

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

DevOps and Software Engineering

From 24th Aug 2020 to 29th Aug 2020

Google meet link: meet.google.com/nzw-eohw-hoz



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 &

Day:1
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

DevOps engineers have a multifaceted background that typically begins with software development or software engineering. They also tend to hone their business skills to manage teams, test user interfaces, and oversee aspects of design and distribution. DevOps engineers must have strong interpersonal communication and collaborative abilities in addition to superior coding skills. Software engineers are software development professionals who apply engineering principles to the development process. They are big-picture software developers who often work in teams, collaborating with fellow developers and other computer science professionals to solve problems and Software engineers are software development professionals who apply engineering principles to the development process. developers and others.

CHIEF PATRON

Smt.M.Gnaneswari
President
Avanathi Institute of Engineering and Technology

PATRON

Dr. C P V N J Mohan Rao
Principal
Avanathi Institute of Engineering and Technology

CHAIRMAN

U.Nanaji
Head of The Department
Computer Science & Engineering

Topics to be covered

- Day 1 Working to maintain security controls and compliance validation
- Day 2 Monitoring operations to avoid performance bottlenecks
- Day 3 Assessing the effectiveness of automation tools for building, deployment and operations of computer system
- Day 4 Improving software performance based on client feedback
- Day 5 Documenting the development and performance of the software for reference during upgrades
- Day 6 Coordinate the software installation into client's computer system

For Registration please contact Mr.P.V.S. Prabhakar, Assistant Professor, CSE



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

Date: 17/08/2020

On behalf of the Department of Computer Science and Engineering, AIET is conducting one week certificate course on "DevOps and Software Engineering" from 24th August, 2020 to 29th August, 2020 for all the students of III year CSE through virtual mode. I advise to all the students of III year CSE to enroll your details for above course. For more details, you may consult Course Coordinator Mr. P.V.S Prabhakar, Assistant Professor, CSE

Resource Person Details:

1. Dr. R.Rajeswararao,
Professor,
Department of Computer Science and Engineering,
JNTU Vizianagaram.
2. Dr.Bode Prasad,
Professor,
Department of Information Technology,
Vignan's Institute of Information Technology, Duvvada,
Visakhapatnam.

U. Nanaji

Head of the Department

Computer Science and Engineering

Copy to: Principal, AIET

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



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DevOps and Software Engineering

From 24th August 2020 to 29th August 2020

Syllabus

- DAY 1 : Working to maintain security controls and compliance validation
- DAY 2 : Monitoring operations to avoid performance bottlenecks
- DAY 3 : Assessing the effectiveness of automation tools for building, deployment and operations of computer system
- DAY 4 : Improving software performance based on client feedback
- DAY 5 : Documenting the development and performance of the software for reference during upgrades
- DAY 6 : Coordinate the software installation into client's computer system


Mr. P. V. S. Prabhakar

Coordinator


U. Nanaji

Head Of the Department

Computer Science and Engineering

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



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DevOps and Software Engineering

From 24th August 2020 to 29th August 2020

Schedule

DAY 1(24-8-2020)

9.00 A.M – 1.00 P.M : Working to maintain security controls

1.00 P.M – 2.00 P.M : Lunch break

2.00 P.M – 4.00 P.M : Compliance validation

DAY 2(25-8-2020)

9.00 A.M – 1.00 P.M : Introduction to Monitoring operations to avoid performance bottlenecks

1.00 P.M – 2.00 P.M : Lunch break

2.00 P.M – 4.00 P.M : Monitoring operations to avoid performance bottlenecks

DAY 3(26-8-2020)

9.00 A.M – 1.00 P.M : Assessing the effectiveness of automation tools for building

1.00 P.M – 2.00 P.M : Lunch break

2.00 P.M – 4.00 P.M : Deployment and operations of computer system

DAY 4(27-8-2020)

9.00 A.M – 1.00 P.M : Introduction improving software performance based on client feedback

1.00 P.M – 2.00 P.M : Lunch break

2.00 P.M – 4.00 P.M : Improving software performance based on client feedback

DAY 5(28-8-2020)

9.00 A.M – 1.00 P.M : Documenting the development of the software for reference during upgrades

1.00 P.M – 2.00 P.M : Lunch break

2.00 P.M – 4.00 P.M : Documenting the performance of the software for reference during upgrades

DAY 6(29-8-2020)

9.00 A.M – 1.00 P.M : Coordinate the software installation into client's computer system

1.00 P.M – 2.00 P.M : Lunch break

2.00 P.M – 4.00 P.M : Coordinate the software installation into client's computer system



Mr.P.V.S.Prabhakar
Coordinator



U.Nanaji
Head Of the Department
Computer Science and Engineering

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DevOps and S/E

Date on 24/08/2020 To 29/08/2020

III 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	18811A0501	BAILAPUDI PADMA	✓	✓	✓	✓	✓	✓
2	18811A0502	BHANUMATHI PALAPARTHI	✓	✓	✓	✓	✓	✓
3	18811A0503	BODDAPU PRASAD	✓	✓	✓	✓	✓	✓
4	18811A0504	BODDEDA LOKESH	✓	✓	✓	✓	✓	✓
5	18811A0505	BOINA TEJA	✓	✓	✓	✓	✓	✓
6	18811A0506	BONTHU PRANAY	✓	✓	✓	✓	✓	✓
7	18811A0507	DACHEPALLI VENKATA VIJAYALAKSHMI	✗	✓	✓	✓	✓	✓
8	18811A0508	DARAPUREDDY VANI VASUNDHARA	✓	✓	✗	✓	✓	✓
9	18811A0509	DIVYA BISAI	✓	✓	✓	✓	✓	✓
10	18811A0510	DUGGINENI UMESH CHANDRA	✓	✓	✓	✓	✓	✓
11	18811A0511	DWARAM SUSHMITHA YAMINI	✓	✓	✓	✓	✓	✓
12	18811A0512	GANDI BHARDWAZ NAIDU	✓	✓	✓	✓	✓	✓
13	18811A0513	GOGINENI ALEKHYA	✓	✓	✓	✗	✓	✓
14	18811A0514	GOKADA PRASANTH KUMAR	✓	✓	✓	✓	✓	✗
15	18811A0515	GOLTI SAI KOTI MEGHANA	✓	✓	✓	✓	✓	✓
16	18811A0516	GOPALADAS VASANTHI	✓	✓	✓	✓	✓	✓
17	18811A0517	GOPINAYAKA HEMA	✓	✓	✓	✓	✓	✓
18	18811A0518	GORI A ABHISHEK	✓	✓	✓	✓	✓	✓
19	18811A0519	GORJE SRI SATYA	✓	✓	✓	✓	✓	✓
20	18811A0520	GRANDI RAMYA	✓	✓	✓	✓	✓	✓
21	18811A0521	GURU CHANDRIKA	✓	✓	✓	✓	✓	✓

22	18811A0522	GURRAM BHARGAVI	✓	✓	✓	✓	✓	✓
23	18811A0523	GURUCHARANA KRISHNA LAHARI	✓	✓	✓	✓	✓	✓
24	18811A0524	IMANDI RUBIN PRINCE	✓	✓	✓	✓	✓	✓
25	18811A0525	JAMPANA DHANUSH VARMA	✓	✓	✓	✓	✓	✓
26	18811A0526	K VASANTHA	✗	✓	✓	✓	✓	✓
27	18811A0527	KADALI NISCHALA DEVI	✓	✓	✓	✓	✓	✓
28	18811A0528	KADAVALA SAI PRIYA	✓	✓	✓	✓	✓	✓
29	18811A0529	KADIMISETTY MANIKANTA	✓	✓	✓	✓	✓	✓
30	18811A0530	KANTA RUCHITHA	✓	✓	✓	✓	✓	✓
31	18811A0531	KARAKAVALASA DHANALAKSHMI	✓	✓	✓	✓	✓	✓
32	18811A0532	KARANAM CHIRUCHAITANYA	✓	✓	✓	✓	✓	✓
33	18811A0533	KEERTHI TEJASWI	✓	✗	✓	✓	✓	✓
34	18811A0534	KILAPARTHI DURGA PRASAD	✓	✓	✓	✗	✓	✓
35	18811A0535	KOTARU JANI KRISHNA	✓	✓	✓	✓	✓	✓
36	18811A0536	KOTHAKOTA MAHESWARI	✓	✓	✓	✓	✓	✓
37	18811A0537	KOTTE SAI GANESH	✓	✓	✓	✓	✓	✓
38	18811A0538	LAKKOJU SRAVAN KUMAR	✓	✓	✓	✓	✓	✓
39	18811A0539	LALAM SASIPRIYA	✓	✓	✓	✓	✗	✓
40	18811A0540	MADUGULA JAGAN MOHAN SATYA DURGA PRASAD	✓	✓	✓	✓	✓	✗
41	18811A0541	MAJJI SAI LAKSHMI	✓	✓	✓	✓	✓	✓
42	18811A0542	MAJJI TULASI	✓	✓	✓	✓	✓	✓
43	18811A0543	MARISETTI MEENAKSHI	✓	✓	✓	✓	✓	✓
44	18811A0544	MEDISETTI JANAKI	✓	✓	✓	✓	✓	✓
45	18811A0545	MUPPANA DEVI PRIYANKA	✓	✓	✓	✓	✓	✓
46	18811A0546	PATHAKAMUDI SHARMILA	✓	✓	✓	✓	✓	✓
47	18811A0547	PATHALA NAGENDRA	✓	✓	✓	✓	✓	✓
48	18811A0548	PENUGUNTLA DIWAKARA SWAMY	✓	✓	✓	✓	✓	✓
49	18811A0549	PILLA BHARGAVI	✓	✓	✓	✓	✓	✓
50	18811A0550	PITLA THANUSHA	✓	✓	✓	✓	✓	✓

51	18811A0551	POTHAMSETTI MANIKANTA	✓	✓	✓	✓	✓	✓
52	18811A0552	REDDI ISHWARYA	✓	✓	✓	✓	✓	✓
53	18811A0553	SALAPU NEELIMA DURGA BHAVANI	✓	✓	✓	✓	✓	✓
54	18811A0554	SANIVARAPU BINDU SREE	✓	✓	✓	✓	✗	✓
55	18811A0555	SEERA SREELEKHA	✓	✓				
56	18811A0556	SIDDABATTULA DURGA VENKATA SAI	✗	✗	✓	✓	✓	✓
57	18811A0557	SIRUVURI VENKATAPATHI RAJU	✓	✓	✓	✓	✓	✓
58	18811A0558	SOOREDDY PAVAN KUMAR	✓	✓	✓	✓	✓	✓
59	18811A0559	SUNKARA BHAGYA TEJA	✓	✓	✓	✗	✓	✓
60	18811A0560	T PRATYUSHA	✓	✓	✓	✓	✓	✓
61	18811A0561	TULURI SWAROOPA RANI	✓	✓	✓	✓	✓	✓
62	18811A0563	VILLURI SATYA SAI	✓	✓	✓	✓	✓	✓
63	18811A0564	VUDI DEVI VARAPRASAD	✗	✓	✓	✓	✓	✓
64	18811A0565	WASHINGTON VINEET DANIEL	✓	✓	✓	✓	✓	✗
65	18811A0566	YALAMANCHILI SAILATHA	✓	✓	✓	✓	✓	✓
66	18811A0567	YERRAMSETTI PADMAJA SURYAKALA	✓	✓	✓	✓	✓	✓
67	18811A0568	YUVA PREMA SAI SANAPATHI	✓	✓	✗	✓	✓	✓
68	18811A0569	VEEROJU SAI PRASANNA	✓	✓	✓	✓	✓	✓



Mr.P.V.S.Prabhakar
Coordinator



HOD

Avanthi Institute of Engg & Technology
Tataram, Matavarapalem.
Visakhapatnam District, Pin-531144



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 **DevOps and Software Engineering** during 24th Aug 2020 to 29th Aug 2020 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

Dt:2-9-2020

BRIEF REPORT

Department of Computer Science and Engineering, Avanthi Institute of Engineering and Technology had organized a certificate course on “DevOps and S/E” during 24-8-2020 to 29-8-2020.

We had **Resource Person 1: Dr.R. Rajeswararao, Professor, Department of Computer Science and Engineering, JNTU Vizianagaram** was explained every detail about DevOps S/E. DevOps engineer is an IT person who is a part of both development and operation means DevOps engineers work on code with the developer team, oversee the code releases, and manages the deployment and operation processes. For proper integration and running of software, they work with the product operation team also. A DevOps engineer requires knowledge of programming, management, Knowledge of DevOps principles, problem-solving skills, organizational skills, etc.

Resource person 2: Dr. Bode Prasad, Professor, Department of Information Technology, VIIT, Duvvada, Visakhapatnam was explained about AWS Console Mobile App, AWS Account, AWS Relational Database services. Deploying and managing databases is one of the most complex, time-consuming, and expensive activities in IT. Amazon RDS removes this complexity by automating many of the undifferentiated but time-consuming and critical administrative tasks such as hardware provisioning, software installation and patching, storage management, and backups for disaster recovery. This enables developers and database administrators to free up time to focus on innovation.


Coordinator


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