

Chowgule Education Society's



Parvatibai Chowgule College of Arts and Science (Autonomous)

Accredited by NAAC with Grade 'A+'

Best Affiliated College-Goa University Silver Jubilee Year Award



PROSPECTUS

BACHELOR OF VOCATION (B. Voc.)

2024-25

Bachelor of Vocation in Software Development

(BVoc in SD)

(Self-Financed)

Programme Code: CSD

Duration: Three Years (Six Semesters)

Aim of the Programme:

BVoc in Software Development is a unique program with the aim to produce individuals equipped with all the skills that are required for employability in various domains of the IT industry. The program offers a blend of skills education, professional education and general education required for all round development of the individual in the field of software Development. It is a three years Degree program with exit options at the first year with Diploma certificate, second year with advanced Diploma certificate and BVoc degree at the completion of three years.

Total Number of Seats (including reserved seats): 30

Eligibility and Selection Procedure: First Come Basis

Credits required for completing the B.Voc in Software Development programme: 180

Sr. No.	Nature of Courses	Credits Required
1	Skill Development Courses (18 credits per semester)	108
2	General Courses (12 credits per semester)	72
	Total Credits Required	180

Course Structure of B.Voc in Software Development - Component A

NSQF level/ Semester	Course Code	Course Title	Component	Course Credit
Skill Development Qualification Pack - Junior Software Developer(SSC/Q0508)				
Level 4 / Semester 1	General Education Component			
	SD – G8	Environmental Studies	Theory	4
	SD – G9	Business Communication	Theory	4
	SD – G10	Accounting for non accountant	Theory	4
	Skill Component			
	CSD-SK3	Introduction to programming	Theory & Practicals	6
	CSD-SK7	Database Management System	Theory & Practicals	6
	CSD-SK5	Content Management System	Theory & Practicals	6
	Total Credits for semester			30
Skill Development Qualification Pack - Web Developer (SSC/Q0503)				
Level 5 / Semester II	General Education Component			
	SD – G6	Content Writing	Theory	4
	SD – G1	Language Paper - I	Theory	4
	SD – G11	Entrepreneurship	Theory	4
	Skill Component			
	CSD-SK1	Computer organisation and operating System	Theory & Practicals	6
	CSD-SK2	Web Designing	Theory & Practicals	6
	CSD-SK6	Multimedia	Theory & Practicals	6
	Total Credits for semester			30
Skill Development Qualification Pack - Application Developer - Web & Mobile (SSC/Q8403)				
Level 6 / Semester III	General Education Component			
	SD-G20	Reasoning technique	Theory	4
	SD-G21	Mathematical foundation of Computer Science	Theory	2
	SD-G13	Personality Development	Theory	4
		Internship	OJT	2

	Skill Component				
	CSD-SK7	Object oriented programming	Theory & Practicals	6	
	CSD-SK9	Server Side programming	Theory & Practicals	6	
	CSD-SK8	Computer networks	Theory & Practicals	6	
	Total Credits for semester			30	
Skill Development Qualification Pack - Application Developer - Web & Mobile (SSC/Q8403)					
	General Education Component				
Level 6 / Semester IV	SD-G17	E-Commerce	Theory	4	
	SD-G22	Creative Thinking	Theory	2	
	SD-G23	Advance Quantitative Technique	Theory	4	
		Internship	OJT	2	
	Skill Component				
	CSD-SK10	Web Development Framework	Theory & Practicals	6	
	CSD-SK11	Software Engineering	Theory & Practicals	6	
	CSD-SK12	Mobile Application Development	Theory & Practicals	6	
		Total Credits for semester			30
Skill Development Qualification Pack - Application Architect - Web & Mobile (SSC/Q8402)					
	General Education Component				
Level 7 / Semester V	SD-G14	Digital Marketing	Theory	4	
	SD-G15	Organisational Behaviour	Theory	4	
	SD-G16	Maths for Competitive Exams	Theory	4	
	Skill Component				
	CSD-SK14	Software Testing	Theory & Practicals	6	
	CSD-SK13	Data Structures	Theory & Practicals	6	
	CSD-SK17	Project		6	
		Total Credits for semester			30

Skill Development Qualification Pack - Application Architect - Web & Mobile (SSC/Q8402)				
Level 7 / Semester VI	General Education Component			
	SD-G19	Human Computer Interface	Theory	4
	SD-G18	Independent Studies	Theory	4
	SD-G24	Security in Web and Mobile Application	Theory	4
	Skill Component			
	CSD-SK15	Network Security	Theory & Practicals	6
	CSD-SK16	Cloud Computing	Theory & Practicals	6
	CSD-SK17	Project		6
	Total Credits for semester			30

*Course Structure **Subject to Change** upon approval

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