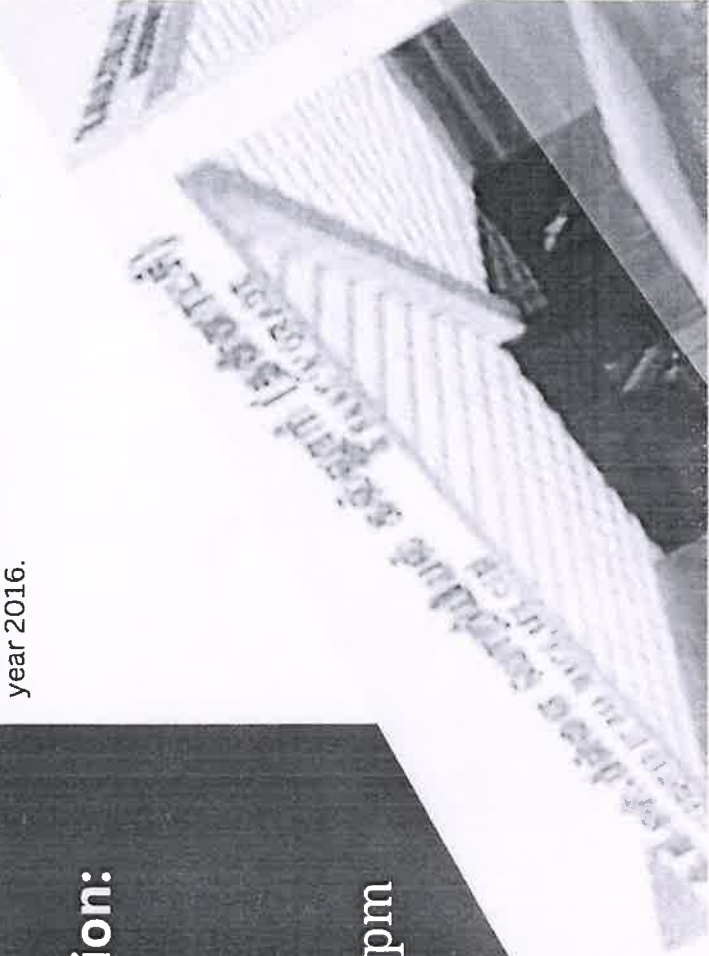
To make the student learn different encryption techniques along with hash functions, MAC, digital signatures and their use in various protocols for network security and system security.

Course Duration:

40 Hours

Timings:

9:00 am - 5:00 pm



**E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),
NAGAPATTINAM,
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

EGSPEC/CSE/PG/VAC/2017-18/01

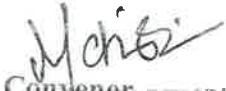
Date: 14.05.2018

CIRCULAR

It is to inform that Department of Computer Science and Engineering is going to organize a Value Added Course on “**Cryptology for Beginners**” from 21.05.2018 to 26.05.2018 (40 Hours) by, **Mr.G.Arulselvan**, Assistant Professor, Department of Computer Science and Engineering, E.G.S.Pillay Engineering College, Nagapattinam for PG-CSE Students. All the registered Final Year PG-CSE students are instructed to attend the course without fail.

Timings: 9:00 am – 5:00 pm

Venue: PGB - Digital Lab


Convenor
HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002


HOD/CSE
HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

ATTESTED


**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (CD) Tamil Nadu.

**E.G.S. PILLAY ENGINEERING COLLEGE (Autonomous)
NAGAPATTINAM**

DEPARTMENT OF CSE

Value Added Course on

“CRYPTOLOGY FOR BEGINNERS”

PROGRAM SCHEDULE

Date: 21.05.2018 – 26.05.2018

Date	Session	Topic
21.05.2018 DAY1	FN	Code, Plain Text, Monoalphabetic Substitution Ciphers: Addictive Ciphers, Modular Arithmetic, Multiplicative Cipher, Affine Cipher
	AN	Polyalphabetic Substitution Ciphers: Integer Matrices, Hill Digraph Cipher, Hill Trigraph Cipher
22.05.2018 DAY2	FN	Vignere Cipher, Playfair Cipher, Transposition Techniques, Rotor Machines
	AN	Stenography, ADD-0N-Block Cipher Principles, Data Encryption Standards
23.05.2018 DAY3	FN	The Strength of DES, Differential and Linear Crypt Analysis-Block Cipher Design Principles
	AN	Evaluation Criteria for AES, AES Cipher
24.05.2018 DAY4	FN	Multiple Encryption, Triple DES, Block Cipher
	AN	Modes of Operation, Stream Cipher
25.05.2018 DAY5	FN	Public key crypto Systems, Diffie Hellman Key Exchange
	AN	The RSA algorithm, Key Management Elliptic Curve Arithmetic
26.05.2018 DAY6	FN	Elliptic Curve Cryptosystems
	AN	Assessment Test


Session Timings:

FN: 9:00 am to 1:00 pm

AN: 2:00 pm to 5:00 pm

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


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DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002


SYLLABUS

VALUE ADDED COURSE ON CRYPTOLOGY FOR BEGINNERS		
COURSE OBJECTIVES:		
	1. To learn different encryption techniques along with hash functions	
	2. To use various protocols for network security and system security.	
MODULE I	INTRODUCTION & TERMINOLOGIES	8 Hours
Code – Plain Text – Monoalphabetic Substitution Ciphers: Addictive Ciphers , Modular Arithmetic. Multiplicative Cipher – Affine Cipher – Polyalphabetic Substitution Ciphers: Integer Matrices, Hill Digraph Cipher, Hill Trigraph Cipher, Vignere Cipher, Playfair Cipher		
MODULE II	BLOCK CIPHER AND DATA ENCRYPTION STANDARDS	8 Hours
Transposition Techniques, Rotor Machines, Stenography. ADD-ON-Block Cipher Principles, Data Encryption Standards		
MODULE III	ADVANCED ENCRYPTION STANDARDS	8 Hours
The Strength of DES, Differential and Linear Crypt Analysis- Block Cipher Design Principles – Evaluation Criteria for AES, the AES Cipher		
MODULE IV	SYMMETRIC KEY AUTHENTICATION	8 Hours
Multiple Encryption - Triple DES- Block Cipher - Modes of Operation, Stream Cipher		
MODULE V	PUBLIC KEY CRYPTOSYSTEMS	8 Hours
Public key crypto Systems, Diffie Hellman Key Exchange,- The RSA algorithm, Key Management Elliptic Curve Arithmetic, Elliptic Curve Cryptosystems		
		Total: 40 Hours
COURSE OUTCOMES:		
After completion of the course, Student will be able to		
CO1	Understand cryptography basics, algorithms and mathematical background for cryptography.	
CO2	Analyze the important cryptographic algorithms.	
CO3	Understand advanced encryption techniques	
CO4	Understand symmetric key encryption	
CO5	Understand public key cryptosystems	
REFERENCES:		
1. William Stallings: Cryptography And Network Security- Principles And Practice, 5th Edition, Pearson/PHI, 2011.		
2. Charlie Kaufman, Radia Perlman and Mike Speciner: “Network Security – Private Communication in a Public World”, 2nd Edition, Pearson/PHI, 2002.		
3. Whitman: “Principles of Information Security”, 3rd Edition, Thomson, 2009.		

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam, (Dt) Tamil N. St.


HEAD OF DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002


E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM


DEPARTMENT OF CSE

Value Added Course - "CRYPTOLOGY FOR BEGINNERS"

The following list of students had enrolled for the value added course on "CRYPTOLOGY FOR BEGINNERS" from 21/05/2018 to 26/05/2018 (6 Days).

S.NO	REGISTER NUMBER	NAME OF THE STUDENT
1.	820816405001	BABY SHALINI M
2.	820816405002	DEVI R
3.	820816405003	DHIVYA G
4.	820816405004	DHIVYA T
5.	820816405005	GOPERUNDEVI M
6.	820816405006	GURUBRINDHA K
7.	820816405007	ISWARYA V
8.	820816405008	KANIMOZHI A
9.	820816405009	PIRAVEENA P
10.	820816405010	PONVARDHINI T
11.	820816405011	PRADEEPA K
12.	820816405013	SHURUTHI N
13.	820816405014	VIGNESH K
14.	E17CPF001	ABARNA DEVI B
15.	E17CPF002	ANJALI K P
16.	E17CPF004	BAKYA G
17.	E17CPF008	JAYASHRI A
18.	E17CPF012	PREETHI R
19.	E17CPF013	SABIREEN
20.	E17CPF014	SHANTHINI S
21.	E17CPF015	SRILEKHA K
22.	E17CPF016	SUBASHRI P
23.	E17CPF018	VINOTHINI K


Course Coordinator


HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thattai, Nagapattinam - 611 002.
Nagapattinam (DT) Tamil Nadu.

E. G. S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(Academic Year: 2017-2018)

VALUE ADDED COURSE ON "CRYPTOLOGY FOR BEGINNERS"

PG – CSE | STUDENTS ATTENDANCE SHEET

S.No	Register Number	Name of Student	21.05.18		22.05.18		23.05.18		24.05.18		25.05.18		26.05.18	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	820816405001	BABY SHALINI M	/	/	/	/	/	/	/	/	/	/	/	/
2.	820816405002	DEVI R	/	/	/	/	/	/	/	/	/	/	/	/
3.	820816405003	DHIVYA G	AB	AB	/	/	/	/	/	/	/	/	/	/
4.	820816405004	DHIVYA T	/	/	/	/	/	/	/	/	/	/	/	/
5.	820816405005	GOPERUNDEVI M	/	/	/	/	/	/	/	/	/	/	/	/
6.	820816405006	GURUBRINDHA K	/	/	/	/	/	/	/	/	/	/	/	/
7.	820816405007	ISWARYA V	/	/	/	/	/	/	AB	AB	/	/	/	/
8.	820816405008	KANIMOZHI A	/	/	/	/	/	/	AB	AB	/	/	/	/
9.	820816405009	PIRAVEENA P	/	/	/	/	/	/	/	/	/	/	/	/
10.	820816405010	PONVARDHINIT	/	/	/	/	/	/	/	/	/	/	/	/
11.	820816405011	PRADEEPA K	/	/	/	/	/	/	/	/	/	/	/	/
12.	820816405013	SHURUTHIN	/	/	/	/	/	/	/	/	/	/	/	/
13.	820816405014	VIGNESH K	/	/	/	/	/	/	/	/	AB	AB	/	/
		ABARNA DEVI B	/	/	/	/	/	/	/	/	/	/	/	/
		ANJALI K P	/	AB	AB	/	/	/	/	/	/	/	/	/
		BAKYA G	/	/	/	/	/	/	/	/	/	/	/	/

ATTENDED
ATTENDED

Dr. S. RAMANATHAN
 Head of Department
 E.G.S. Pillay Engineering College,
 Nagapattinam - 617 012.

RA

HEAD OF THE DEPARTMENT
 DEPARTMENT OF CSE
 E.G.S. Pillay Engineering College.

17.	E17CPF008	JAYASHRI A	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18.	E17CPF012	PREETHI R	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	AB
19.	E17CPF013	SABIREEN	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
20.	E17CPF014	SHANTHINI S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
21.	E17CPF015	SRILEKHA K	/	/	/	/	/	AB	AB	/	/	/	/	/	/	/	/	/	/	/
22.	E17CPF016	SUBASHRI P	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
23.	E17CPF018	VINOTHINI K	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Total Present	22	22	22	22	22	22	22	22	21	21	21	22	22	22	22	22	22	22
		Total Absent	1	1	1	1	1	1	1	1	02	02	01	01	01	01	01	01	01	01
		Course Coordinator Signature	[Handwritten Signature]																	

[Handwritten Signature]

[Handwritten Signature]

HOD/CSE
DEPARTMENT
DEPARTMENT OF CSE
P.G.S. Pillay Engineering College,
Nagapattinam - 611 002

ATTESTED
[Handwritten Signature]
Bf.S. RAMABALAN, M.E., Ph.D.:
PRINCIPAL
P.G.S. Pillay Engineering College,
Preethi, Nagore - 611 002.
Nagapattinam, (TN) Tamil Nadu.

Subject Material

Cryptology for Beginners

Module - 1

1. Introduction and Terminology

Cryptology is defined as the science of making communication incomprehensible to all people except those who have a right to read and understand it. The study of cryptology consists of two parts:

- cryptography, which concerns itself with the secrecy system itself and its design, and
- cryptanalysis, which concerns itself with the breaking of the secrecy system above.

Most of us associate cryptography with the military, war, and secret agents. And, indeed, those areas have seen extensive use of cryptography. In World War II, for example, a great deal of effort was expended to create systems so that the high command could communicate with generals in the field over radio waves with the enemy not being able to decipher it. Even more time was spent in analyzing these messages and "breaking the code."

Today we need cryptology because of the everyday use of computers and the Internet. It is important for businesses to be able to protect the information in their computers. If you decide to buy a CD from Amazon.com using your credit card, it is important that no one but Amazon has the ability to read the file where your credit card number is stored. Electronic fund transfers have made privacy a great concern.

This booklet will help you understand some simple cryptography systems and teach you how to apply some techniques of cryptanalysis.

First, some terminology:

Code - a set of information that will allow words to be changed to other words or symbols. For instance, a code for the word "rifle" may be "escargot." That is not the type of cryptography that lends itself to analyze. The only way to decode a message is by having the set of words and their codes. If someone is able to get his hands on the codebook, then every secrecy message can be broken. We are interested in methods of cryptography that lend themselves to explainable techniques that can be performed to change a message into a secret one, and, more importantly, change back by people having the authorization and knowledge to do so.

Plaintext - the message that you wish to put into a secret form. Plaintext is usually written in all lower case letters without spaces. Numbers are written out and punctuation is ignored. So the message

"I will meet you at 5 PM in the mall" is written as:

iwillmeetyouatfivepminthemall

Another name for plaintext is called "clear." A message sent "in the clear" is sent without any attempt to alter it.

Cipher - the method for altering the plaintext

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Nagapattinam (Dt) Tamil Nadu.

Ciphertext - the secret version of the plaintext. So the plain text:

iwillmeetyouatfivepminthemall may be changed to:

NBNQQRJJYDTZFYKNAJURNSYMJRFQQ

To make reading the ciphertext easier, the letters are usually written in blocks of 5. The above is:

NBNQQ RJJYD TZFYK NAJUR NSYMJ RFQQ

Encipher - changing from plaintext to ciphertext

Decipher - changing from ciphertext to plaintext

Key - information that will allow someone to encipher the plaintext and also decipher the ciphertext

Converting letters to numbers - as we learn techniques of cryptography, it is necessary to work in numerical form. Computers are used in cryptanalysis and computers work better with numbers than letters. The simplest method used in converting a letter to a number and vice versa is by using its position in the alphabet: a = 1, b = 2, ... z = 26. Here is a chart used for conversion. Save it. We will make extensive use of it.

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Note that both lower case and capital letters have the same numerical value. When we have the letter "m" in plaintext, it will be converted to the number 13. When we have the number letter "U", it will be converted to the number 21.

2. Monoalphabetic Substitution Ciphers

Don't let this difficult word upset you. In a monoalphabetic substitution cipher, every character in the plaintext message is replaced with a unique alternative character in the ciphertext message.

A type of monoalphabetic substitution cipher is a cryptogram, usually found on the newspaper puzzle page. You are given a message such as

NBNQQ RJJYDT ZFYKN AJURN SYMJR FQQ

and try to reconstruct the plaintext message. Cryptograms are created using a key (a = G, b = X, c = K, ...) People attempt to solve cryptograms by knowing which letters are more likely to occur in English phrases and letters which are likely to occur next to each other. We will look at these facts later. But, we will not examine cryptograms because there is no rule that can be followed that goes from plaintext to ciphertext and vice versa. It is like the code book described above. If someone gets the code book, he has the key.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL

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Nagapattinam (Dt) Tamil Nadu.

A. The Additive (or shift) Cipher System

The first type of monoalphabetic substitution cipher we wish to examine is called the additive cipher. In this cipher method, each plaintext letter is replaced by another character whose position in the alphabet is a certain number of units away. We actually shift each letter a certain number of places over.

One of the first additive ciphers was used by Julius Caesar around 50 B.C. Each letter of the alphabet was replaced by the third letter following it. So, a is replaced by D, b is replaced by E, c is replaced by F, and so on.

The problem comes when we get to x. x is the 24th letter of the alphabet. If we add 3 to 24, we get 27. So we go back to the beginning of the alphabet and replace x with A, y with B, and z with C.

So once we add, if the number is greater than 26, we subtract 26 from it. The chart shows each letter in plaintext and its corresponding letter in cipher text.

plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m
position	1	2	3	4	5	6	7	8	9	10	11	12	13
add 3	4	5	6	7	8	9	10	11	12	13	14	15	16
position of cipher-text	4	5	6	7	8	9	10	11	12	13	14	15	16
Cipher text	D	E	F	G	H	I	J	K	L	M	N	O	P

plaintext	n	o	p	q	r	s	t	u	v	w	x	y	z
position	14	15	16	17	18	19	20	21	22	23	24	25	26
add 3	17	18	19	20	21	22	23	24	25	26	27	28	29
position of cipher-text	17	18	19	20	21	22	23	24	25	26	1	2	3
Cipher text	Q	R	S	T	U	V	W	X	Y	Z	A	B	C

So under an additive cipher with key equal to 3, the message "I would like a pizza" would become:

LZRXOGOLNHDSLCCD

To make reading of the ciphertext easier, we will use the convention of putting the letters in blocks of five. There is nothing sacrosanct about the number five. During World War II, the Germans used different numbers of letters in their blocks. The Luftwaffe used four and the German Army used three in their blocks, for example. So the ciphertext above will be written as:

LZRXO GOLNH DSLCC D

It is not necessary to use the number 3 as your additive key. You may choose any number from 1 to 26 as your additive key. If, for instance, you choose 22 as your additive key, your chart above would change to the following.

plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m
position	1	2	3	4	5	6	7	8	9	10	11	12	13
add 22	23	24	25	26	27	28	29	30	31	32	33	34	35
position of cipher-text	23	24	25	26	1	2	3	4	5	6	7	8	9
Cipher text	W	X	Y	Z	A	B	C	D	E	F	G	H	I

plaintext	n	o	p	q	r	s	t	u	v	w	x	y	z
position	14	15	16	17	18	19	20	21	22	23	24	25	26
add 3	36	37	38	39	40	41	42	43	44	45	46	47	48
position of cipher-text	10	11	12	13	14	15	16	17	18	19	20	21	22
Cipher text	J	K	L	M	N	O	P	Q	R	S	T	U	V

So under an additive cipher with key equal to 22, the same message "I would like a pizza" would become **ESKQH ZHEGA WJJLE VVW** (when the spaces are added for reading ease)

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B. Modular Arithmetic

In order to communicate in a better fashion, we now have to learn some math terminology. Back in grade school you learned to use a clock. You were taught that if it is currently 9 A.M. and you want the time 12 hours from now, you would know that the clock would read the same time. Now these times *are* different, but the clock wouldn't know that. So the clock would read the same 12 hours, 24 hours and any multiple of 12 hours in the future or the past, no matter what time it currently is.

You were taught this as "clock arithmetic." If it is 9 o'clock (doesn't matter whether A.M. or P.M.) and you want the time 5 hours from now, you would realize that $9 + 5 = 14$. Since there is no 14 o'clock, you could subtract 12 and get 2 o'clock.

If it is 9 o'clock and you are interested in the time 35 hours from now, you could find $9 + 35 = 44$. Now continually subtract 12 until you get a number between 1 and 12. $44 - 12 = 32$, $32 - 12 = 20$, $20 - 12 = 8$. So it will be 8 o'clock.

But suppose it is 9 o'clock and you are interested in the time 1,000 hours from now. Add $9 + 1,000$ and you get 1,009. You could continually subtract 12, but that would become quite boring and tedious. There is an easier way.

Simply divide 12 into 1,009. We are not interested in the quotient. We are interested in the remainder.

$$\begin{array}{r} 84 \\ 12 \overline{)1009} \\ \underline{1008} \\ 1 \end{array}$$

Since the remainder is 1, we can say that it will be 1 o'clock 1,000 hours after 9 o'clock.

To make this easier, we invent a terminology for this process. We called it a modular system.

So, when using the clock, we can add 12 or subtract 12 from any number and not change it, we can make statements like the following:

$$13 \equiv 1 \pmod{12}, 25 \equiv 1 \pmod{12}, 37 \equiv 1 \pmod{12}, -11 \equiv 1 \pmod{12}, -23 \equiv 1 \pmod{12} \dots$$

We read the first statement as 13 is congruent (or equal) to 1 in modular system 12. What it also says is that 12 divides evenly (no remainder) $13 - 1$.

The second statement $25 \equiv 1 \pmod{12}$ says that 12 divides evenly into $25 - 1$. The statement $-11 \equiv 1 \pmod{12}$ says that 12 divides evenly into $-11 - 1$. (mod is read as "modulo")

When we use a modular system base 12, we wish to express our numbers using the smallest nonnegative numbers. So we wish to use the numbers 0 to 11 (unlike a clock, 1 to 12).

So we say that $12 \equiv 0 \pmod{12}$ or 12 divides evenly into $12 - 0$.

If you wish to change a number mod 12, you divide the number by 12 and look at the remainder. Some calculators (TI-89) actually have a mod key (located in the 2nd MATH 1: Number 9: mod menu). To find $77 \pmod{12}$, you would type in $\text{mod}(77, 12)$. This can be a pain without a calculator that can take mods, but you can usually make things easier.

If you want to find $1234 \pmod{12}$, instead of dividing, you can think this way: 12 goes evenly into 1,200 so you can say $1234 \equiv 34 \pmod{12}$. Now since $24 = 2 \times 12$, you can subtract 24 from 34. You get 10. So we conclude that $1234 \equiv 10 \pmod{12}$.

If you want to find $185 \pmod{12}$, you may recall that $12^2 = 144$. So subtract 144 from 185 and you get 41. Since 41 is 5 more than 36 (3×12), you can conclude that $185 \equiv 5 \pmod{12}$.

You can work in other modulo systems. If I want to find $79 \pmod{5}$, you can realize that $75 = 15 \times 5$. Subtract 75 from 79 and you realize that $79 \equiv 4 \pmod{5}$.

If you wish to find $8024 \pmod{8}$, you realize that 8 goes evenly into 8,024. So $8024 \equiv 0 \pmod{8}$.

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**E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM
DEPARTMENT OF CSE**

VALUE ADDED COURSE ON CRYPTOLOGY FOR BEGINNERS

Assessment Questions

Date: 21/05/2018 - 26/05/2018

Maximum Marks: 20 Marks

Multiple Choice Questions (20*1 = 20)

1. In cryptography, what is cipher?
 - a) algorithm for performing encryption and decryption
 - b) encrypted message
 - c) both algorithm for performing encryption and decryption and encrypted message
 - d) decrypted message

2. Which of the following ciphers are created by shuffling the letters of a word?
 - a) rotor cipher
 - b) rail fence cipher
 - c) vigenere cipher
 - d) hill cipher

3. Which of the following is a type of substitution cipher?
 - a) poly alphabetic cipher
 - b) transposition cipher
 - c) columnar cipher
 - d) rail fence cipher

4. Which of the following correctly defines poly alphabetic cipher?
 - a) a substitution based cipher which uses multiple substitution at different positions
 - b) a substitution based cipher which uses fixed substitution over entire message
 - c) a transposition based cipher which uses multiple substitution at different positions
 - d) a transposition based cipher which uses fixed substitution over entire message


5. Cryptanalysis is used _____
 - a) to find some insecurity in a cryptographic scheme
 - b) to increase the speed
 - c) to encrypt the data
 - d) to make new ciphers

6. Cryptographic hash function takes an arbitrary block of data and returns _____
 - a) fixed size bit string
 - b) variable size bit string
 - c) both fixed size bit string and variable size bit string
 - d) variable sized byte string

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7. DES follows
- Hash Algorithm
 - Caesar Cipher
 - Feistel Cipher Structure
 - SP Networks
8. The DES Algorithm Cipher System consists of _____ rounds (iterations) each with a round key
- 12
 - 18
 - 9
 - 16
9. In the DES algorithm the round key is _____ bit and the Round Input is _____ bits.
- 48, 32
 - 64, 32
 - 56, 24
 - 32, 32
10. The Initial Permutation table/matrix is of size
- 16×8
 - 12×8
 - 8×8
 - 4×8
11. An encryption scheme is unconditionally secure if the ciphertext generated does not contain enough information to determine uniquely the corresponding plaintext, no matter how much cipher text is available.
- True
 - False
12. The time required to convert a k-bit integer to its representation in the base 10 in terms of big-O notation is
- $O(\log_2 n)$
 - $O(\log n)$
 - $O(\log_2 2n)$
 - $O(2 \log n)$
13. The number of unique substitution boxes in DES after the 48 bit XOR operation are
- 8
 - 4
 - 6
 - 12
14. In public key cryptosystem _____ keys are used for encryption and decryption.
- Same
 - Different
 - Encryption Keys
 - None of the mentioned

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15. In a trapdoor function, the functions are easy to go in
 a) One direction
 b) Two directions
 c) All directions
 d) None of the mentioned
16. Pretty good privacy program is used for
 a) Electronic mails
 b) File encryption
 c) Electronic mails & File encryption
 d) None of the mentioned
17. Examples of hash functions are
 a) MD5
 b) SHA-1
 c) MD5 & SHA-1
 d) None of the mentioned
18. Knapsack problem can be solved by
 a) Public key cryptosystem
 b) Private key cryptosystem
 c) Public & Private key cryptosystem
 d) None of the mentioned
19. Which needs more check bits?
 a) Error correction
 b) Error detection
 c) Error correction & detection
 d) None of the mentioned
20. In symmetric key cryptosystem, who knows the key?
 a) Sender
 b) Receiver
 c) Sender & Receiver
 d) None of the mentioned

Answers:

1	2	3	4	5	6	7	8	9	10
a	b	a	a	a	a	c	d	a	c
11	12	13	14	15	16	17	18	19	20
a	a	a	b	a	c	c	a	a	c

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DEPARTMENT OF CSE

VALUE ADDED COURSE ON CRYPTOLOGY FOR BEGINNERS

Assessment Questions

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 - b) 4
 - c) 6
 - d) 12
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 - c) Encryption Keys
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b) Receiver
c) Sender & Receiver
d) None of the mentioned

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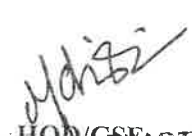
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EGS Pillay Engineering College, Nagapattinam			
Department of CSE			
Value added course on "Cryptography For Beginners"			
Academic Year : 2017-2018			
PG CSE			
Assessment Marks			
S. No	Register Number	Name	Marks
1.	820816405001	BABY SHALINI M	17
2.	820816405002	DEVI R	16
3.	820816405003	DHIVYA G	19
4.	820816405004	DHIVYA T	18
5.	820816405005	GOPERUNDEVI M	18
6.	820816405006	GURUBRINDHA K	16
7.	820816405007	ISWARYA V	15
8.	820816405008	KANIMOZHI A	18
9.	820816405009	PIRAVEENA P	19
10.	820816405010	PONVARDHINI T	18
11.	820816405011	PRADEEPA K	19
12.	820816405013	SHURUTHI N	17
13.	820816405014	VIGNESH K	17
14.	E17CPF001	ABARNA DEVI B	18
15.	E17CPF002	ANJALI K P	16
16.	E17CPF004	BAKYA G	15
17.	E17CPF008	JAYASHRI A	18
18.	E17CPF012	PREETHI R	19
19.	E17CPF013	SABIREEN	18
20.	E17CPF014	SHANTHINI S	19
21.	E17CPF015	SRILEKHA K	18
22.	E17CPF016	SUBASHRI P	19
23.	E17CPF018	VINOTHINI K	17


COURSE COORDINATOR

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HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Value Added Course on "CRYPTOLOGY FOR BEGINNERS"

Impact analysis report
Academic Year 2017-2018

S.NO	REGISTER No	STUDENT NAME	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
			CO1	CO1	CO1	CO1	CO2	CO2	CO2	CO2	CO3	CO3	CO3	CO3	CO4	CO4	CO4	CO4	CO5	CO5	CO5	CO5
1	820816405001	BABY SHALINI M	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0
2	820816405002	DEVI R	0	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	1	1	1	1
3	820816405003	DHIVYA G	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1
4	820816405004	DHIVYA T	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
5	820816405005	GOPERUNDEVI M	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1
6	820816405006	GURUBRINDHA K	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
7	820816405007	ISWARYA V	1	1	1	1	0	1	1	1	0	1	0	0	1	1	1	1	1	1	0	1
8	820816405008	KANIMOZHI A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	820816405009	PIRAVEENA P	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
10	820816405010	PONVARDHINI T	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
11	820816405011	PRADEEPA K	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
12	820816405013	SHURUTHI N	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	820816405014	VIGNESH K	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
14	E17CPF001	ABARNA DEVI B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
15	E17CPF002	ANALI K P	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1
16	E17CPF004	BAKYA G	1	1	1	1	0	1	1	1	0	1	0	0	1	1	1	1	1	1	1	1
17	E17CPF008	JAYASHRI A	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	E17CPF012	PREETHI R	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
19	E17CPF013	SABIREEN	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	E17CPF014	SHANTHINI S	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	E17CPF015	SRILEKHA K	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
22	E17CPF016	SUBASHRI P	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
23	E17CPF018	VINOTHINI K	1	0	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1
TOTAL			19	21	21	16	21	21	22	18	19	19	21	21	20	21	17	22	21	22	18	22
ATTESTED			82.6	91	91	70	91	91.3	91	95.7	78	82.6	91.3	91.3	91.3	87	91	74	96	91	95.7	78.3
LEVEL OF ATTAINMENT			2 (M)	3 (S)	3 (S)	1 (L)	3 (S)	3 (S)	3 (S)	3 (S)	1 (L)	2 (M)	3 (S)	3 (S)	2 (M)	3 (S)	1 (L)	3 (S)	3 (S)	3 (S)	1 (L)	3 (S)


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 DEPARTMENT OF
 COMPUTER SCIENCE AND ENGINEERING
 DEPARTMENT OF CSE
 T. S. S. R. Engineering College

Mapping of Course Outcomes Vs Program Outcomes

CO Number	Competency	Cognitive level
CO1	Understand cryptography basics, algorithms and mathematical background for cryptography.	Understand
CO2	Analyze the important cryptographic algorithms.	Analyze
CO3	Understand advanced encryption techniques	Understand
CO4	Understand symmetric key encryption	Understand
CO5	Understand public key cryptosystems	Understand

CO to PO Mapping

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	2	-	-	-	-	-	-	-	-	-	-
CO2	2	2	-	-	-	-	-	-	-	-	-	1
CO3	2	2	-	-	-	-	-	-	-	-	-	1
CO4	2	-	-	-	-	-	-	-	-	-	-	1
CO5	2	-	-	-	-	-	-	-	-	-	-	1


CO to PSO Mapping

Course Outcome	PSO1	PSO2
CO1	1	1
CO2	2	2
CO3	2	2
CO4	2	-
CO5	2	-

1. Slight(Low) 2. Moderate(Medium) 3.Substantial(High) “-“ No Correlation

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HOD/CSE
 HEAD OF THE DEPARTMENT
 DEPARTMENT OF CSE
 E.G.S.P. Engineering College,
 Nagapattinam - 611 002

E.G.S.PILLAY ENGINEERING COLLEGE (Autonomous), NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEEDBACK FORM FOR VALUE ADDED COURSES

Academic Year : 2017-2018

Batch: 2016

Name of the Value Added Course: Cryptology For Beginners

Semester: IV

Student Name: T. Divya

Register Number: 820816405004

Staff Handling: Mr. G. Arulselvan.

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course Content	✓				
2	Skill Development		✓			
3	Motivation	✓				
4	Regularity and Punctuality of teacher	✓				
5	Coverage of syllabus	✓				
6	Interaction	✓				
7	Individual attention		✓			
8	Outcome		✓			
9	Any Other suggestions	Deep Practical Knowledge				

Signature of the student



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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
 Thethi, Nagapattinam - 611 002.
 (By Family)

E.G.S.PILLAY ENGINEERING COLLEGE (Autonomous), NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEEDBACK FORM FOR VALUE ADDED COURSES

Academic Year : 2017-18

Batch: 2017

Name of the Value Added Course: Cryptology for Beginners Semester: II

Student Name: Jayasri.A

Register Number: 008

Staff Handling: M. G. Arulselvan

Dear Student,

You are required to give your feedback on the following aspects. Please tick in the respective column.

S.No	Criteria	Rating				
		Excellent	Very Good	Good	Fair	Satisfactory
1	Course Content	✓				
2	Skill Development		✓			
3	Motivation	✓				
4	Regularity and Punctuality of teacher	✓				
5	Coverage of syllabus	✓				
6	Interaction	✓				
7	Individual attention		✓			
8	Outcome	✓				
9	Any Other suggestions	This course was very useful. Expecting more courses				

Signature of the student

ATTESTED

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Nagapattinam (Dt) Tamil Nadu.

**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM
DEPARTMENT OF CSE**

COURSE SUMMARY REPORT

1. Title: CRYPTOLOGY FOR BEGINNERS
2. Name of Speaker: Mr.G.Arulselvan
3. Speaker Details: Assistant Professor, CSE Department, EGSPEC.
4. Date of speaker's presentation: 21.05.2018 – 26.05.2018
5. Duration of the Course : 40 Hours
6. Beneficiary Details: PG II YEAR CSE Students
7. Coordinator: Mr. K.Balasubramaniyan (Assoc. Prof., CSE,EGSPEC)

More about this course

Cryptology is employed to communicate securely, authenticate messages and sign digitally. Cryptology for Beginners is designed for both computer science and mathematics students, touching upon the most important ideas and techniques of the present day cryptology. All the pre-requisite topics are revised during the lectures making this course self-contained and accessible to a wider audience. It is hoped that this course will prepare interested students for a more extensive course on Information Security. Students felt that this course was very much useful for them and they got some basic ideas on cryptology. It is planned to extend this value added course training in the next semester with some advanced analysis on cryptology techniques.

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(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
(Accredited by NAAC with 'A' Grade & NBA)

Old Nagore Road, Thethi, Nagapattinam - 611002, Tamil Nadu, India

Department of Computer Science and Engineering

Certificate of Completion

This is to certify that

DEV R

has successfully completed the value added course on "Cryptology For Beginners" conducted
by Department of Computer Science and Engineering, E.G.S. Pillay Engineering College
(Autonomous), Nagapattinam from 21/05/2018 to 26/05/2018.

ATTESTED



**B.F.S. RAMABALAN, M.E., PCCoordinator
PRINCIPAL**

E.G.S. Pillay Engineering College,
Thethi, Nagapattinam - 611 002.
Nagapattinam (Tamil Nadu)



Convener
Dr.M.Chinnadurai
Prof./ HOD/CSE



Principal
Dr.S.Ramabalan



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Department of Computer Science and Engineering

Certificate of Completion

This is to certify that

SUBASHRI P


has successfully completed the value added course on "Cryptology For Beginners" conducted by Department of Computer Science and Engineering, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam from 21/05/2018 to 26/05/2018.

ATTESTED


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Nagapattinam (Dt) Tamil Nadu.

Coordinator
Dr. K. Balasubramanian
ASP/CSE


Convener
Dr. M. Chinnadurai
Prof./ HOD/CSE


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Dr. S. Ramabalan



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Department of Computer Science and Engineering

Certificate of Completion

This is to certify that

VIGNESH K

has successfully completed the value added course on "Cryptology For Beginners" conducted by Department of Computer Science and Engineering, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam from 21/05/2018 to 26/05/2018.

ATTESTED

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Coordinator

Dr. K. Balasubramanian

ASP/CSE

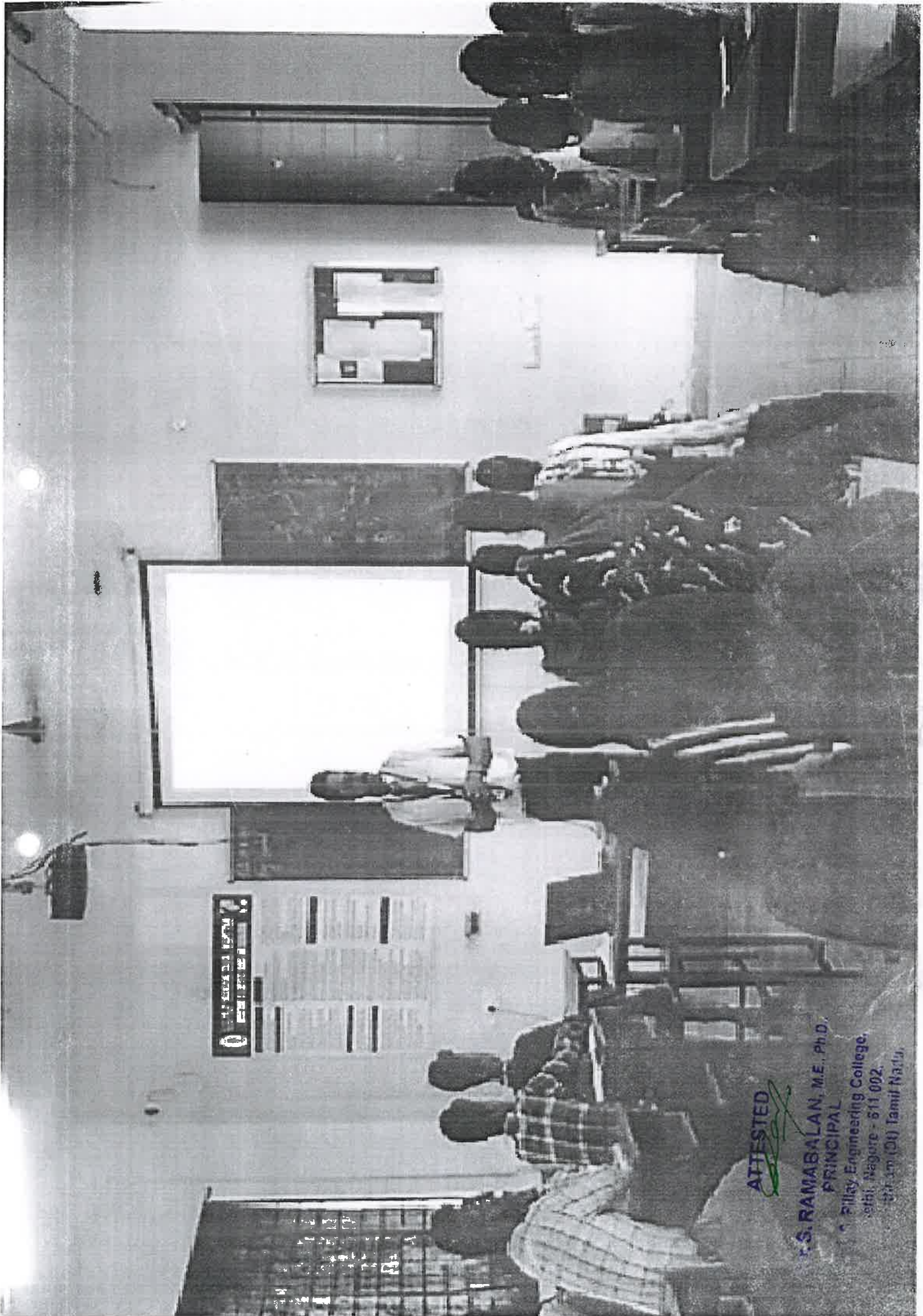
Convener

Dr. M. Chinnadurai

Prof./ HOD/CSE

Principal

Dr. S. Ramabalan



ATTESTED

K.S. RAMABALAN, M.E., Ph.D.
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