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A ONE WEEK WORKSHOP

ON

AWS   CLOUD   COMPUTING

(7th Aug, 2023 to 12th Aug, 2023)

Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATON ENGINEEERING

In Association with

Andhra Pradesh State Skill Development Corporation (APSSDC)

Resource Persons	:	1. Mr. LOVABABU, Electronics Engineer-APSSDC.
Convenor	:	Dr.P. Poorna Priya, HOD ECE, DIET, Anakapalle.
Faculty Coordinators:		1. Mr.K. Someswararao, Assistant Professor, E.C.E
		2. Mr CH.Ramana babu, Assistant Professor, E.C.E
Student organizers	:	**Ms. Ch.L.Amulya(22U45A0406)**
		Ms. D. Aruna(21U41A0406)
		Mr. P. Sravan(21U41A0430)
Venue	:	Laboratory 3 , DIET .

Report on AWS CLOUD COMPUTING Workshop

The Department of Electronics and Communication Engineering of DIET, in association with Andhra Pradesh State Skill Development Corporation (APSSDC) has organized a One-week workshop on "AWS CLOUD COMPUTING" for III B.Tech. ECE Students from 07-08-2023 to 11-08-2023. The main aim of workshop was to develop practical knowledge of students in Cloud computing and to design the multiple Servers. The workshop was aimed to provide knowledge about Complete Cloud computing to enhance technical skills in every individual.

About cloud computing

Cloud computing is a trendy technology and has switched their services in every company due to various qualities and features.

* It is easier to get backup and restore

*Wonderful collaboration via clouding is possible

*It is an added advantage to the companies as it is accessible easily through internet at anytime and anywhere, increases productivity and efficiency with low maintenance cost

*It can be accessed via mobile and has unlimited Storage capacity

*It ensures the data is securely stored and handled

*Thus, Cloud computing is the best virtualization-based technology

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Inauguration:

The inauguration of the workshop was conducted in the Seminar Hall 2, DIET Campus on 07-08-2023 at 9.30 AM with a prayer song. The dignitaries of the Inaugural function includes, **Dr.R.Vaikunta Rao, Principal** , **Dr.P. Poorna Priya**, HOD-ECE & Workshop Convenor and resource persons **Mr.J.Lova Babu, Electronics Engineer-APSSDC,** The HODs of other departments, E.C.E Department faculty members and 49 students from lII B.Tech. ECE Department have participated in the inaugural function. The welcome speech was given by Ms. Joshitha III B.Tech. ECE.

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Convenor, Dr.P. Poorna Priya, H.O.D, E.C.E Department, has given the opening remarks about the workshop . She addressed all the student participants to make use of this workshop and improve their practical knowledge.

Principal Dr. R.Vaikunta Rao, addressed students about workshop and the importance of APSSDC. He said that, it is an opportunity for all the IIl B.Tech. ECE students to learn Cloud Computing. Apart from theoretical knowledge, practical knowledge is also very important for Engineering students. So, he suggested all the students to make use of this One week workshop effectively.

 Mr.J. Lova Babu Electronics Engineer-APSSDC, briefed students about workshop and importance of Cloud computing.

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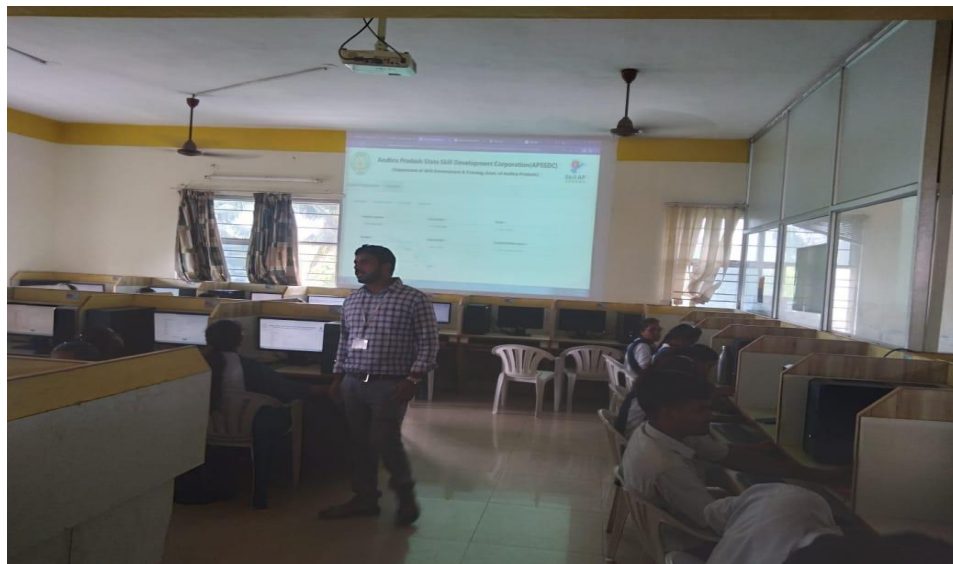
Day Wise Program Details

Day-1: Workshop on "AWS Cloud Computing " - DIET – 7th Aug 2023

Resource Persons: Mr.J. Lova Babu Electronics Engineer-APSSDC.

Topics covered: Introduction to Cloud computing and Launching Linux server

Mr.J.Lova Babu, in the Forenoon Session started the introduction of Cloud computing , benefits of the workshop and its applications. He explained about Launching of Linux server from 11:00 AM to 12:30 PM.

He explained about Various commands and its functions. All the 48 participants launched Linux server and executed the commands from 01:00 PM-04:00 PM.

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Day-2: Workshop on "Cloud computing " - DIET – 8th Aug 2023

Resource Persons: Mr.J. Lova Babu, Electronics Engineer-APSSDC

Topics covered: Launching of Ubuntu server

Mr.J. Lova Babu, explained how to Launch Ubuntu server and explained the various commands and its functions and conducted practical session.

In the Afternoon session he explained the volume creation and it's significance.

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Day-3: Workshop on "Cloud Computing " - DIET – 9th Aug 2023

Resource Persons: Mr.J.Lova Babu, Electronics Engineer-APSSDC

Topics covered: Creation of Load Balanced, Elastic IP, Simple storage service(s3), Bucket versioning

Mr.J. Lova Babu explained how to Create Load Balancer and elastic IP from 09:00 AM to 12:00 PM. In the Afternoon he explained on Simple storage service (s3) and Bucket versioning also from 1:00 PM to 4:00 PM .All the students participated actively in the session.

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Day-4: Workshop on "Cloud computing " - DIET –10th Aug 2023

Resource Persons: Mr.J. Love Babu, Electronics Engineer-APSSDC

Topics covered: static website hosting, Relational database

Mr.J. Lova Babu, explained on how to create Static Website hosting by using ec2 service (Auto packaging) from 09:00 AM to 12:30 PM.

He also explained about the Relational Database (RDS) and the significance of the database is from 01:30 PM to 04:00 PM. All the participants actively participated in creating it.

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Day-5: Workshop on "Cloud computing " - DIET – 11ᵗʰ Aug 2023

Resource Persons: Mr.J.Lova Babu, Electronics Engineer-APSSDC

Topics covered: MySQL practical session, postgres mysql

Mr.J. Lova Babu explained the designing of MySQL database and Postgres SQL from 09:00 AM to 4:00 PM. All the 48 participants created database and executed postures SQL. A live session was also conducted.

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Day-6: Workshop on "Cloud computing " - DIET – 12th Aug 2023

Resource Persons: Mr.J.Lova Babu, Electronics Engineer-APSSDC

Topics covered: practical session, postgres mysql

Mr.J. Lova Babu explained the designing of Postgres SQL from 09:00 AM to 4:00 PM. All the 48 participants created database and executed postures SQL. A live session   was also conducted.

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Outcome of workshop:

All the 48 participants effectively utilized the workshop and learned about Cloud computing and learnt the creation of various servers in the Cloud Computing.

All the participants were able to:

➢ Launch any server easily.
➢ Easily run Load Balancing and elastic IP, etc.

Feedback from students:

After attending this workshop students expressed their views as follows :

- In 3rd year itself we all got an opportunity to participate in workshop which is conducted on Cloud Computing in association with Andhra Pradesh State Skill Development Corporation (APSSDC).
- We learnt the basics of Cloud computing, different types of Servers.
- All five days had wonderful experience and exposure.
- We trained under experienced faculty. The trainers taught us how to overcome obstacles in Cloud computing. It is a great platform to interact with eminent, experienced, Skilled faculty and to share our opinions and clarifying doubts.

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I would like to thank our honourable Chairman, Sri Dadi Ratnakar Garu, for his continuous cooperation and support for conducting this workshop.

I would like to thank our beloved Principal, Dr.R.Vaikunta Rao for his encouragement in all the aspects for conducting Software based workshops .

I would like to thank Vice-Principal - DIET, A.O, All the Departmental HODs, Faculty coordinators, Student coordinators, ECE department teaching and non-teaching faculty members, Admin staff who knowingly and unknowingly helped in making this workshop a grand success.

Felicitations to the Resource Person Mr. J.Lova Babu sir by management on valedictory function.

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NEWS PAPER CLIPPINGS

సాంకేతికతే కీలకం

అనకాపల్లి పట్టణం, న్యూస్‌టుడే: ఇంజినీరింగ్ విద్యార్థులు సాంకేతికతను పెంపొందించుకోవాలని రిసోర్స్ పర్సన్ లోవరాజు తెలిపారు. పట్టణంలోని డైట్ కళాశాలలో స్కిల్ డెవలప్‌మెంట్ కార్పొరేషన్ ఆధ్వర్యంలో అమెజాన్ వెబ్ సర్వీస్ వర్క్‌షాపును సోమవారం ప్రారంభించారు. ఈసీఈ విద్యార్థులకు వారం రోజుల పాటు నిర్వహించే ఈ వర్క్‌షాపులో ఆయన మాట్లాడుతూ వివిధ అంశాలపై అవగాహన కల్పిస్తామన్నారు. కళాశాల ప్రిన్సిపల్ వైకుంఠరావు, ఈసీఈ విభాగపతి డాక్టర్ పూర్ణప్రియ పాల్గొన్నారు.

సాక్షి

క్లౌడ్ కంప్యూటింగ్ సర్టిఫికెట్లతో ఉపాధి

వర్క్‌షాపులో మాట్లాడుతున్న పూర్ణప్రియ

అనకాపల్లి టౌన్: అమెజాన్ వెబ్ సర్వీసెస్ వర్క్‌షాపు ద్వారా క్లౌడ్ కంప్యూటింగ్ సర్టిఫికెట్లు సంపాదించుకోవచ్చని డైట్ కళాశాల సీఈసీ విభాగాధిపతి పి.పూర్ణప్రియ తెలిపారు. స్టేట్ స్కిల్ డెవలప్‌మెంట్ కార్పొరేషన్ ఆధ్వర్యంలో సోమవారం స్థానిక కళాశాల ఆవరణలో అమెజాన్ వెబ్ సర్వీసెస్‌పై వర్క్‌షాప్ జరిగింది. ఈ కార్యక్రమాన్ని సీఈసీ విద్యార్థులు సద్వినియోగం చేసుకోవాలని ఆమె సూచించారు. కళాశాల ప్రిన్సిపాల్ ఆర్.వైకుంఠరావు మాట్లాడుతూ క్లౌడ్ కంప్యూటింగ్ సర్టిఫికెట్లు విద్యార్థుల ఉపాధి అవకాశాలకు దోహదపడతాయన్నారు. ఈ వర్క్‌షాపు ఏడు రోజులపాటు కొనసాగుతుందని చెప్పారు. రిసోర్స్ పర్సన్ జె.లోవబాబు మాట్లాడుతూ అమెజాన్ వెబ్ సర్వీసెస్‌లో లోడ్ బ్యాలెన్సింగ్, వెబ్‌సైట్ హోస్టింగ్, క్రియేషన్ ఆఫ్ డేటా బేస్ వంటి వాటి ద్వారా వివిధ టెక్నిక్స్‌ని విద్యార్థులు అందిపుచ్చుకోవాలన్నారు. కార్యక్రమంలో విద్యార్థులు, అధ్యాపకులు, అధ్యాపకేతర సిబ్బంది పాల్గొన్నారు.

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Department of Electronics & Communication Engineering

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Andhra Pradesh State Skill Development Corporation

is organizing **"One Week Workshop"** *on*

AWS Cloud Computing

Resource Person
Mr. J. Lova Babu

Date: 07-08-2023 to 12-08-2023   **Time:** 9:00 AM to 4:00 PM

Venue: Inauguration - Seminar Hall 2
Workshop - Lab 3

Dr. P. Poorna Priya	Dr. R. Vaikunta Rao	Sri Dadi Ratnakar
HoD, ECE	Principal I/C	Chairman