

## AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

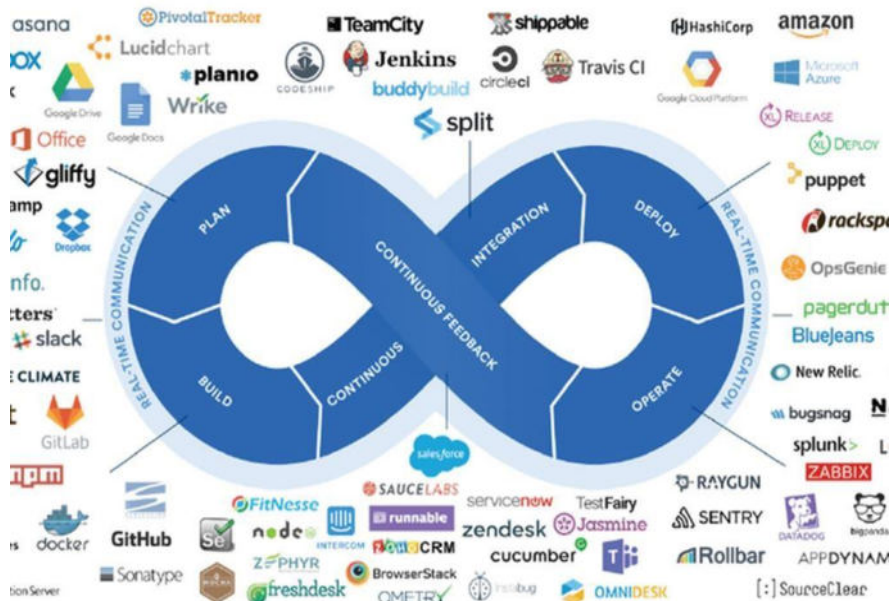
(Approved by AICTE, Permanently Affiliated to JNT University Kakinada,  
Accredited by NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113



Certificate Course  
on

### CI/CD Pipe Line with Jenkins

From 18<sup>th</sup> June 2018 to 23<sup>rd</sup> June 2018



ORGANIZED BY

DEPT. OF COMPUTER SCIENCE 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**

Jenkins is an open source automation server written in Java. Jenkins helps to automate the nonhuman part of the software development process, with continuous integration and facilitating technical aspects of continuous delivery. It is a server-based system that runs in servlet containers such as Apache Tomcat. The participants will be able to learn comprehensively about

Jenkins that provides many plugins to support building, deploying and automating any project.

At the end of this course, one would be able to exhibit a good understanding on Jenkins as an extensible automation server and also that it can be used as a simple CI server or turned into the continuous delivery hub for any project. This course will teach you how to use Jenkins using the Jenkins DSL and Jenkins Pipelines (Jenkins file). It's a new way of using Jenkins, rather than using freestyle projects

### **TOPICS TO BE COVERED**

Day 1	Basics of CI/CD Pipeline
Day 2	Setting up Jenkins
Day 3	Jenkins Pipelines
Day 4	Continuous Integration(CI) with Jenkins
Day 5	Integrating Plugins with Jenkins
Day 6	Securing Jenkins

For Registration please contact Mr.K.Varaprasad, Assistant Professor, CSE.

#### **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**

G.Satyanarayana  
Head of the Department  
Computer Science & Engineering



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

Dt: 11-6- 2018.

### CIRCULAR

On behalf of the Department of Computer Science and Engineering AIET is conducting one week certificate course on “CICD Pipeline with Jenkins” during 18<sup>th</sup> June 2018 to 23<sup>rd</sup> June 2018 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 contact course Coordinator, Mr.K.Varaprasad, Assistant Professor, CSE.

**Resource Persons:** 1. Dr. Dr.K.Narasimha Raju

Associate Professor

CSE Department

Lendi Institute of Engineering and Technology, Tallavalasa

2. Dr.K.Vijay Kumar

Professor

Vignan's Institute of Engineering for Women

Duvvada

*Dr. G. Satyanarayana*  
Dr.G.Satyanarayana

Head of the Department

Computer Science and Engineering

Avanthi Institute of Engg & Technology

Tamaram, Makavarapalem Md

Visakhapatnam District, Pin-531113

Copy to: Principal, AIET



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## CI/CD Pipeline with Jenkins

Duration: 18-06-2018 to 23-06-2018

### SYLLABUS

- Day 1 Basics of CI/CD Pipeline
- Day 2 Setting up Jenkins
- Day 3 Jenkins Pipelines
- Day 4 Continuous Integration(CI) with Jenkins
- Day 5 Integrating Plugins with Jenkins
- Day 6 Securing Jenkins

  
Coordinator

*G. Satyanarayana*  
Dr.G.Satyanarayana

Head Of the Department

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





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**Duration: 18-06-2018 to 23-06-2018**

**SCHEDULE**

**Day 1 (3-2-2018)**

- 9.00 A.M – 1.00 P.M : Introduction to the CI/CD Pipeline  
1.00P.M -2.00 P.M : Lunch  
2.00PM -4.00 P.M : Brief discussion on CI/CD Pipeline

**Day 2 (4-2-2018)**

- 9.00 A.M – 1.00 P.M : Introduction to setting up Jenkins  
1.00P.M -2.00 P.M : Lunch  
2.00PM -4.00 P.M : Brief discussion of Jenkins

**Day 3 (5-2-2018)**

- 9.00 A.M – 1.00 P.M : Introduction to Jenkins  
1.00P.M -2.00 P.M : Lunch  
2.00PM -4.00 P.M : Brief discussion of Jenkins

**Day 4 (6-2-2018)**

- 9.00 A.M – 1.00 P.M : Continuous integration with Jenkins  
1.00P.M -2.00 P.M : Lunch  
2.00PM -4.00 P.M : Continuous integration with Jenkins

**Day 5 (7-2-2018)**

- 9.00 A.M – 1.00 P.M : Integration plugins with Jenkins  
1.00P.M -2.00 P.M : Lunch  
2.00PM -4.00 P.M : Integration plug-ins with Jenkins

Day 6 (8-2-2018)

9.00 A.M – 1.00 P.M : Introduction to secure Jenkins

1.00P.M -2.00 P.M : Lunch

2.00PM -4.00 P.M : discuss about Jenkins

  
Coordinator

  
Dr.G. Satyanarayana

Head of the Department

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



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CICD Pipeline With Jenkins

Date: 18/06/2018 To 23/6/2018

## IV B.Tech STUDENTS ATTENDANCE LIST

S.NO	ROLL NO	NAME OF THE STUDENT	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
1	15811A0501	ADARI SRI LAKSHMI	✓	✓	✓	✓	✓	✓
2	15811A0502	APPILISETTI KARTHIK	✓	✓	✓	✓	✓	✓
3	15811A0503	AVVA YAMUNA	✓	✓	✓	✓	✓	✓
4	15811A0504	BADIREDDI DINESH	✓	✓	✓	✓	✓	✓
5	15811A0505	BANDARU GOWTHAM SAI	✓	✓	✓	✓	✓	✓
6	15811A0506	BANDARU LOKESH	✓	✓	✗	✓	✓	✓
7	15811A0507	BANDARU PAVAN KALYAN	✓	✗	✓	✓	✓	✓
8	15811A0508	BANDARU YAMINI	✓	✓	✓	✓	✓	✓
9	15811A0509	BANDLAMUDI HINESH	✓	✓	✓	✓	✓	✓
10	15811A0510	BANKI ANJANA GAYATRI	✓	✓	✓	✓	✓	✓
11	15811A0511	BHEEMARASETTY SRIKANTH	✓	✓	✗	✓	✓	✓
12	15811A0512	BODDEDA SWAMITRINADH	✓	✓	✓	✓	✓	✓
13	15811A0513	BONTHU LAKSHMI SUDHEER	✓	✓	✓	✓	✓	✓
14	15811A0514	CHEKKA ROSHINI	✓	✓	✓	✓	✓	✓
15	15811A0515	CHINNI ALEKHYA	✓	✓	✓	✓	✓	✓
16	15811A0516	CHINNI PUSHPA LATHA	✓	✓	✓	✓	✓	✓
17	15811A0517	DATLA SRI LAKSHMI	✓	✓	✓	✗	✓	✓
18	15811A0518	DENDUKURI MOUNIKA PADMAPRIYA	✓	✓	✗	✓	✓	✓
19	15811A0519	DITTAKAVI SAI BUTCHI RAJU	✓	✓	✓	✓	✓	✓
20	15811A0520	GAJULA GANA DEEPIKA	✓	✓	✓	✓	✓	✓
21	15811A0521	GANESH SANJAY	✓	✓	✓	✓	✓	✓
22	15811A0522	GEDDAM CHINNI	✓	✓	✓	✓	✓	✓

23	15811A0523	GOGULAPATI MOUNIKA	✓	✓	✓	✓	✓	✓
24	15811A0524	GOMPA PYDITHALLI	✓	✓	✓	✓	✓	✓
25	15811A0525	GUDIVADA SIRISHA	✓	✓	✓	✓	✓	✓
26	15811A0526	GUJJARI VANAJA	✓	✓	✓	✓	✓	✓
27	15811A0527	GUNA HARI KEERTHANA	✓	✓	✓	✓	✓	✓
28	15811A0528	GUNDA SUSMITHA	✓	✓	✓	✓	✓	✓
29	15811A0529	GUSIDI PRIYANKA	✓	✓	✓	✓	✓	✓
30	15811A0530	IRAGALA PRASANNA	✓	✓	✓	✓	✓	✓
31	15811A0531	JANAPAREDDY KEERTHI	✓	✓	✓	✓	✓	✓
32	15811A0532	JETTI SAI PRAKASH KUMAR	✓	✓	✓	✓	✓	✓
33	15811A0533	KADA DEVI	✓	✓	✓	✓	✓	✓
34	15811A0534	KADIMISETTY NAVYA	✓	✓	✓	✓	✓	✓
35	15811A0535	KANITHI JYOTHI SWAROOP	✓	✗	✓	✓	✓	✓
36	15811A0536	KARRI BHAVYA SINDHU	✓	✓	✓	✓	✓	✓
37	15811A0537	KASIMKOTA RAMA KISHORE	✓	✓	✓	✓	✓	✓
38	15811A0538	LALALM JYOTHI	✓	✓	✓	✓	✓	✓
39	15811A0539	LEKKALA RAVALI	✓	✓	✓	✓	✓	✓
40	15811A0540	MAHANKALI ANUSHA	✓	✓	✓	✓	✓	✓
41	15811A0541	MAHARANA BRAJESH	✓	✓	✓	✓	✓	✓
42	15811A0542	MAILA MAHIDHAR REDDY	✓	✓	✓	✓	✓	✓
43	15811A0543	MARTHI LAVANYA	✓	✓	✓	✓	✓	✓
44	15811A0544	MATHIREDDY SREE HARSHITHA	✓	✓	✓	✓	✓	✓
45	15811A0545	MEGHANA MANGA	✓	✓	✓	✓	✓	✓
46	15811A0546	MENDA MONICA	✓	✓	✓	✓	✓	✓
47	15811A0547	MOHAN SAI BISAI	✓	✗	✓	✓	✓	✓
48	15811A0549	NALLA RAMYASRI	✓	✓	✓	✓	✓	✓
49	15811A0550	NAREDLA SAI GOPI KRISHNA REDDY	✓	✓	✓	✓	✗	✓
50	15811A0551	PANCHADARLA SAINELIMAYADAV	✓	✗	✓	✓	✓	✓
51	15811A0552	PARAVADA LEELA RANI	✓	✓	✓	✓	✓	✓



52	15811A0553	PATNANA GANESH	✓	✓	✓	✓	✓	✗
53	15811A0554	PENAGANTI MOUNIKA	✓	✓	✓	✓	✓	✓
54	15811A0555	PENTAKOTA VINAY	✗	✓	✓	✓	✓	✓
55	15811A0556	PUNATI HEMANTH BABU	✓	✓	✓	✓	✓	✗
56	15811A0557	PUNYAMANTULA HARITEJA	✓	✓	✓	✓	✓	✓
57	15811A0558	RAJANA SRAVANI	✓	✓	✓	✓	✓	✓
58	15811A0559	RALLAPALLI TEJASWANI	✓	✓	✓	✓	✓	✓
59	15811A0560	REDDI NANI	✓	✓	✓	✓	✓	✓
60	15811A0561	REKKALA SUDHAKAR	✓	✓	✓	✓	✓	✓
61	15811A0562	RENTAPALLI LALIT SAGAR	✓	✓	✓	✓	✓	✓
62	15811A0563	ROUTHU JHANSI	✓	✓	✓	✓	✓	✓
63	15811A0564	RUTTALA HEMA VENKATA HARSHINI	✓	✓	✓	✓	✓	✓
64	15811A0565	SANAPATHI DIVYA JYOTHI	✓	✓	✓	✓	✓	✓
65	15811A0566	SINGIRLA RAJESH	✓	✗	✓	✓	✓	✓
66	15811A0567	SINISETTI SWATHI	✓	✓	✓	✓	✓	✓
67	15811A0568	SUNKARA HEMANTH KUMAR	✓	✓	✓	✓	✓	✓
68	15811A0569	SURLA TEJASWI	✓	✓	✓	✓	✓	✓
69	15811A0570	THATIKONDA KAVYA	✓	✓	✓	✓	✓	✓
70	15811A0571	TONGI ANIL KUMAR	✓	✓	✗	✓	✓	✓
71	15811A0572	VIBOYANA MANIKANTA GUNA SEKHAR	✓	✓	✓	✓	✓	✓
72	15811A0573	VEGI GAYATHRI	✓	✓	✓	✓	✓	✓
73	15811A0574	YARRA KUMAR SREE	✓	✓	✓	✓	✓	✓
74	15811A0575	SHWETA DUBEY	✓	✓	✓	✓	✓	✓
75	16815A0501	BEESETTI LAHARI	✓	✓	✓	✓	✓	✓

  
Coordinator

*Dr. Satyanarayana*  
HOD  
Avanthi Institute of Engg & Technology  
Tamaram, Makavarapalem Md  
Visakhapatnam District, Pin-531113



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### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

A Course On

**CICD Pipe line With Jenkins**

**Dated : 18/6/2018**



*Atv*  
Coordinator

*Gi. Satyanarayana*  
HOD  
Avanathi Institute of Engg & Technology,  
Tamaram, Makavarapalem Md  
Visakhapatnam District, Pin-531113





# 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 CICD PIPELINE WITH JENKINS from 18<sup>th</sup> JUNE 2018 to 23<sup>rd</sup> JUNE 2018 was organized  
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

Dt: 25-6-2018.

### BRIEF REPORT

Department of Computer Science and Engineering, Avanathi Institute of Engineering and Technology had organized a certificate course on “CICD Pipeline with Jenkins” during 18-6-2018 to 23-6-2018

We had Resource Person : **Dr. Dr.K.Narasimharaju, Associate Professor, CSE Dept, Lendi Institute of Engineering and Technology, Tallavalasa** was the speaker to explain about each and every details of CI/CD Pipeline .He started with off what is it and gave the proper definition.Continuous integration (CI) enables software development teams and workflows. The greatest challenge for many development teams is feature development.Continuous delivery (CD) enables operations teams and workflows. The goal is to safely and repeatedly deliver an artefact into a production environment.

**Dr.K.Vijay Kumar,Professor,Vignan's Institute of Engineering for Women, Duvvada** explained about Jenkins provides us with various interfaces and tools in order to automate the entire process.We will create a git repository or use an existing one, Dev team have the responsibility to commit the code to Dev-Branch, Jenkins will fetch the code from Github and will map with the job enabled for a specific task,We will make sure that CI and CD is done for the job/task

  
Coordinator

  
Head of the Department

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