

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, RAMAPURAM CAMPUS, CHENNAI- 89

FACULTY OF ENGINEERING AND TECHNOLOGY DEPARTMENT OF BIOMEDICAL ENGINEERING

VALUE ADDED COURSE



OVERVIEW

The medical devices and healthcare industry is witnessing transformation due to converging technologies, evolving regulatory compliances, and changing market demands. Medical devices are becoming more connected than ever and are shaping new solutions to offer value for healthcare such as improved quality of life for patients with chronic illness, reduced cost of treatment, and more. The changing technology makes it imperative for medical devices companies to adopt a strategic approach by leveraging technology advancements in multiple areas such as IoT, cloud, AI, and analytics to drive innovation that addresses market needs and challenges.

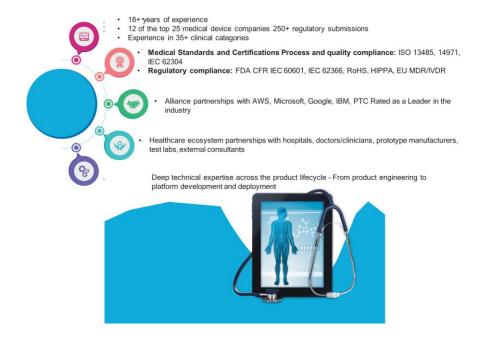
Capgemini's medical device engineering practice brings solutions and services that help our clients in designing customized devices with end-to-end product development and collaborate through the complete medical device valuechain. We also help clients retain their competitive edge by leveraging new technologies to optimize R&D costs and productivity, reduce time-to-market, improve supply chain efficiencies, strengthen partner ecosystem, and proactively seek new opportunities.

RAMAPURAM SRM SHATISTICAL HUMBOOD

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COURSES DETAILS

Department of biomedical engineering by collaborating with Cappemini offers the value-added course for the third year Biomedical Engineering students of SRMIST, Ramapuram campus for the current even Semester academic year (2023-24 Odd Semester). This offer is given for the students who have opted for Superset placement students.

The details are attached below:

The course details are as follows:

Course Code: 18BMV0602T

Course Name: Verification and Validation of Medical Devices

Total No of students opted: 25Nos.

COURSE DESCRIPTION

This online & Self-Paced Training Course is focused on Medical Device Software Verification and Validation, according to the requirements of IEC 62304, IEC 82304-1 and EU MDR 2017/745. The aim of the course is to enable manufacturers to know what process validation evidence is necessary to demonstrate the manufacturing process is validated. This training

RAMAPURAM SRM ORIENTA HUDORICA

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course has been designed to give manufacturers an awareness of EU regulatory and quality requirements regarding manufacturing process validation and the nature of 'special processes.

What will I learn?

Upon completion of this training, you will be able to:

- Appreciate concepts and rationale of manufacturing process validation
- Recognize the importance of manufacturing process validation
- Gain awareness of relevant ISO 13485:2016 expectations and IMDRF guidance (previously GHTF)
- Recognize situations where a manufacturing process requires validation
- Have the tools to create a Master Validation Plan and validation protocols
- Define objectives of equipment and process validations
- Recognize relevant and pertinent factors of manufacturing process validation studies
- Plan for worst case conditions and challenges
- Identify how process capability studies can be used to validate manufacturing processes
- Complete installation, operational and performance qualification
- Maintain a state of validation
- Recognize when revalidation may be required

What are the benefits?

This course will help you to:

- Understand manufacturing process validation
- Improve your understanding of the Medical Device Regulation (MDR) and quality standards requirements relating to manufacturing process validation
- Be able to apply your knowledge to your organization, to enable it to produce compliant devices
- Ensure auditable technical documentation meets applicable EU regulatory requirements



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LIST OF STUDENTS ENROLLED FOR THIS COURSE

SRM Institute of Science & Technology

Faculty of Engineering & Technology
Department of Biomedical Engineering
ACADEMIC YEAR (2023-2024)
IV Year BME (2020-2024)BATCH
PLACEMENT STUDENTS(SUPERSET CATEGORY)
ENROLLED FOR CAPGEMINI COURSE

(BMV0602T-Verification and Validation of Medical Devices)

S.No	Register No	Name of the student				
1	RA2011013020001	NITHIESH RAJAN N B				
2	RA2011013020004	ARTHI T				
3	RA2011013020007	RAKESH KUMAR K S				
4	RA2011013020008	KEERTHANA R				
5	RA2011013020010	LOKESH KUMAR R				
6	RA2011013020013	NEESANTHI M				
7	RA2011013020014	IMMACULATE SUSAN A				
8	RA2011013020015	JASON ANTHONY J				
9	RA2011013020017	SABRINA SAURIYATH A				
10	RA2011013020019	MOHAMED SABIR HUSSAIN S				
11	RA2011013020020	ARSHWATHA NIVETHA R				
12	RA2011013020022	ROSHINI M				
13	RA2011013020023	SHONELLE ANDREA MORAIS				
14	RA2011013020026	CHANDRU R P				
15	RA2011013020027	PRIYAMVADA J MENON				
16	RA2011013020028	RITHIKA TAMIL				
17	RA2011013020029	PAVITHRA K				
18	RA2011013020030	YUTHIKA K				
19	RA2011013020033	VARUNRAMANAN R				
20	RA2011013020034	GIRIDHARAN K				
21	RA2011013020036	V SRIHAARUNI M VARADARAJAN				
22	RA2011013020038	AARTHY V				
23	RA2011013020042	NANDHU SURESH				
24	RA2011013020047	ISHFA BALKEES FATHIMA M				
25	RA2011013020052	ABARNISHA S				

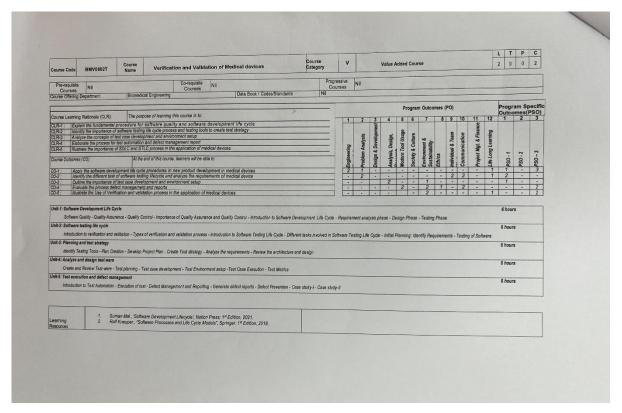


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COURSE SYLLABUS



Bloom's Level of Thinking	Forn CLA-1 Theory	ative (30%)	Fo	mative		native		amination
Thinking			Continuous Learning Assessment (CLA) Formative CLA-2 (30%)		Summative (40)%		(0% weightage)	
				Theory Practice		Practice	Theory	Practice
	20%	-	20%			20%		
rel 1 Remember	20%	-	20%			20%	-	-
rel 2 Understand	30%	-	30%			30%		
rel 3 Apply rel 4 Analyze	30%		30%	-		30%		
rel 4 Analyze rel 5 Evaluate		-						
rel 6 Create		-						
Total	100	0 %	1	00%	No. of the last	100%	The same of the same	
Dr. Richa Dayal, Capgemini	MrT	Mr T.Anbuselvan.GE Healthcare					2. Dr. Ashok Kumar D	