

# Tilak Maharashtra Vidyapeeth

Course Structure – BCA(IMS)

2020-2021

Sub-code	Sem 1	Category of Subjects	Credits	Internal	External	Total
BCA-IM-101	Hardware Devices and Troubleshooting (Th)	Core	4	40	60	100
BCA-IM-102	Network Essentials (Pr)	Core	4	40	60	100
BCA-IM-103	Windows 10 (Pr)	Core	4	40	60	100
BCA-IM-104 OR BCA-IM-105	English (Th) OR Japanese (Th)	Elective	2	20	30	50
BCA-IM-106	Maths (Th)	Core	4	40	60	100
BCA-IM-107	C programming (Pr)	Complementary	2	20	30	50
	<b>Total</b>		<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>

Sub-code	Sem 2	Category of Subjects	Credits	Internal	External	Total
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BCA-IM-201 OR BCA-IM-202	Office 365 Administration (Th) OR Microsoft Server Administration (98-368) (Th)	Elective	2	20	30	50
BCA-IM-203	Red Hat System Administrator-1 (SA1) (Pr)	Core	4	40	60	100
BCA-IM-204	Red Hat System Administrator -2 (SA2) (Pr)	Core	4	40	60	100
BCA-IM-205	Environmental Studies (Th)	Core	4	40	60	100
BCA-IM-206	C++ Programming (Pr)	Complementary	2	20	30	50
BCA-IM-207	JETEdge _Part 1 (Th)	Core	4	40	60	100
<b>Total</b>			<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>

Sub-code	Sem 3	Category of Subjects	Credits	Internal	External	Total
BCA-IM-301	Microsoft Windows Server 2016 (740) (Pr)	Core	4	40	60	100
BCA-IM-302	Microsoft Windows Server 2016 (741) (Pr)	Core	4	40	60	100
BCA-IM-303	Microsoft Windows Server 2016 (742) (Pr)	Core	4	40	60	100
BCA-IM-304 OR BCA-IM-305	Software Testing (Th) OR Software Engineering (Th)	Elective	2	20	30	50
BCA-IM-306	Advance Web Designing (Pr)	Complementary	2	20	30	50
BCA-IM-307	Mini Project	Core	4	40	60	100
<b>Total</b>			<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>

Sub-code	Sem 4	Category of Subjects	Credits	Internal	External	Total
BCA-IM-401	Microsoft Exchange Server 2016 (Pr)	Core	4	40	60	100
BCA-IM-402	CCNA (200-301) (Pr)	Core	4	40	60	100
BCA-IM-403	Automation with PowerShell (Th)	Core	4	40	60	100

BCA-IM-404 OR BCA-IM-405	PHP Programming (Pr) OR Java (Pr)	Elective	2	20	30	50
BCA-IM-406	DatabaseManagement System(Oracle+ SQLite) (Pr)	Complementary	2	20	30	50
BCA-IM-407	JETEdge _ Part 2 (Th)	Core	4	40	60	100
<b>Total</b>			<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>

Sub-code	Sem 5	Category of Subjects	Credits	Internal	External	Total
BCA-IM-501	AWS Solutions Architect - Associate (Pr)	Core	4	40	60	100
BCA-IM-502	Microsoft Azure Administration (Pr)	Core	4	40	60	100
BCA-IM-503	Google Cloud Platform - Associate (Th)	Core	4	40	60	100
BCA-IM-504 OR BCA-IM-505	ASP.Net (Pr) OR Android (Pr)	Elective	2	20	30	50
BCA-IM-506	Fundamentals of Data Mining (Th)	Complementary	2	20	30	50
BCA-IM-507	Mini Project	Core	4	40	60	100
<b>Total</b>			<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>

Sub-code	Sem 6	Category of Subjects	Credits	Internal	External	Total
BCA-IM-601	Python Programming (Pr)	Core	4	40	60	100

BCA-IM-602 OR BCA-IM-603	Cyber Security (Th) OR E-commerce Technologies (Th)	Elective	2	20	30	50
BCA-IM-604	ITILv4 (Th)	Complementary	2	20	30	50
BCA-IM-605	JETEdge _ Part 3 (Th)	Core	4	40	60	100
BCA-IM-606	Project	Core	8	80	120	200
<b>Total</b>			<b>20</b>	<b>200</b>	<b>300</b>	<b>500</b>