

**Courses Offered by B. Voc. (Software Development) Department at
First year of Graduation NEP 2023**

Major Courses			
Semester	Course code	Title of the paper	Credits
I	SDMAT-111	HTML5 Programming	2
	SDMAT-112	Database Integration and Management	2
	SDMAP-113	HTML5 Programming Lab: Building Web Applications	2
II	SDMAT-121	CSS Programming	2
	SDMAT-122	Object Oriented Software Engineering	2
	SDMAP-123	CSS Programming Lab	2
Minor Courses			
I	SDMIT-121	Introduction to Pencil2D Animation	2
Vocational Skill Course (VSC)			
I	SDVST-111	PHP Programming	2
II	SDVSP-121	PHP Project: Creating Dynamic Web Applications	2
Indian Knowledge System (IKS)			
I	SDIKT-111	Indian Number Systems and Computation	2
Skill Enhancement Course (SEC)			
I	SDSEP-111	Effective Visual Presentations: Enhancing Engagement and Impact	2
II	SDSEP-121	Mastering Visual Presentations with LibreOffice Impress	2
Value Education Course (VEC)			
I	VEAET-111	Environmental Awareness	2
II	VEAET-121	Democracy and Indian Constitution	2
Ability Enhancement Course (AEC)			
I	HIAET-111	Hindi-I	2
	MAAET-111	Marathi-I	2
II	HIAET-121	Hindi-II	2
	MAAET-121	Marathi-II	2
Curricular Courses (CC)			
I	CCHWT-111	Health & Wellness	2
II	CCPEP-121	Physical Education and Sports	2
Generic Elective / Open Elective (GE/OE)			
I		GE/OE	2
II		GE/OE	2

Courses for S. Y. B. Voc (Software Development) [2023 Pattern]

Semester	Paper Code	Title	Credits
Major			
III	SDMAT-231	Dot Net Framework and ASP.Net	2
	SDMAT-232	JavaScript	2
	SDMAT-233	Artificial Intelligence	2
	SDMAP-234	JavaScript Lab	2
IV	SDMAT-241	MVC Framework	2
	SDMAT-242	Python Programming	2
	SDMAT-243	Web Security	2
	SDMAP-244	Python Programming Lab	2
Minor			
III	SDMIT-231	Introduction to DragonBones Animation	2
	SDMIP-232	Lab on DragonBones Animation	2
IV	SDMIT-241	Introduction to 3D Modeling and Animation with Blender	2
	SDMIP-242	Lab on Blender 3D Animation	2
Vocational Skill Course (VSC)			
III	SDVST-231	Authentication and Authorization Mechanisms	2
Skill Enhancement Course (SEC)			
IV	SDSEP-241	Dynamic Presentations with HTML: Mastering Reveal.js	2
Field Project (FP)			
III	SDFPP-231	Field Project-I	2
IV	SDCEP-241	Community Engagement Program	2
GE/OE Course for SEM-III			
Select from college Basket			2
GE/OE Course for SEM-IV			
Select from college Basket			2
Ability Enhancement Courses			
III	ENAET-231	English Communication and Soft Skill-I	2
IV	ENAET-241	English Communication and Soft Skill-II	2
Co-Curricular Courses			
III	CCHRT-231	Human Rights: An Introduction	2
IV	CCCST-241	Cyber Security	2

Courses Offered by B. Voc (Software Development) Department at Third Year of Graduation NEP 2023

Sem.	Course code	Title of the paper	Credits
Semester-V			
V	Major Course		
	SDMAT-351	Introduction to Object Oriented Concepts using Core Java	2
	SDMAT-352	Go programming	2
	SDMAT-353	Web Analytics and SEO	2
	SDMAP-354	Lab course on Core Java	2
	SDMAP-355	Lab course on Go	2
	Major Elective Courses		
	SDMET-351A	Node.js Development	2
	SDMET-351B	Kotlin	2
	SDMEP-352A	Node.js Lab	2
	SDMEP-352B	Kotlin Lab	2
	Minor Course		
	SDMIT-351	Introduction to Video Editing with OpenShot	2
	SDMIP-352	Lab on Introduction to Video Editing with OpenShot	2
	Vocational Skill Course		
	SDVSP-351	Hosting and Deployment of Websites	2
	Field Project		
	SDFPP-351	Field Project	2
Semester – VI			
VI	Major Course		
	SDMAT-361	Mobile Web Development	2
	SDMAT-362	Programming in Advance JAVA	2
	SDMAT-363	Web Application Testing and Debugging	2
	SDMAP-364	Lab on Mobile Web Development	2
	SDMAP-365	Lab on Advance Java	2
	Major Elective Courses		
	SDMET-361A	Angular Development	2
	SDMET-361B	Dart	2
	SDMEP-362A	Angular Development Practical	2
	SDMEP-362B	Dart Practical	2
	Minor Course		
	SDMIT-361	Introduction to Video Editing with Shotcut	2
	SDMIP-362	Lab on Introduction to Video Editing with Shotcut	2
	On Job Training		
	SDOJP-361	OJT	4