



AWS Extends Cloud Computing Curriculum to Students across 21 Higher Education Institutions in India

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Institutions across nine states will deliver cloud curriculum developed with AWS through more than 100 trained faculty members

NEW DELHI, INDIA – September 08, 2021 – After successfully integrating cloud computing curriculum in programs of study at seven education institutions in 2020, Amazon Web Services (AWS) will add another 21 higher education institutions* across India offering cloud computing curriculum as part of their undergraduate and post-graduate programs starting in the 2021-22 academic year. The cloud computing curriculum will be included in engineering programs for computer science and information technology, degree programs such as Bachelor of Science, Bachelor of Computer Applications, and post-graduate degree programs in technology and management offered by these institutions in the states of Andhra Pradesh, Gujarat, Himachal Pradesh, Karnataka, Maharashtra, Orissa, Punjab, Rajasthan, and Tamil Nadu.

Students in these institutions will learn about cloud architecture, data analytics, cybersecurity, artificial intelligence (AI) and machine learning (ML). In addition to AWS training and learning resources, students will have access to the AWS Management Console, a simple web interface that that provides them real-world, hands-on experience in using and experimenting with AWS cloud services and building applications. To ensure that students have access to trained educators, more than 100 faculty members at the institutions have been trained to deliver the cloud computing curriculum to students.

This new approach by education institutions aligns with India's National Education Policy 2020 (NEP 2020) recommendations and highlights the importance of advancing technical education at the undergraduate and post-graduate levels, enhancing institutional capabilities in technology and providing students enhanced experiential learning opportunities.

"We know that technology is redefining India's workforce and the skills needed to remain competitive. AWS is committed to building the future technology workforce in India by introducing students to cloud computing skills early in their learning path. With AWS training and learning resources, students benefit from the practical skills they gain to immediately add value in high value technology roles, and accelerate their careers," said Sunil PP, Lead – Education, Space and Non-Profits, AISPL, AWS India and South Asia said. He added, "We are delighted to see more higher education institutions take the initiative to integrate cloud computing curriculum in their education programs to develop the next-generation of cloud computing professionals."

The report '[Unlocking APAC's Digital Potential: Changing Digital Skill Needs and Policy Approaches](#)' prepared by AlphaBeta and commissioned by AWS found that India will need nine times as many digital skilled workers by 2025. The study found that 76% of India's digital workers – defined as individuals who have the ability to apply digital technologies on work-related tasks – are not applying cloud computing skills today, but believe it will be a requirement to perform their jobs by 2025. Cloud architecture design, software operations support, website and game software development, large-scale data modelling, and cybersecurity skills are cited as the top five in-demand digital skills in India.

About Amazon Web Services

For over 15 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud offering. AWS has been continually expanding its services to support virtually any cloud workload, and it now has more than 200 fully featured services for compute, storage, databases, networking, analytics, machine learning and artificial intelligence (AI), Internet of Things (IoT), mobile, security, hybrid, virtual and augmented reality (VR and AR), media, and application development, deployment, and management from 81 Availability Zones within 25 geographic regions, with announced plans for 21 more Availability Zones and seven more AWS Regions in Australia, India, Indonesia, Israel, Spain, Switzerland, and the United Arab Emirates. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—trust AWS to power their infrastructure, become more agile, and lower costs. To learn more about AWS, visit aws.amazon.com.

About Amazon Internet Services Private Limited

Amazon Internet Services Private Limited ("AISPL") undertakes the resale and marketing of AWS cloud services in India.

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*APPENDIX: LIST OF PROGRAMS OFFERED BY EDUCATION INSTITUTIONS

No.	College Name	State	Program of study
1	K.S.Rangasamy College of Technology	Tamil Nadu	Bachelor of Engineering in Computer Science and Engineering
2	Mahendra Engineering College	Tamil Nadu	Bachelor of Engineering in Computer Science and Engineering

3	Vels Institute of Science, Technology and Advanced Studies	Tamil Nadu	Bachelor of Computer Applications(Hons)
			Master of Computer Applications
4	JECRC University	Rajasthan	B. Tech. in Computer Science and Engineering
			Bachelor of Computer Applications
			Master of Computer Applications-Cloud Computing
5	Sona College of Technology	Tamil Nadu	Bachelor of Technology - CS Bachelor of Technology - IT
6	Muthayammal Engineering College	Tamil Nadu	Bachelor of Engineering in Computer Science and Engineering
7	KLE Society's College of BCA RLSI (Autonomous)	Karnataka	Bachelor of Computer Application (BCA)
8	Centurion University of Technology and Management	Orissa	Bachelor of Computer Science and Engineering
9	Vasireddy Venkatadri Institute of Technology	Andhra Pradesh	B. Tech. in Computer Science and Engineering
10	Symbiosis Institute of Digital & Telecom Management (SIDTM)	Maharashtra	Masters of Business Administration(Digital and Telecom Management)
11	K J Somaiya College of Engineering, Somaiya Vidyavihar University	Maharashtra	B. Tech. in Information Technology
12	MIT ADT University	Maharashtra	B. Tech. in Computer Science Engineering
13	Karnavati University	Gujarat	B.Sc. (Hons.) Computer Science with specialization in Cloud Computing and Virtualization
14	Shoolini University	Himachal Pradesh	B. Tech. in Cloud Computing
15	Manipal Academy of Higher Education	Karnataka	Master of Engineering (Cloud Computing)
16	Manipal Jaipur University	Rajasthan	Bachelor of Technology in Computer and Communication Engineering
			B. Tech. in Computer Science and Engineering
			B. Tech. in Information Technology
17	Jain University	Karnataka	Bachelor of Technology in CSE - Cloud Technology and Information Security(CTIS) Bachelor of Technology in CSE - Cloud Technology and Mobile application(CTMA)

18	Christ University	Karnataka	B.Sc. Data Science, MSc. Data Science
19	Avinashilingam Institute for Home Science and Higher Education for Women	Tamil Nadu	Bachelor of Engineering in Artificial Intelligence and Data Science
20	Lovely Professional University	Punjab	B. Tech. in Computer Science and Engineering with specialization in Cloud Computing
21	Sri Sri University	Odisha	B.Sc. (Data Science); M. Tech. (Cyber Security); B. Tech. (CSE- Cyber Security and Cyber Defence)