ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ನಿರ್ವಾಹಣಾ ಮಹಾವಿದ್ಯಾಲಯ
(ವಿ.ಟಿ.ಯು. ಅಡಿಯಲ್ಲಿನ ಸ್ವಾಯತ್ತ ಸಂಸ್ಥೆ)

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)

Five Day Open Course Program on

AWS Cloud Services and Tools

12th to 16th June-2023

Organized by

ISE Dept.
Transform Here

**Department of
Information Science & Engineering**
BMS Institute of Technology & Management
Yelahanka, Doddaballapura Main Road,
Bengaluru, https://bmsit.ac.in

About Department: The Department of Information Science and Engineering started in the year 2010 with an approved intake of 60 and enhanced to 120 from the academic year 2018-19, 180 from the academic year 2019-20. and 240 from the academic year 2023-24. The departments have modern laboratories to serve the teaching and research needs of the students as well as faculty members. The Departments have been organizing conferences, workshops, expert lectures, and student-centric activities to encourage students and faculty to inculcate lifelong learning. Few of our students are working for consultancy projects along with a few faculty members. The staffs are encouraged to attend the 10 days' internship to bridge the gap between the academics and industry. The departments have an admirable research ambiance. The faculties have published research articles in various National, International, IEEE Conferences, and Journals.

About the Open Course: Amazon Web Services provides a diverse range of global cloud-based products such as compute, storage, databases, analytics, networking, mobile, developer tools, management tools, IoT, Machine Learning, Security and enterprise applications: on-demand, available in seconds and priced on a pay-as-you-go basis. Over 300 AWS services are available, ranging from data warehousing to deployment tools, directories to content delivery. New services can be provisioned quickly and without incurring any upfront capital costs.

Objectives of the Course:

1. Learn the fundamentals of constructing IT infrastructure on the AWS platform.
2. Learn how to create and configure AWS services, as well as how to integrate various AWS services for cloud applications.
3. Make Participants to understand the working of various applications using cloud services.

Hands-on Topics: High priority is given to hands-on over AWS platform, Google Cloud Platform and Linux platform. The planned topics are as follows; Introduction to Cloud Computing and AWS, Working with Elastic Compute and Storage Volumes, Load Balancing, Autoscaling and DNS, Virtual Private Cloud, Simple Storage Services,.

Resource Persons: The resource persons for the program are experts from academia and industry.

Prerequisites: Familiarity with basic of web, programming, and Networking.

Registration Details

Registration Fee: Rs: 400/-

Target Students: BE, 4th and 6th Sem students

Registration: Register at https://projects.bmsit.ac.in

Online fee payment details: Login into: https://bmsitm.gnums.in -> Go to Menu – Fee -> Other fee and Pay
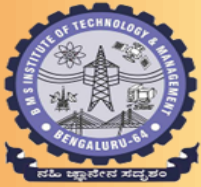
Venue: Lab Block - 203

Convener
Dr. Pushpa S K
Professor & Head,
Department of ISE

Coordinator:
Rr. Prakash GL
Associate Professor
Department of ISE
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Course Schedule: *AWS Cloud Services and Tools*

Sl No.	Date	Topics covered		Topics covered		Topics covered	Assessment and Feedback
		8:30 to 10:30 am	10:30 to 10:50 am	10:50 to 12:50 pm	12:50 to 1:50 pm	1:50 to 4:00	4:00 to 4:30 pm
1	12.06.2023	Registration and Introduction AQMENZ Automation Pvt Ltd	TEA BREAK	Fundamentals of Cloud computing AQMENZ Automation Pvt Ltd	LUNCH BREAK	Deployment models and services AQMENZ Automation Pvt Ltd	Quiz & Feedback
2	13.06.2023	Applications development AQMENZ Automation Pvt Ltd		Applications development AQMENZ Automation Pvt Ltd		Project demonstration AQMENZ Automation Pvt Ltd	Quiz & Feedback
3	14.06.2023	AWS Account Creation Dr. Prakash GL		EC2 Fundamentals Dr. Prakash GL		AWS services Dr. Prakash GL	Quiz & Feedback
4	15.06.2023	Create, Configure and Host a Static Website Using Amazon S3 Mr. Rakshith		Create, Configure and Host a Static Website Using Amazon S3 Mr. Rakshith		Set Up a WordPress Site Using EC2 and RDS Mr. Rakshith	Quiz & Feedback
5	16.06.2023	Networking Services Dr. Prakash GL		Database Services Dr. Prakash GL		Valedictory Function	Quiz & Feedback

Instructions to the Participants:

1. Prerequisite: Students should have basic knowledge in Operating Systems and Networking.

2. For Hands-on sessions the student needs to carry the following to the lab:

   a. Laptop with the following configuration (i3, 16 Mb Ram, SSD 128 GB), gmail ID and credit card

   b. Software installation in the laptop: Window 11/