



Hearty Welcome to all



R.M.D. ENGINEERING COLLEGE



CLOUD COMPUTING

CENTRE OF EXCELLENCE





Cloud Computing CoE Objectives



1 Train the students on Cloud Computing technologies in collaboration with industry

2 To create an enabling environment for the students to acquire knowledge in the field of Cloud Computing

3 To motivate the students to do projects in Cloud Computing

4 To prepare the students for a successful career in Cloud Computing technology as expected by the Industry



Success Steps of CoE





Knowledge Partner - **Atos**



MoU Signed

R.M.K. Group of Institutions signed the Memorandum of Understanding with the Atos Global IT Solutions as Knowledge partner for CSE Batch Adoption on 18-05-2023



Exchange of MoU with Atos on 18.05.2023



Lab Established

In RMDEC we have established a Cloud Computing laboratory which was inaugurated by Mr. Nasir Usman Shaikh Senior Vice-President, Atos Global IT Solutions , Mr. Senthilnathan Senior Vice-President, Atos Global IT Solutions Mr.Kesava Das Vice-President, Atos Global IT Solutions and other team of Experts from Atos Global IT Solutions on the same day of MoU signed.



Inauguration of Cloud Computing CoE Lab with Atos on 18.05.2023



Our college is recognized and included in **AWS academy Institution Member list** .

Benefits:

Our students can do International Certification with 50% discount and can access unlimited resources in AWS Cloud

Training and Certification		
Get Trained	Get Certified	Develop Your Team
PSGR Krishnammal College for Women	Coimbatore	Tamil Nadu
PSNA College of Engineering and Technology	Dindigul	Tamil Nadu
QIS College of Engineering and Technology	Ongole	Andhra Pradesh
R K College of Engineering	Vijayawada	Andhra Pradesh
R.D. Engineering College	Ghaziabad	Uttar Pradesh
R.M.D. Engineering College	Chennai	Tamil Nadu
R.M.K. ENGINEERING COLLEGE	CHENNAI	Tamil Nadu
R.V.R. & J.C. College of Engineering	GUNTUR	Andhra Pradesh



Training Rollout Plan



BATCHES	SECOND YEAR		THIRD YEAR		FINAL YEAR	
	III SEM	IV SEM	V SEM	VI SEM	VII SEM	VIII SEM
CC CoE 2022-26 Batch	Selection Process	Training	Training/ Certification	Training/ Projects/ Certification	Placement/ Internship	Placement/ Internship
2021-202 5 Batch	Google Cloud Computing Foundations					
2020-202 4 Batch	Associate Cloud Engineer- Carrier Readiness Program					





Cloud Credentials



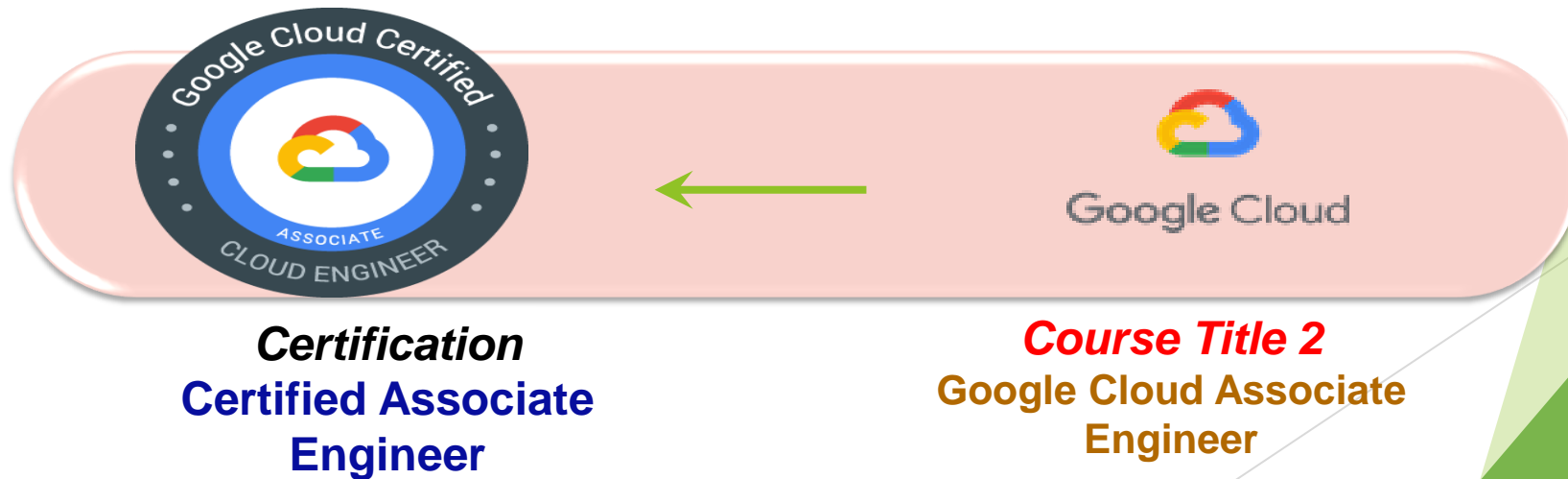
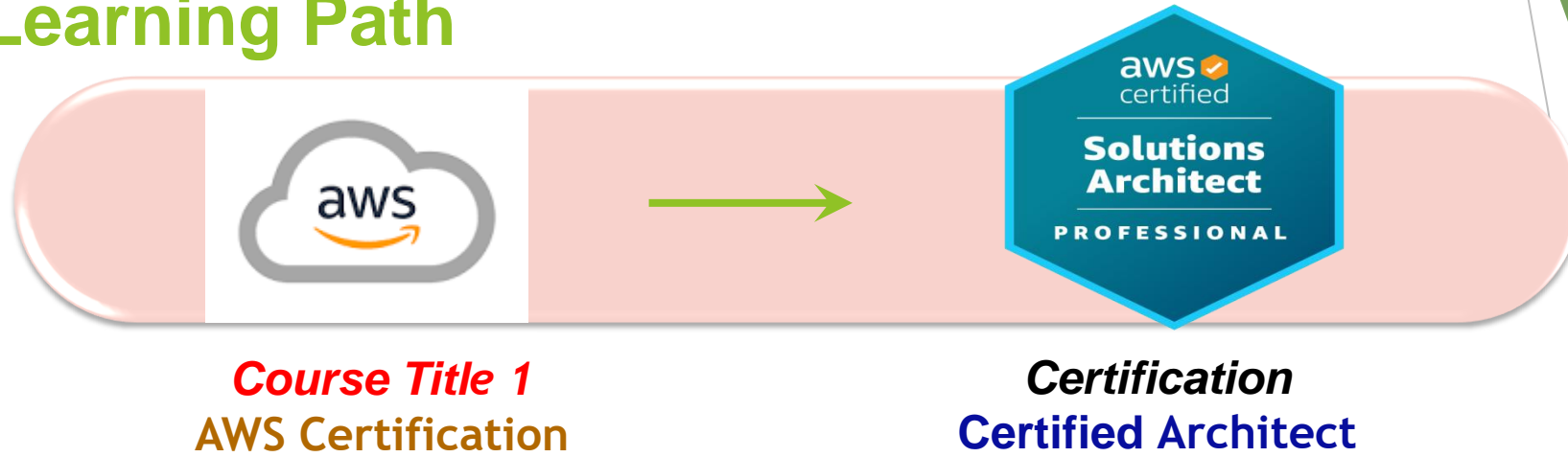
Administrators	Architects	App Builders	Implementation Experts	Marketers	Pardot Experts	Platform Developers
<ul style="list-style-type: none"> • Administrator • Advanced Administrator 	<ul style="list-style-type: none"> • Technical Architect • Integration Architect • Data Architecture and Management Designer • Deployment Lifecycle and deployment designer • Identity and Access Management Designer • Mobile Solutions Architecture Designer • Sharing and Visibility Designer 	<ul style="list-style-type: none"> • App Builder 	<ul style="list-style-type: none"> • Community Cloud Consultant • Sales Cloud Consultant • Marketing Cloud Consultant • Service Cloud Consultant • Pardot Consultant 	<ul style="list-style-type: none"> • Marketing Cloud Consultant • Marketing Cloud Email Specialist • Marketing Cloud Social Specialist 	<ul style="list-style-type: none"> • Pardot Consultant • Pardot Specialist 	<ul style="list-style-type: none"> • Platform Developer I • Platform Developer II



Certification Courses Planned



Learning Path





R2022 Credit Splitup



Subject Area	Total Credits
Humanities and Social Science [HS]	13
Basic Sciences [BS]	22
Engineering Sciences [ES]	28
Professional Core [PC]	53
Professional Electives [PE]	18
Open Elective [OE]	12
Employability Enhancement Courses [EEC]	17
Total	163

12 Subjects - 46 credits

6 Subjects - 18 credits

64 Credits
~40%



Subjects Mapped with Cloud Computing Domain



Semester	Core Subjects	Credits	Semester	Elective Subjects	Credits
1	Software Development Practices	4	4	AWS Cloud Foundations	3
2	Java Programming	4	5	Google Cloud Computing Foundations	3
2	Data Structures	4	5	Cloud Architecting	3
2	Database Management Systems	4	6	DevOps	3
3	Advanced Java Programming	4	6	Machine Learning and Data Analytics in Cloud	3
3	Operating Systems	3	7	Cloud Security Foundations	3
4	Artificial Intelligence	4			
4	Distributed and Cloud Computing	3		TOTAL CREDITS: 64	
4	Web Development Frameworks	4			
5	Computer Networks	4			
5	Machine Learning	4			
6	Object Oriented Software Engineering	4			



Leaders in Cloud



Google Cloud



Microsoft
Azure



AWS Certifications & AWS Academy Courses



Level	Certification Name	Course in AWS Academy	Subject Mapped
Foundational	Cloud Practitioner	AWS Academy Cloud Foundations	AWS Cloud Foundations
Associate	Solutions Architect	AWS Academy Cloud Architecting	Cloud Architecting
Associate	Developer	AWS Academy Cloud Developing	DevOps
Associate	SysOps Administrator	AWS Academy Cloud Operations	DevOps
Professional	Solutions Architect	-	-
Professional	DevOps Engineer	-	-
Speciality	Advanced Networking	-	-
Speciality	Data Analytics	AWS Academy Data Analytics	-
Speciality	Database	-	-

Students will be able to complete the **Solutions Architect Certification** during the 6th semester



Google Certifications

Foundational



Cloud Digital Leader

Google Cloud
Computing
Foundations [5th]

Associate



Cloud Engineer

Architecting with
Google Compute
Engine
[Value Added Course]

Professional



Cloud Architect



Cloud Developer



Cloud DevOps Engineer



Data Engineer



Cloud Security Engineer



Cloud Network Engineer



Collaboration Engineer



Machine Learning
Engineer



Google Certifications

Foundational



Cloud Digital Leader

Google Cloud
Computing
Foundations [5th]

Associate



Cloud Engineer

Architecting with
Google Compute
Engine
[Value Added Course]

Professional



Cloud Architect



Cloud Developer



Cloud DevOps Engineer

Students will be able to complete the **Associate Cloud Engineer Certification** [optional] after completing the value added course



Industry Associated



virtusa[®]
Accelerating Business Outcomes



Inauguration of Cloud Computing CoE Lab & Exchange of MoU with Virtusa on 13.03.2018



Industry Collaborations



Certificate distribution for the winners of Virtusa CoE week celebration and offer letter distribution for Virtusa placed students on 13.03.2018





Industry Collaborations



Launch of Cognizant – Salesforce Industry Academia Skilling Program on 02.04.2019





Competitions/ Hackathons

Conducted a 14 hours Coding cum Hackathon - CODELITE aimed at selecting students for Summer Internship Program as part of "Virtusa Student Ambassador program" on 16.03.2019 at RMKEC





Placement Details



Batch	Students Enrolled	Students Placed
2014 -18	12	09
2015 -19	19	19
2016 - 20	19	19
2017 - 21	23+1	23



Placement Details



Batch	Students Enrolled	Students Placed
2018 -22	20+5	20
2019 -23	35+3	32



Activities of Cloud Computing CoE



Sl.No	Date	Programme	Participants	Speaker
1.	07-12-2021 to 11-12-2021	AWS Solutions Architect Certification	2018-2022 Batch CC CoE Students	Ms.S.Madhumita, Engineer, Virtusa Consulting Services Pvt. Ltd Mr.S.Subramani, Data Engineer, Presidio Cloud, Mr.Yashwanth, Associate Engineer, Ernst & Young GDS LLP.
2.	November 2021	CoE Roadshow for RMK Group Students	2021-2025 Batch	CoE Coordinators
3.	24-12-2022	Virtusa-Leadership Connect Programme	2019-2023 Batch CC CoE Students And 2018-2022 Virtusa Recruits	Mr.S. Krithivasan, University Hiring – Virtusa Consulting Services Private Limited
4.	08-01-2022	A Walkthrough in Amazon Web services (AWS)	2019-2023 Batch CC CoE Students	Mr. J. Dinesh, Cloud Engineer, Presidio Technology Solutions
5.	21-01-2022 & 22-01-2022	A 2 Days Preparatory Session on “AWS Solutions Architect Associate”	2018-2022 Virtusa Recruits	Ms. Harisha , Engineer, Virtusa Consulting Services Private Limited



Activities of Cloud Computing CoE



Sl.No	Date	Programme	Participants	Speaker
6.	24-02-2022	Digital Nurture 2.0 Student Connect for GenC Role on Cloud AWS	2019-2023 Batch CC CoE Students	Cognizant
7.	04-03-2022	Google Cloud Computing Foundations - Overview	HoD/CSE, CC CoE Coordinators	Ms.IshaPorwal, Google Cloud
8.	13-06-2022	Cognizant Technical Talk - Cloud Computing (AWS)	CC CoE Students	Mr. Vasanth, Cognizant
9.	2022-23 Odd Semester (from 21-08-2022)	Google Cloud Computing Foundation Courses	2020-2024 Batch CC CoE Students	Google Cloud
10	21-10-2022	Guest Lecture on Future of Cloud Computing	2020-2024 Batch CC CoE Students	Mr. Shammy Narayanan, Senior Director, Thryve Digital Health LLP, Chennai
11.	18-10-2022 to 29- 10-2022	AWS SAA Certification Training	2019-2023 Batch Virtusa Placed Students	Virtusa
12.	2022-23 Even Semester	Google Cloud Career Readiness Program	2020-2024 Batch Students	Google Cloud
13.	03-05-2023 to 05-05-2023	Training for AWS Certification	2019-2023 Batch Atos Placed Students	Ms.Monika Srinivasan Associate Engineer- Cloud Transformation Technology,Virtusa



Why Cloud Computing?

- Industry ready potential billable resource from 7th semester
- Value-added global certification in the Cloud domain
 - AWS Solutions Architect – Associate
 - Google: Associate Cloud Engineer [Optional]
- Internship in companies from 7th sem onwards as per R2022