



MCKV INSTITUTE OF ENGINEERING

NAAC Accredited "A" Grade Autonomous Institute under UGC Act 1956
Approved by AICTE & affiliated to Maulana Abul Kalam Azad University of Technology, West Bengal

243 G.T. Road (N), Liluah, Howrah- 711204, West Bengal, India

Ph: +91 33 26549315/17 Fax +91 33 26549318 Web: www.mckvie.edu.in/

Curriculum for Undergraduate Degree (B. Voc.) in Software Development (w.e.f. AY: 2022-23)

Part II: Course Structure & Semester wise Credit Distribution

Semester I							
Sl No.	Category	Course Code	Course Name	Contact Hours			Credits
				L	T	P	
Theory							
1	HM	BSD101	Effective English Skills	3	0	0	3
2	VOC	BSD102	Computer Fundamentals and C Programming	3	0	0	3
3	VOC	BSD103	Web Designing	3	0	0	3
4	VOC	BSD104	Operating System	3	0	0	3
<i>Total Theory</i>				12	0	0	12
Practical/ Training							
1	VOC	BSD192	C Programming and Office Tools Lab	0	0	3	1.5
2	VOC	BSD193	Web Designing Lab	0	0	3	1.5
3	VOC	BSD181	On Job Training (OJT)/ Qualification Pack				15
<i>Total Practical/ Training</i>							18
Total Credit of Semester I				0	0	6	30

Semester II							
Sl No.	Category	Course Code	Course Name	Contact Hours			Credits
				L	T	P	
Theory							
1	HM	BSD201	Introduction to Accounting	3	0	0	3
2	VOC	BSD202	Data and File Structure	3	0	0	3
3	VOC	BSD203	Software Engineering	3	0	0	3
4	VOC	BSD204	Data Visualization	3	0	0	3
<i>Total Theory</i>				12	0	0	12
Practical/ Training							
1	HM	BSD291	Accounting lab	0	0	3	1.5
2	VOC	BSD292	Data and File Structure Lab	0	0	3	1.5
3	VOC	BSD281	On Job Training (OJT)/ Qualification Pack				15
<i>Total Practical/ Training</i>							18
Total Credit of Semester II				0	0	6	30



MCKV INSTITUTE OF ENGINEERING

NAAC Accredited "A" Grade Autonomous Institute under UGC Act 1956
Approved by AICTE & affiliated to Maulana Abul Kalam Azad University of Technology, West Bengal

243 G.T. Road (N), Liluah, Howrah- 711204, West Bengal, India

Ph: +91 33 26549315/17 Fax +91 33 26549318 Web: www.mckvie.edu.in/

Semester III							
Sl No.	Category	Course Code	Course Name	Contact Hours			Credits
				L	T	P	
Theory							
1	VOC	BSD301	Object Oriented Technology with Java	3	0	0	3
2	VOC	BSD302	Management Information System	3	0	0	3
3	VOC	BSD303	Linux Operating System – Operations and Management	3	0	0	3
4	VOC	BSD304	Cyber Security	3	0	0	3
<i>Total Theory</i>				12	0	0	12
Practical/ Training							
1	VOC	BSD391	Java Programming Lab	0	0	3	1.5
2	VOC	BSD395	PC Assembling and Maintenance Lab	0	0	3	1.5
3	VOC	BSD381	On Job Training (OJT)/ Qualification Pack				15
<i>Total Practical/ Training</i>							18
Total Credit of Semester III				0	0	6	30

Semester IV							
Sl No.	Category	Course Code	Course Name	Contact Hours			Credits
				L	T	P	
Theory							
1	VOC	BSD401	Data Base Management System	3	0	0	3
2	VOC	BSD402	Introduction to Android	3	0	0	3
3	VOC	BSD403	Internet Technology	3	0	0	3
4	VOC	BSD404	ERP in Business and Corporate	3	0	0	3
<i>Total Theory</i>				12	0	0	12
Practical/ Training							
1	VOC	BSD491	Data Base Management System Lab	0	0	3	1.5
2	VOC	BSD492	Android Application Development Lab	0	0	3	1.5
3	VOC	BSD481	On Job Training (OJT)/ Qualification Pack				15
<i>Total Practical/ Training</i>							18
Total Credit of Semester IV				0	0	6	30



MCKV INSTITUTE OF ENGINEERING

NAAC Accredited "A" Grade Autonomous Institute under UGC Act 1956
Approved by AICTE & affiliated to Maulana Abul Kalam Azad University of Technology, West Bengal

243 G.T. Road (N), Liluah, Howrah- 711204, West Bengal, India

Ph: +91 33 26549315/17 Fax +91 33 26549318 Web: www.mckvie.edu.in/

Semester V							
Sl No.	Category	Course Code	Course Name	Contact Hours			Credits
				L	T	P	
Theory							
1	VOC	BSD501	Multimedia Technology	3	0	0	3
2	VOC	BSD502	Introduction to Python Programming	3	0	0	3
3	VOC	BSD503	Introduction to Biometrics	3	0	0	3
4	VOC	BSD504	Network Security and Cryptography	3	0	0	3
<i>Total Theory</i>				12	0	0	12
Practical/ Training							
1	VOC	BSD591	Multimedia Lab	0	0	3	1.5
2	VOC	BSD592	Python Programming Lab	0	0	3	1.5
3	VOC	BSD581	On Job Training (OJT)/ Qualification Pack				15
<i>Total Practical/ Training</i>							18
Total Credit of Semester V				0	0	6	30

Semester VI							
Sl No.	Category	Course Code	Course Name	Contact Hours			Credits
				L	T	P	
Theory							
1	HM	BSD601	Professional Ethics	3	0	0	3
2	VOC	BSD602	Introduction to Machine Learning	3	0	0	3
3	VOC	BSD603	Computer Network and System Administration	3	0	0	3
4	VOC	BSD604	E-Commerce	3	0	0	3
<i>Total Theory</i>				12	0	0	12
Practical/ Training							
1	VOC	BSD692	Machine Learning Lab	0	0	3	1.5
2	VOC	BSD693	System Administration and Network Lab	0	0	3	1.5
3	VOC	BSD681	On Job Training (OJT)/ Qualification Pack				15
<i>Total Practical/ Training</i>							18
Total Credit of Semester VI				0	0	6	30