AICTE Training and Learning (ATAL)

One Week Faculty Development Program
On

Cloud Computing Using AWS
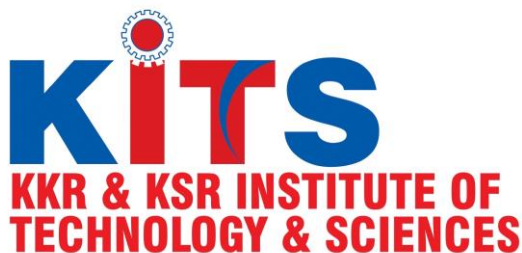### (Online)

November 23 - 27, 2020

AICTE Training and Learning Academy (ATAL)

Organized by

Department of Computer Science and Engineering

KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES

Approved by **AICTE**, New Delhi | Permanently Affiliated to **JNTUK**, Kakinada
Accredited with "A" Grade by **NAAC** & **NBA** (CSE, ECE, EEE, MECHANICAL & Civil)
Vinjanampadu (V), Vatticherukuru Mandal, Guntur - 522 017, A.P.

Cloud computing using AWS

This course is designed to provide an exposure to the fundamentals of Distributed Computing &Cloud Computing, AWS, Amazon Ec2, Load Balancing and Scaling, S3, Security Management in AWS etc.Participants will learn various models of those techniques. Hands-on training and practice sessions will help participant gain confidence on Cloud Computing, implementation including sessions will help the participants in their research. The course will be useful for faculty of engineering and sciences who are interested in the learning Cloud Computing.

About Institute

KKR & KSR Institute of Technology & Sciences popularly known as KITS was established in the year 2008 by GSR & KKR Educational Society in Vinjanampadu Village, Vatticherukuru Mandal of Guntur district Andhra Pradesh, India. The institute is accredited with "A" Grade by NAAC; all programs under the graduation are accredited by NBA, permanently affiliated to JNTUK, Kakinada. The institute has 23 MoU's with different industries for industry academia interactions. The institute is an active IIC Centre and MSME Incubation centre is provisionally sanctioned. The institute received the premier AICTE ChattraViswakarama Award 2019. Institute has a National Small Industries Corporation (NSIC) centre to promote entrepreneurship development in the country.

Institute is so active in conducting and participating in various Faculty Development Program's and Hackathons continuously.

About CSE Department

The Department of Computer Science and Engineering (CSE) at KKR & KSR Institute of Technology & Sciences was started in the year 2008 and provides an outstanding academic & research environment complemented by excellence in teaching. The Department offers B.Tech and M.Tech degrees. The Department is accredited by NBA. The department possesses the qualified, experienced and dedicated faculty. Apart from the teaching and academic activities the faculty of the department is actively involved in research work.

VISION

To become a reputed center in computer science and systems engineering for quality, competency and social responsibility.

MISSION

Providing a strong theoretical and practical education in a congenial environment. Providing additional skills and training to meet the current needs of the industry. Inculcating ethical values to meet the challenges of life with courage and confidence.

Chief Patrons
Sri. Koyi Subba Rao
Chairman

Sri Koyi Sekhar
Secretary

Patrons
Dr. P Babu
Principal

Dr. K. Hari Babu
Academic Director

Convener:
Prof. R Ramesh
HOD, Dept. of CSE

Co-Ordinator
Mr. Suresh M
Asst. Professor,
Dept of CSE

Advisory Committee
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Dr. Ch Aruna, Professor
Dr. G Murali, Professor
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Mrs.Ch Jhansi Rani, Asst. Prof
Mr. K S N Narasimha Rao, Asst. Prof
Mrs. A Suneetha, Asst. Prof
Mrs. J Praveena, Asst. Prof

Course Contents

1. Foundation of Distributed & Cloud Computing
2. Getting Started with AWS
3. Amazon EC2
4. Load Balancing and Scaling & Route 53
5. S3 (Simple Storage Service)
6. Security Management in AWS
7. Networking & Monitoring Services
8. Application Services
9. Lambda
10. Data bases & Analytics with AWS
11. Big Data in AWS, Projects / Case studies
12. Assessment Tests.

Faculty Development Program on Cloud Computing using Amazon Web Services (AWS)

Who can attend:

This Course is open to faculty Members and Research Scholars of AICTE Approved Universities/ Engineering Colleges / Polytechnic Institutions

Registration:

The registration is free. Only online Registration for the course.

https://www.aicte-india.org/atal

Important Dates:

Last Date of Registration: November 20th, 2020

Intimation to the registered

Candidates : November 21st , 2020

FDP Starting Date : November 23rd , 2020

Resource Persons

1. Dr. Shyamal Kumar Das M, IIT, Kharagpur
2. Dr. Ferdous Ahmed, ASP, IIIT Guwahati
3. Dr.K.Raghavendra, Scientist, SF, DRDO
4. Mr. Praveen Sripati, Free Lancer
5. Mr. B Siva Kumar, Sr. Arch , Free Lancer
6. Dr. D Veeraiah, HOD, LBRCE
7. Dr.G.Dileep Kumar, Assoc,Prof, KITS,

Note: The course lectures will be delivered through industry experts, premiere institute professors. Hands on sessions will be conducted in Online Mode only.

For further details, please contact:
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   +91- 7989133754
Website: www.kitsguntur.ac.in

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DAY	SESSION-I 10:00 to 11:30		SESSION-II 11:45 to 01:15		SESSION-III 02:15 to 04:15
Day-1 (23-11-2020)	Registrations & Introduction to Cloud (Dr. Shyamal Kumar Das Mandal)	TEA BREAK	Getting started with AWS (Sri. Praveen Sripati)	LUNCH BREAK	Amazon EC2 (Elastic Compute Cloud) Dr.Ferdous Ahmed
Day-2 (24-11-2020)	Load Balancing, Auto Scaling and Route53 (Sri. Praveen Sripati)		S3 (Simple Storage Service) (Sri. Praveen Sripati)		Security & Network Management in AWS (Sri. Praveen Sripati)
Day-3 (25-11-2020)	HCM AI and Machine/Deep Learning. (Dr. Raghavendra Kune)		AI and Machine/Deep Learning. (Dr. Raghavendra Kune)		Monitoring Services & Server less with AWS (Lambda) (Sri. Praveen Sripati)
Day-4 (26-11-2020)	Application Services (SES, SNS and SQS) (Mr, B Siva Kumar)		Databases and Analytics with AWS, Big Data in with AWS (Dr. G Dileep Kumar)		Automation in AWS (Dr. D Veeraiah)
Day-5 (27-11-2020)	Hands on Session (Sri. Praveen Sripati)		Hands on Session (Sri. Praveen Sripati)		Assessment Test, Feedback & Valedictory