

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES: RAJAMPET
(AUTONOMOUS)**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Notice for Enrollment to Value Added Course

Convener: Dr. A. Subramanyam, HOD, Dept. Of CSE

Coordinator: Mr. K. Uday Kumar Reddy

Course Name: Angular JS

Resource Persons: Mr.N.Penchalaiah

Target Students: IV Year CSE students

Course Commencement from: July 25th 2016

No of Contact hours: 40

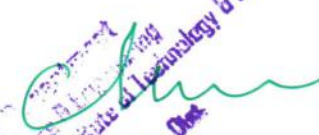
Registration: Interested candidates can register to the workshop by enrolling their names to Resource Persons.

Last date for the registration is 20th July 2016

Prerequisite:

This course has no specific prerequisites. However some familiarities with the following are especially helpful.

- Web Programming


HOD
Head of the Department
Department of Computer Science & Engineering
Annamacharya Institute of Technology & Sciences
(Autonomous)
Rajampet - 525 125, Andhra Pradesh

Angular JS

(Value Added Course)

Syllabus

UNIT-I

Introduction to AngularJS , MVC Architecture, Conceptual Overview, Setting up the Environment, First Application Understanding ng Attributes, Expression and Data binding, Number and String Expressions, Object Binding and Expressions, Working with Arrays, Forgiving Behaviour, Understanding Data Binding,

UNIT-II

Working with Directives-Introduction, Core Directives, Conditional Directives, Style Directives, Mouse and Keyboard Events Directives, Filters, Purpose of Filters, Built -In Filters, Uppercase and Lowercase Filters, Currency and Number Formatting Filters, Order By Filter, Creating Custom Filter

UNIT-III

Forms -Using Simple Form, Working with Select and Options, Input Validations, Using CSS classes, Form Events, Custom Model update triggers ,Custom Validations

UNIT-IV

Modules-Why Module, Module Loading and Dependencies, Recommended Setup of Application, Services-Understanding Services, Developing, Creating Services, Using a Service, Injecting Dependencies in a Service
Routing-Introduction to SPA, Creating HTML Templates, Configuring Route Provider.

UNIT-V

Controllers-Understanding Controllers, Programming Controllers and \$scope object, Adding Behaviour to a Scope Object, Passing Parameters to the Methods, Having Array as members in Controller Scope, Nested Controllers and Scope Inheritance, Multiple Controllers and their scope

Attendance Sheet																								
Value Added Course Name:		Angular JS																						
Year ,Branch &Sem		IV - I Sem 2016-17 Academic Year																						
SNO	Roll Number	25/7	26/7	27/7	1/8	2/8	3/8	4/8	8/8	9/8	10/8	15/8	16/8	17/8	22/8	23/8	24/8	29/8	30/8	5/9	6/9	7/9	8/9	
1	13701A0505	2	4	6	A	A	8	10	12	14	16	18	A	A	20	22	24	A	A	26	28	30	32	
2	13701A0506	A	A	2	4	6	8	10	12	14	16	A	A	18	20	22	24	A	A	26	28	30	32	
3	13701A0507	2	4	6	8	10	12	A	A	14	16	18	20	22	24	A	A	26	28	30	32	34	36	
4	13701A0508	A	A	2	4	6	8	10	12	14	18	20	A	22	24	26	28	30	32	34	36	A	38	
5	13701A0509	A	A	2	4	6	8	10	12	14	16	18	20	A	22	24	26	28	30	A	A	32	34	
6	13701A0510	2	4	6	8	A	A	10	12	14	16	18	20	22	24	26	A	A	28	30	32	34	36	
7	13701A0511	A	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	
8	13701A0512	2	4	6	8	A	A	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
9	13701A0513	2	4	6	8	A	A	10	12	14	16	18	20	22	24	26	28	A	A	30	32	34	36	
10	13701A0516	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	
11	13701A0517	A	A	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	A	A	
12	13701A0518	2	4	6	8	10	12	14	A	16	18	20	A	A	22	24	26	28	30	32	34	36	38	40
13	13701A0519	2	4	6	A	A	8	10	12	14	16	18	20	22	24	26	A	A	28	30	32	34	36	
14	13701A0520	2	4	6	A	8	10	12	14	16	18	A	A	20	22	24	26	28	30	32	34	36	38	
15	13701A0522	2	A	A	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
16	13701A0525	2	4	6	8	10	A	A	12	14	16	18	A	A	20	22	24	26	A	A	28	30	32	
17	13701A0526	2	4	A	A	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
18	13701A0527	2	4	6	A	A	8	A	A	10	12	14	16	18	20	A	A	22	24	26	28	30	32	
19	13701A0528	2	4	6	8	10	12	14	16	A	A	18	20	22	24	26	28	30	32	34	36	38	40	
20	13701A0530	2	A	A	4	6	8	10	12	A	A	14	16	18	20	22	24	26	28	30	32	34	36	
21	13701A0534	2	4	6	8	10	12	14	A	A	16	18	20	22	24	26	28	30	32	34	36	38	40	
22	13701A0535	2	A	A	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
23	13701A0536	2	4	6	A	A	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
24	13701A0537	2	A	A	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
25	13701A0538	2	4	6	8	10	12	14	A	A	16	18	20	22	24	26	28	30	32	34	36	38	40	
26	13701A0539	2	4	6	A	A	8	10	12	14	18	20	22	24	26	28	30	32	34	36	38	40	42	
27	13701A0540	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	
28	13701A0541	2	A	A	4	6	8	10	12	14	A	16	18	20	22	24	26	28	30	32	34	36	38	
29	13701A0542	2	4	6	8	10	A	A	12	14	16	18	20	A	22	24	26	28	30	32	34	36	38	

30	13701A0543	2	4	6	8	10	12	14	16	A	A	18	20	22	24	A	A	26	28	30	32	34	36	
31	13701A0546	A	A	2	4	6	8	10	12	14	A	A	16	18	20	22	24	26	28	A	A	30	32	
32	13701A0547	A	2	4	6	8	10	12	14	16	18	A	A	20	22	24	26	28	30	32	A	A	34	
33	13701A0549	2	4	6	8	A	A	10	12	14	16	18	20	22	24	A	A	26	28	30	32	34	36	
34	13701A0550	2	4	6	A	A	8	10	12	14	16	18	20	A	A	22	24	26	28	30	32	34	36	
35	13701A0551	2	4	6	8	A	A	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
36	13701A0552	2	4	6	8	A	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	
37	13701A0556	2	4	6	8	10	A	12	14	16	18	20	A	22	24	A	A	26	28	30	32	34	36	
38	13701A0557	2	4	6	8	10	12	A	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	
39	13701A0558	2	4	6	8	10	12	14	A	16	18	20	22	A	24	26	28	30	32	34	36	38	A	
40	13701A0559	2	4	6	8	10	12	A	A	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
41	13701A0560	2	4	6	8	10	A	12	14	16	18	20	22	24	26	28	30	32	34	36	38	A	40	
42	13701A0561	2	4	6	8	10	12	A	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	
43	13701A0562	2	4	6	8	A	10	12	A	14	A	16	A	18	20	22	24	26	28	30	32	A	34	
44	13701A0563	2	4	A	6	8	A	10	12	14	16	18	20	A	22	24	26	28	30	32	34	36	38	
45	13701A0564	2	4	6	8	10	12	A	14	16	18	20	22	24	A	26	28	30	32	34	36	38	40	
46	13701A0565	2	4	6	8	10	A	12	A	14	16	18	20	22	24	A	26	28	30	32	34	A	36	
47	13701A0566	2	4	6	8	A	10	12	14	16	18	A	20	22	24	26	28	30	32	34	36	38	40	
48	13701A0568	2	4	6	8	A	10	12	14	A	16	18	A	20	22	24	26	28	30	32	A	34	36	
49	13701A0572	2	4	6	8	10	12	A	14	A	16	18	20	22	24	26	28	30	32	34	36	38	40	
50	13701A0573	A	2	4	6	8	10	12	14	A	16	18	20	22	24	26	28	A	30	32	34	36	38	A
51	13701A0574	2	4	6	A	A	8	10	12	A	14	16	18	20	22	24	26	A	28	30	32	34	A	
52	13701A0575	2	4	A	A	6	8	10	12	A	A	14	16	18	20	22	24	26	28	30	32	34	A	
53	13701A0576	2	4	6	8	A	A	10	12	14	16	A	18	20	22	24	26	28	30	32	34	36	38	
54	13701A0577	2	4	A	A	6	8	10	12	14	16	18	A	A	20	22	24	26	28	A	A	A	30	
55	13701A0579	A	A	2	4	6	8	10	12	14	16	18	20	22	24	26	28	A	A	30	32	34	36	
56	13701A0582	2	4	6	A	A	8	10	12	14	16	A	A	18	20	22	24	26	28	A	A	30	32	
57	13701A0583	2	4	A	A	6	8	A	10	12	14	16	18	20	22	24	26	A	A	28	30	32	34	
58	13701A0584	2	4	A	A	6	8	10	12	14	16	18	A	A	20	22	24	26	28	A	A	30	A	
59	13701A0585	2	4	A	A	6	A	8	A	A	10	12	14	16	18	20	22	24	26	30	32	34	36	
60	13701A0586	2	4	6	8	10	12	A	A	14	16	18	20	22	24	26	28	30	32	34	A	36	A	
61	13701A0590	A	A	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	A	38	
62	13701A0591	2	4	6	8	10	12	A	A	16	18	20	22	24	A	A	26	28	30	32	34	36		

63	13701A0592	2	4	6	A	A	8	10	12	14	A	A	16	18	A	A	20	22	24	A	A	26	28
64	13701A0593	A	A	2	4	6	A	A	8	10	12	A	A	14	A	16	A	18	20	22	24	26	28
65	13701A0594	2	4	6	8	A	A	10	12	14	16	18	20	A	A	22	24	26	28	30	32	34	36
66	13701A0599	A	A	2	4	6	A	A	8	10	12	14	16	A	A	18	20	22	24	26	28	30	32
67	13701A05A0	2	4	6	8	10	12	14	16	18	A	A	20	22	24	26	28	30	32	34	36	A	A
68	13701A05A1	2	4	6	A	A	8	10	12	14	16	18	20	A	A	22	A	24	26	28	A	30	32
69	13701A05A4	A	A	2	4	6	A	8	10	12	14	16	18	20	22	A	24	26	28	30	32	34	36
70	13701A05A6	2	4	6	8	A	A	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
71	13701A05A7	A	A	2	4	6	A	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
72	13701A05A8	2	4	6	8	A	A	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
73	13701A05A9	2	4	6	A	A	8	10	12	14	16	18	20	22	24	26	28	30	32	34	A	A	36
74	13701A05B0	2	4	6	8	A	A	10	12	14	16	A	A	18	20	22	24	26	28	30	32	34	36
75	13701A05B2	2	4	A	A	6	A	A	8	10	12	14	16	A	A	18	20	22	A	A	24	26	28
76	13701A05B4	2	4	6	8	A	A	10	12	14	16	18	20	22	A	A	24	26	A	A	28	30	32
77	13701A05B6	2	A	4	6	8	10	12	14	16	18	20	22	24	26	A	A	28	30	32	34	36	38
78	13701A05B7	2	A	4	6	8	10	12	14	16	18	20	22	24	A	A	26	28	30	32	34	36	38

Head of the Department
Computer Science & Engineering
Annamacharya Institute of Technology & Sciences
(Autonomous)
Rajampet-515 125, Kadapa Dist.

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES: RAJAMPET
(AUTONOMOUS)**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Notice for Enrollment to Value Added Course

Convener: Dr. A.Subramanyam, HOD, Dept. Of CSE

Coordinator: Mr. M.Rudra Kumar

Course Name: NO SQL Databases

Resource Persons: KLNC Prakash

Target Students: III Year CSE students

Course Commencement from: December 16th 2016

No of Contact hours: 40

Registration: Interested candidates can register to the workshop by enrolling their names to Resource Persons.

Last date for the registration is 8th December 2016

Prerequisite:

This course has no specific prerequisites. However some familiarities with the following are especially helpful.

- DBMS

(Handwritten signature in green ink)
HOD
ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)
RAJAMPET-526 128, KAPPA

LINUX PROGRAMMING

(Value Added Course)

Syllabus

UNIT I

LINUX UTILITIES: File Handling Utilities, Security by File Permissions, Process Utilities, Disk Utilities, Networking Commands, Filters, Text Processing Utilities. Sed: Scripts, Operation, Addresses, Commands, Applications, Awk: Execution, Fields and Records, Scripts, Operation, Patterns, Actions, Functions, Using System Commands in Awk.

UNIT II

Working with the Bourne Again Shell (Bash): Introduction, Shell Responsibilities, Pipes and Input Redirection, Output Redirection, Here Documents, Running a Shell Script, The Shell as a Programming Language, Shell Meta Characters, File Name Substitution, Shell Variables, Command Substitution, Shell Commands, The Environment, Quoting, Test Command, Control Structures, Arithmetic in Shell, Shell Script Examples, Interrupt Processing, Functions, Debugging Shell Scripts.

UNIT III

FILES: File Concept, File System Structure, Inodes, File Attributes, File Types, Library Functions, Kernel Support for Files, System Calls, File Descriptors, Low Level File Access – File Structure Related System Calls (File Apis), File and Record Locking.

UNIT IV

Process, Process Concept, Kernel Support for Process, Process Attributes, Process Control, Process Creation, Waiting for a Process, Process Termination, Zombie Process, Orphan Process, Process Apis. Signals: Introduction to Signals, Signal Generation and Handling, Kernel Support for Signals, Signal Function, Unreliable Signals, Reliable Signals, Kill, Raise, Alarm, Pause, Abort, Sleep Functions.

UNIT V

INTER PROCESS COMMUNICATION: Introduction to IPC, Pipes, Fifos, Introduction to Three Types of IPC-Message Queues, Semaphores and Shared Memory. Message Queues: Kernel Support for Messages, Unix System V Apis for Messages, Client/Server Example.

SEMAPHORES: Kernel Support for Semaphores, Unix System V Apis for Semaphores. **SHARED MEMORY:** Kernel Support for Shared Memory, Unix System V Apis for Shared Memory, Semaphore and Shared Memory Example.

TEXT BOOKS:

1. B.A.Forouzan and R.F.Gilberg, Unix and Shell programming, Cengage Learning.
2. N.Matthew, R.Stones, Beginning Linux Programming, Wrox, Wiley India Edition. 4th edition.
3. T.Chan, Unix System Programming using C++, PHI.
4. Sumitabha Das, Unix Concepts and Applications, TMH, 4th edition.


REFERENCE BOOKS:

1. Robert Love, Linux System Programming, O'Reilly, SPD.
2. W.R.Stevens ,Advanced Programming in the Unix environment, Pearson Education. 2nd edition.
3. W.R.Stevens, Unix Network Programming, PHI.
4. Graham Glass, King Ables, Unix for programmers and users, Pearson Education.
5. Unix The Text book, Second Edition, S.M.Sarwar, R.Koretsky, S.A.Sarwar, Pearson Education, 3rd edition.
6. U.Vahalia, Unix Internals,Pearson Education.
7. S.G.Kochan and P.Wood, Unix Shell ProgrammingPearson Education, 3rd edition.

Attendance Sheet																							
Value Added Course Name:		No SQL Databases																					
Year, Branch & Sem		III CSE II Sem 2016-17 Academic Year																					
SNO	Roll Number	16/12	17/12	22/12	23/12	24/12	29/12	30/12	31/12	5/1	6/1	7/1	19/1	20/1	21/1	27/1	28/1	2/2	3/2	4/2	9/2	10/2	
1	14701A0501	2	4	6	a	8	10	12	14	16	18	20	22	24	a	26	28	a	a	30	32	34	
2	14701A0503	2	4	6	8	10	12	14	16	18	a	a	20	22	24	26	28	30	32	a	34	36	
3	14701A0505	2	a	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
4	14701A0506	2	4	6	8	10	12	14	16	18	a	20	22	24	26	28	30	32	34	36	38	a	
5	14701A0507	2	4	6	8	10	12	14	16	18	20	22	24	26	28	a	30	32	34	36	38	40	
6	14701A0509	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	
7	14701A0510	a	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
8	14701A0517	a	a	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	
9	14701A0515	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	a	
10	14701A0519	2	4	6	8	10	a	12	14	16	18	20	22	24	26	a	a	28	30	32	34	36	
11	14701A0521	2	4	6	8	10	12	a	a	14	16	18	20	22	a	24	26	28	30	a	a	32	
12	14701A0523	2	4	6	8	10	12	14	16	a	a	18	20	22	24	26	28	30	32	34	a	36	
13	14701A0524	2	4	6	8	10	12	14	16	18	20	22	a	24	26	28	a	30	a	a	a	32	
14	14701A0525	2	4	6	8	a	10	12	14	16	18	20	22	24	a	a	26	28	30	32	34	a	
15	14701A0526	2	4	6	8	10	12	14	16	18	a	a	20	22	24	26	28	30	32	34	a	36	
16	14701A0527	2	4	6	8	10	12	14	16	a	18	20	22	24	26	a	28	30	a	32	34	36	
17	14701A0528	2	4	a	6	8	a	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	
18	14701A0529	2	4	6	8	10	12	14	16	18	20	a	22	24	26	28	30	32	a	34	36	a	
19	14701A0530	2	4	6	8	a	a	10	12	14	16	18	a	20	22	24	a	26	28	30	a	a	
20	14701A0531	2	4	6	8	10	12	14	16	18	a	a	20	22	a	24	26	28	30	32	34	36	
21	14701A0533	2	4	6	8	10	12	a	14	16	a	18	a	20	a	a	22	24	26	28	a	a	
22	14701A0534	2	4	6	a	a	8	10	12	14	16	18	20	22	24	26	28	30	32	a	a	34	
23	14701A0535	2	4	6	8	10	a	12	14	16	18	20	22	24	26	28	30	32	34	36	38	a	
24	14701A0536	a	2	4	6	8	10	12	14	16	a	a	18	20	22	24	26	28	30	32	34	a	
25	14701A0537	a	2	4	6	8	a	10	12	14	16	18	20	a	22	24	26	28	30	a	32	34	
26	14701A0538	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	a	a	38	
27	14701A0540	2	4	6	a	a	8	10	12	14	16	18	20	22	24	26	a	a	28	30	32	34	
28	14701A0541	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	
29	14701A0542	2	4	6	a	8	a	10	12	14	16	18	20	a	22	24	26	28	30	32	34	36	

30	14701A0543	2	4	6	8	a	10	12	14	16	18	20	22	24	26	28	30	32	a	34	36	38	
31	14701A0545	a	2	4	6	8	10	a	12	14	16	a	18	20	22	24	26	28	30	32	34	36	
32	14701A0546	2	4	6	8	10	12	a	14	16	a	18	a	20	a	22	a	24	26	28	30	32	
33	14701A0555	2	4	6	a	8	10	12	14	a	16	18	a	20	22	24	26	28	30	32	a	34	
34	14701A0556	2	4	6	8	10	12	14	16	18	20	a	22	24	26	28	30	a	32	34	a	36	
35	14701A0561	2	a	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	a	38	
36	14701A0562	2	4	6	8	10	12	14	16	18	20	22	24	26	a	28	30	32	34	36	38	40	
37	14701A0563	2	4	6	8	10	12	14	a	16	18	20	a	22	24	26	28	30	a	32	34	36	
38	14701A0564	2	4	6	8	10	a	12	14	16	18	20	22	a	24	26	28	a	30	32	34	36	
39	14701A0566	2	4	6	8	10	12	a	14	16	18	a	20	22	24	26	a	28	30	32	a	34	
40	14701A0571	2	4	6	a	8	10	12	14	16	a	18	20	22	24	a	26	28	30	32	34	36	
41	14701A0572	2	4	6	8	a	10	12	14	a	16	18	20	22	24	26	28	30	32	a	34	a	
42	14701A0573	2	4	6	8	10	12	14	a	16	18	20	22	24	a	26	28	a	30	32	34	36	
43	14701A0574	2	4	6	a	8	10	12	14	16	18	a	20	22	24	26	28	30	32	34	a	36	
44	14701A0575	2	4	6	8	10	12	14	16	18	20	a	22	24	26	28	30	32	34	36	38	40	
45	14701A0576	2	4	6	a	8	a	a	a	10	12	14	16	18	20	22	a	a	a	24	26	28	
46	14701A0577	2	a	a	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	
47	14701A0578	2	4	6	a	8	10	12	a	14	16	18	20	22	24	26	a	28	30	32	34	36	
48	14701A0579	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	a	34	a	a	36	
49	14701A0580	2	4	6	8	10	12	a	a	14	16	18	20	22	24	26	28	a	30	32	34	36	
50	14701A0581	2	4	6	a	a	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	
51	14701A0584	2	4	6	8	10	12	14	16	18	20	a	22	24	26	28	30	32	34	36	38	a	
52	14701A0586	2	4	a	a	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	
53	14701A0587	2	4	6	8	10	a	a	12	14	16	18	20	a	22	24	26	28	30	a	a	32	
54	14701A0588	2	4	6	8	a	a	10	12	14	16	18	20	22	24	26	28	30	32	34	a	36	
55	14701A0589	2	4	6	8	10	a	a	12	14	16	18	20	22	24	26	a	a	28	30	32	34	
56	14701A0595	2	4	6	a	a	8	10	12	14	a	16	18	20	22	24	26	28	30	32	34	36	
57	14701A0596	2	4	6	8	10	12	14	16	a	a	18	20	22	24	26	28	30	32	34	a	a	
58	14701A0597	2	4	6	8	a	a	10	12	14	16	18	20	22	a	24	26	28	30	32	a	34	
59	14701A0598	2	a	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
60	14701A0599	2	4	6	8	10	12	14	16	18	a	a	20	22	24	26	28	30	32	34	36	38	
61	14701A05A0	a	a	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	
62	14701A05A5	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	a	40	

63	14701A05A8	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	
64	14701A05A9	2	a	a	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	
65	14701A05B0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	a	a	30	32	34	36	38	
66	14701A05B2	2	a	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	9	
67	14701A05B3	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	a	34	36	a	38	
68	14701A05B6	2	4	6	a	8	10	12	14	16	18	20	22	a	24	26	a	28	30	32	a	34	
69	14701A05B7	2	4	6	8	10	a	12	14	16	18	20	22	24	26	28	a	30	a	a	32	34	,


 Head of the Department
 Computer Science & Engineering
 Annamacharya Institute of Technology & Sciences
 (Autonomous)
 Rajampet-515 125, Kadapa Dist.

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES: RAJAMPET
(AUTONOMOUS)**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Notice for Enrollment to Value Added Course

Convener: Dr. M. A.Subramanyam, HOD, Dept. Of CSE

Coordinator: Mr. M. Nageswara Prasad

Course Name: Linux Programming

Resource Persons: J.Maruthi Nagendra Prasad

Target Students: IV Year CSE students

Course Commencement from: July 15th 2016

No of Contact hours: 40

Registration: Interested candidates can register to the workshop by enrolling their names to Resource Persons.

Last date for the registration is 7th July 2016

Prerequisite:

This course has no specific prerequisites.

Head of the Department
Computer Science & Engineering
Annamacharya Institute of Technology & Sciences
(Autonomous)
Rajampet-525 125, Krishna Dist.
HOD

No SQL Databases
(Value Added Course)

Syllabus

UNIT-I

Overview and History of NoSQL Databases Definition of the Four Types of NoSQL Database, The Value of Relational Databases, Getting at Persistent Data, Concurrency, Integration, Impedance Mismatch, Application and Integration Databases, Attack of the Clusters, The Emergence of NoSQL, Key Points . Comparison of relational databases to new NoSQL stores, MongoDB, Cassandra, HBASE, Neo4j use and deployment, Application, RDBMS approach, Challenges NoSQL approach, Key-Value and Document Data Models, Column-Family Stores, Aggregate-Oriented Databases

UNIT-II

Replication and sharding, Map Reduce on databases. Distribution Models, Single Server, Sharding, Master-Slave Replication, Peer-to-Peer Replication, Combining Sharding and Replication.

NoSQL Key/Value databases using MongoDB, Document Databases, What Is a Document Database? Features, Consistency, Transactions, Availability, Query Features, Scaling, Suitable Use Cases, Event Logging, Content Management Systems, Blogging Platforms, Web Analytics or Real-Time Analytics, E-Commerce Applications, When Not to Use, Complex Transactions Spanning Different Operations, Queries against Varying Aggregate Structure.

UNIT-III

Column- oriented NoSQL databases using Apache HBASE, Column-oriented NoSQL databases using Apache Cassandra, Architecture of HBASE, What Is a Column-Family Data Store? Features, Consistency, Transactions, Availability, Query Features, Scaling, Suitable Use Cases, Event Logging, Content Management Systems, Blogging Platforms, Counters, Expiring Usage, When Not to Use

UNIT-IV

NoSQL Key/Value databases using Riak, Key-Value Databases, What Is a Key-Value Store, Key-Value Store Features, Consistency, Transactions, Query Features, Structure of Data, Scaling, Suitable Use Cases, Storing Session Information, User Profiles, Preferences, Shopping Cart Data, When Not to Use, Relationships among Data, Multioperation Transactions, Query by Data, Operations by Sets

UNIT-V

Graph NoSQL databases using Neo4, NoSQL database development tools and programming languages, Graph Databases, What Is a Graph Database? Features, Consistency, Transactions, Availability, Query Features, Scaling, Suitable Use Cases, Connected Data, Routing, Dispatch, and Location-Based Services, Recommendation Engines, When Not to Use