

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNT University Kakinada,
Accredited by NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-53111



*Certificate Course
on*

AUTOMATED TESTING TOOLS FOR WEB APPLICATIONS

from 26th June 2017 to 1st July 2017



ORGANIZED BY

**DEPT. OF COMPUTER SCIENCE AND ENGINEERING
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MAKAVARAPALEM (V), VISAKHAPATNAM-531113**

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

AIET started in the year 1999 and offers various courses at Engineering and PG level. The college is providing with rooms, computer centre, laboratories and seminar hall with audio-visual equipments. Industry Institute interaction is conducted regularly to emphasize on the latest trends in the present market.



It is very near to Narsipatnam. Frequent bus facilities are available both from and to Visakhapatnam and Narsipatnam. Very safe and secure hostel facility is available for Girl students. These are the additional facilities besides excellent academic atmosphere in the college campus.

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

The Computer Science & Engineering department was established with B.Tech Program in 1999 with intake of 60 students and this was increased to 120 students in 2007 and increased to 180 students in 2012. The Post graduate Program M.Tech with C.S.E was started in 2005 with intake of 18 Students and this was increased to 24 students in 2012. The Computer Science & Engineering department was accredited by NBA in 2009 and 2014. Department mission is to be Instrumental in the field of computer science &

engineering by providing high quality education and continues improvement process of the program. The department has full fledged faculty with four professors with Ph.D and 40 staff members with experience in teaching and industry, which leads the skill students to get employment in the market. . The department encourages the faculty members and the students to participate paper presentations, seminars, workshops and National, International conferences and research activities. The department is well equipped laboratories and the computers have sophisticated development software tools. The department provides training to its students in advanced technologies like JAVA, WEB TECHNOLOGIES,.NET, PHP, Data Warehousing, Data Mining tools and Data storage systems as a supplement to the curriculum to enhance the employability of students. Our faculty members are the members of Computer Society of India, ISTE, IEEE.

ABOUT COURSE

It can be used to test native applications, hybrid applications and mobile websites running on real devices as well as emulators. Based on the Selenium Webdriver client API, it supports full integration with existing Selenium frameworks. Selendroid supports hot plugging of hardware devices and can be integrated as a node in Selenium Grid for large-scale parallel testing. It is compatible with the JSON Wire Protocol

CHIEF PATRON

Smt. M.Gnaneswari
President,

Avanthi Institute Of Engineering And Technology

PATRON

Dr. C P V N J Mohan Rao
Principal,

Avanthi Institute Of Engineering And Technology

CHAIRMAN

Dr. G. Satyanarayana
Head of the Department

Computer Science & Engineering

Selenium WebDriver is extremely powerful, particularly when coupled with the efficient and tried-and-tested approach recommended in this course. We'll design our acceptance tests professionally—just the way you'd do at a software testing job. We'll use page models, locators, and step definitions to structure the automated tests in a reusable way. The customers will be able to come up with acceptance tests that you can easily translate to code.

TOPICS TO BE COVERED

- Day 1 Introduction to WebDriver & Comparison with Selenium RC
- Day 2 Architecture of selenium Webdriver
- Day 3 Enhance a script using Selenium IDE
- Day 4 Handling Ajax Components
- Day 5 Scope of Automation
- Day 6 Testing at different Levels

For Registration please contact Ms. D.Anusha, Assistant Professor, CSE



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dt. 19/6/2017

CIRCULAR

On behalf of the Department of Computer Science and Engineering, AIET is conducting Six days certificate course on “Automated Testing Tools for web applications” during 26th June 2017 to 1st July 2017 for all the students of IV Year of Computer Science and Engineering Department. I advise to all the students of IV year CSE to enroll your details for above course. For more details, you may consult Course Coordinator Ms.D.Anusha, Assistant Professor, CSE Department.

Resource Persons:

1. Dr T.Satyanarayana Murthy
Associate Professor
Computer Science & Engineering
Bapatla Engineering.College
Bapatla
- 2.Dr.G.Lavanya Devi
Assistant Professor
Computer Science & Engineering
Andhra University
Visakhapatnam


G.Satyanarayana

Head of the Department

Computer Science & Engineering
Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

Copy to: Principal, AIET



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Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

Automated Testing Tools for web applications

Duration: 26-06-2017 to 1-07-2017

SYLLABUS

- Day 1:** Introduction to the Web Driver & Comparison with Selenium RC
- Day 2:** Gain an understanding of the Architecture of selenium Web driver
- Day 3:** Examine the Enhancement of a script using Selenium IDE
- Day 4:** Describe how to Handling Ajax Components
- Day 5:** Explain Scope of Automation
- Day 6:** Become familiar with the Testing at different Levels

Anusha

D.Anusha

Coordinator

G. Satyanarayana

G. Satyanarayana

Head of the Department

Computer Science & Engineering

Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
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Automated Testing Tools for web applications

Duration: 26-06-2017 to 1-07-2017

SCHEDULE

Day 1 (26-6-2017)

9.00 A.M – 1.00 P.M : Introduction to the WebDriver

1.00P.M -2.00 P.M : Lunch

2.00PM -4.00 P.M : Comparison with Selenium RC

Day 2 (27-6-2017)

9.00 A.M – 1.00 P.M : Introduction to selenium web driver

1.00P.M -2.00 P.M : Lunch

2.00PM -4.00 P.M : Gain an understanding of the Architecture of selenium Webdriver

Day 3 (28-6-2017)

9.00 A.M – 1.00 P.M : Introduction to scripting

1.00P.M -2.00 P.M : Lunch

2.00PM -4.00 P.M : Examine the Enhancement of a script using Selenium IDE

Day 4 (29-6-2017)

9.00 A.M – 1.00 P.M : Introduction to Ajax

1.00P.M -2.00 P.M : Lunch

2.00PM -4.00 P.M : Describe how to Handling Ajax Components

Day 5 (30-6-2017)

9.00 A.M – 1.00 P.M :Introduction to Automation

1.00P.M -2.00 P.M : Lunch

2.00PM -4.00 P.M : Explain Scope of Automation

Day 6 (1-7-2017)

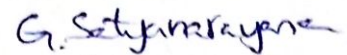
9.00 A.M – 1.00 P.M : levels of testing

1.00P.M -2.00 P.M : Lunch

2.00PM -4.00 P.M : Become familiar with the Testing at different Levels


D. Anusha

Coordinator


G. Satyanarayana

Head of the Department

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Automated Testing Tools For Web Applications

Dated : 26/6/2017 To 1/7/2017

IV B.Tech STUDENTS ATTENDANCE LIST

S.NO	ROLL.NO	NAME OF THE STUDENT	Day 1	Day 2	Da 3	Day 4	Day 5	Day 6
1	14811A0501	AKUMUKI SHAMBHAVI DEVI	✓	✓	✓	✓	✓	✓
2	14811A0502	AMBATI RAMKUMARI	✓	✓	✓	✓	✓	✓
3	14811A0503	AVULA BOSE BABU	✓	✓	✓	✓	✓	✓
4	14811A0504	BAGGAM GAYATRI	✓	✓	✓	✓	✓	✓
5	14811A0505	BANGARU TARUN RAJ	✓	✓	✓	✓	✓	✓
6	14811A0506	BATHULA MANASWINI	✓	✓	✓	✓	✗	✓
7	14811A0507	BODDU PAVANI	✓	✓	✓	✓	✓	✓
8	14811A0508	BOMMANA NAVEEN KUMAR	✓	✓	✓	✓	✓	✓
9	14811A0509	BONDA SURYA ARAVIND SWAMY	✓	✓	✓	✓	✓	✓
10	14811A0510	BOPPANA LAKSHMI LAVANYA	✓	✓	✓	✓	✓	✓
11	14811A0511	BUGIDI RAMYA	✓	✓	✓	✓	✓	✓
12	14811A0512	CHAITANYA PATTEM	✓	✓	✓	✓	✓	✓
13	14811A0513	CHEKURI SATYA SIVANANTHA VARMA	✗	✓	✓	✓	✓	✓
14	14811A0514	DAGGUPATI VIJAYA DURGA	✓	✓	✓	✓	✓	✓
15	14811A0515	DANGETI ROJA	✓	✓	✓	✓	✓	✓
16	14811A0516	DARLAPUDI SRAVYA	✓	✓	✓	✓	✓	✓
17	14811A0517	DWARAPUDI E MANIKANTA PRABHUVU	✓	✓	✓	✓	✓	✓
18	14811A0518	EARLE AKHIL	✓	✓	✗	✓	✓	✓
19	14811A0519	G SUKANYA	✓	✓	✓	✓	✓	✓
20	14811A0520	GARUDA SAI LAKSHMI YAMINI	✓	✓	✓	✓	✓	✓
21	14811A0521	GAVINI MANOJ	✓	✓	✓	✓	✓	✓

22	14811A0522	GRANDHI SIVA PRASAD	✓	✓	✓	✓	✓	✓
23	14811A0523	GRANDHI SWAPNIKA	✓	✓	✓	✓	✓	✓
24	14811A0524	GUDIMETLA VENKATA SATHYA SAI LALITHKUMAR	✓	✓	✓	✓	✓	✓
25	14811A0525	GUDLA SUDHA SATYA SAI VENKAT REDDY	✓	X	✓	✓	✓	✓
26	14811A0526	GUNDA VENKATA RAMANA	✓	✓	✓	✓	✓	✓
27	14811A0527	JANAKI NAGENDRA	✓	✓	✓	✓	✓	✓
28	14811A0528	JANAPAREDDY HARI KRISHNA	✓	✓	✓	✓	✓	✓
29	14811A0529	KAKI LAXMAN VASANTHA LAKSHMI	✓	✓	✓	✓	✓	✓
30	14811A0530	KANCHARLA VENKATASATYASURENDRA	✓	✓	X	✓	✓	✓
31	14811A0531	KANDREGULA V MOUNIKA PADHMA	✓	✓	✓	✓	✓	✓
32	14811A0532	KARRAVULA PRIYANKA	✓	✓	✓	✓	✓	✓
33	14811A0533	KARRI ANITHA	✓	✓	✓	✓	✓	✓
34	14811A0534	KARRI HARIKA	✓	✓	✓	✓	✓	✓
35	14811A0535	KOMMA MURALI KRISHNA	✓	✓	✓	✓	✓	✓
36	14811A0536	KORUKONDA SRAVANI	✓	✓	✓	✓	✓	✓
37	14811A0537	KOTTAKOTA VINEETA	✓	✓	✓	✓	✓	✓
38	14811A0538	LANKA VARUN VARDHAN	✓	✓	✓	✓	✓	✓
39	14811A0539	LEKKALA PRAVEEN KUMAR	✓	✓	✓	✓	✓	✓
40	14811A0540	LOKARAPU VENKATARAMANA	✓	X	✓	✓	✓	✓
41	14811A0541	MADABATHULA NIHARIKA	✓	✓	✓	✓	✓	✓
42	14811A0542	MOHAMMED AKRAM ISSACK AHMED	✓	✓	✓	✓	✓	X
43	14811A0543	MYPALA SRIVALLI	✓	✓	✓	✓	✓	✓
44	14811A0544	NAGUMANTHRI SAIDUTT	✓	✓	✓	✓	✓	✓
45	14811A0545	NALLAMILLI VIJAYA MANIKANTA REDDY	✓	✓	✓	✓	✓	✓
46	14811A0546	NISHTALA S V V JYOTHI	✓	✓	✓	✓	✓	✓
47	14811A0547	NUNNA RAVI TEJA	✓	✓	✓	✓	✓	✓

48	14811A0548	P DURGABHAVANI	✓	✓	✓	✓	✓	✓
49	14811A0549	PALA VAMSI PRATHYUSHA	✗	✓	✓	✓	✓	✓
50	14811A0550	PENTAKOTA BHAGYA SREE	✓	✓	✓	✓	✓	✓
51	14811A0551	PILLA GANGADHAR	✓	✓	✓	✓	✓	✓
52	14811A0552	PILLA SAI PAVANI VINEETHA	✓	✓	✓	✓	✓	✓
53	14811A0553	POLAMARASETTI SAI RAM CHARAN	✓	✓	✓	✓	✓	✓
54	14811A0554	PRATAPAGIRI SAI KIRAN	✓	✓	✓	✓	✓	✓
55	14811A0555	RAHUL KALKI YEKKALA	✓	✓	✓	✓	✓	✓
56	14811A0556	RAJANA PRANAY	✓	✓	✓	✗	✓	✓
57	14811A0558	RONGALA BHAGYA LAKSHMI	✓	✓	✓	✓	✓	✓
58	14811A0559	RONGALA TANESH	✓	✓	✓	✓	✓	✓
59	14811A0560	RUTTALA GEETA DEVI	✓	✓	✓	✓	✓	✓
60	14811A0561	SALAMSETTY NANDINI DEVI	✓	✓	✓	✓	✓	✓
61	14811A0562	SALAPU ANIL KUMAR	✓	✓	✓	✓	✓	✓
62	14811A0563	SARAGADAM PAVAN SAI	✓	✓	✓	✓	✓	✗

Anusha
Coordinator

G. Satyama Rajana

HOD

Avanthy Institute of Engg & Technology
Tamaram, Makavarapalem Md
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AVANTHI

INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tamaram (V), Makavarapalem (M), Visakhapatnam Dist. 531113.

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Certificate of Participation

This is to certify that Mr./Ms. _____ of _____ has participated in the Certificate Course entitled On **AUTOMATED TESTING TOOLS FOR WEB APPLICATIONS** from 26th JUNE 2017 to 1st JULY 2017 was organised by the Department of COMPUTER SCIENCE AND ENGINEERING at Avanathi Institute Of Engineering and Technology

Coordinator

HOD

Principal



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A Course On

Automated Testing tools for Web applications

Dated : 26/6/2017



Anush
Coordinator

G. Satyaramayana
HOD

Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113



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Department of Computer Science and Engineering

Dt:03-7-2017

BRIEF REPORT

Department of Computer Science and Engineering, Avanthi Institute of Engineering and Technology had organized a certificate course on “Automated Testing Tools for web applications” during 26-6-2017 to 01-7-2017

We had Resource person T.Satyanarayana Murthy, Associate Professor, and Bapatla Engineering College as the speaker to explain about what is selenium web driver such as Selenium Web Driver is an API that allows us to write automated tests for web applications. The automated tests that use Selenium Web Driver are run by using a web browser. In other words, Selenium Web Driver helps us to verify that our application is working as expected when it is used by a real user.

Next Resource Person Dr.G.Lavanya Devi, Assistant Professor, Computer Science & Engineering Andhra University, Visakhapatnam explained architecture of selenium web driver. Next he explained about how to handle Ajax components such as the biggest challenge in handling Ajax call is knowing the loading time for the web page. Since the loading of the web page will last only for a fraction of seconds, it is difficult for the tester to test such application through automation tool. For that, Selenium Web driver has to use the wait method on this Ajax Call. So by executing this wait command, selenium will suspend the execution of current Test Case and wait for the expected or new value. When the new value or field appears, the suspended test cases will get executed by Selenium Web driver.

Anurag
Coordinator

G. Satyanarayana
Head of the Department

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