



**JSPM UNIVERSITY PUNE**  
**Faculty of Science and Technology**  
**School of Basic and Applied Sciences**  
**Course Structure: Master of Science (Cyber Security)**

**Semester – I**  
**Level - 6.5**

Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination & Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01.	PCC	230GCAM01_01	Data Structure and Algorithm	2	1	-	2	100	-	-	3.5
02.	PCC	230GCAM02_01	Foundations of Artificial Intelligence	3	-	-	-	100	-	-	3
03.	PCC	230GCSM01_01	Computer Operating Systems and Security	2	-	-	-	50	-	-	2
04.	PCC	230GCSM02_01	Computer Networking and Security	3	-	-	-	100	-	-	3
05.	SEC	230GCAM15_01	Programming in Java	2	-	2	-	-	50	50	3
06.	VSC	230IDCB01_01	Design Thinking and Creativity	1	-	-	2	-	-	50	1.5
07.	AEC (HSMC)	230UENM01_01	Communicative English for Professionals	1	-	2	-	50	-	-	2
08.	RMC	230IRMM01_01	Research Methodology	2	-	-	-	50	-	-	2
09.	LC	230GCAM17_01	Data Structure and Algorithm Lab	-	-	2	-	-	50	-	1
10.	LC	230GCAM18_01	Foundations of Artificial Intelligence Lab	-	-	2	-	-	50	50	1
<b>Total Academic Engagement and Credits</b>				<b>16</b>	<b>1</b>	<b>8</b>		<b>450</b>	<b>150</b>	<b>150</b>	<b>22</b>
				<b>25</b>			<b>4</b>	<b>750</b>			

*(Signature)*  
 Mr. Ikram Ali  
 Programme Coordinator  
 MCA/MSc

*(Signature)*  
 Dr. R.S.Deshpande  
 Dean  
 FST



*(Signature)*  
 Dr. B.B.Ahuja  
 Vice-Chancellor  
 JSPM University  
 Pune

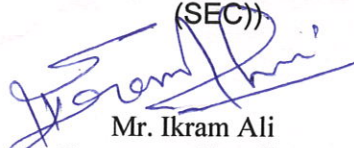



**JSPM UNIVERSITY PUNE**  
**Faculty of Science and Technology**  
**School of Basic and Applied Sciences**  
**Course Structure: Master of Science (Cyber Security)**

**Semester – II**  
**Level – 6.5**

Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination & Marking Scheme			Credits
				L	T	P	E L	TH	PR	OR	
01.	PCC	230GCSM03_02	Foundations of Cyber Security and Cryptography	2	1	-	-	100	-	-	3
02.	PCC	230GCAM05_02	Foundations of Machine Learning	2	-	-	2	100	-	-	2.5
03.	PCC	230GCSM04_02	Internet of Things and Security	3	-	-	-	100	-	-	3
04.	MMC	230HFSB06_02	Forensic Science and Criminal Investigations	2	-	-	-	100	-	-	2
05.	SEC	230GCSM17_02	Cyber Security with Python	2	-	2	-	-	50	50	3
06.	VSC	230IINB02_02	Innovation	1	-	-	2	-	-	50	1.5
07.	AEC (HSMC)	230UENM02_02	Business Communication	1	-	2	-	50	-	-	2
08.	RMC	230IRMM03_02	Research Data Analysis	2	-	-	-	50	-	-	2
09.	LC	230GCSM18_02	Foundations of Machine Learning Lab	-	-	2	-	-	50	-	1
10.	IITP/FP /CEP	230GCSM19_02	Internship/Field Project/Community Engagement Programme	4 to 6 weeks				-	-	50	2
<b>Total Academic Engagement and Credits</b>				<b>15</b>	<b>1</b>	<b>6</b>	<b>4</b>	<b>500</b>	<b>100</b>	<b>150</b>	<b>22</b>
				<b>22</b>			<b>4</b>		<b>750</b>		

Note:- A **Postgraduate Diploma** will be awarded if a student exits after first year.  
 For Exit at the end of first year the student must complete: (Total credits = 8 )  
 a) An internship / OJT of 8 - 10 weeks (4 credits)  
 b) Additional Course 1 (4 credits) (Vocational Skill Course (VSC) / Skill Enhancement Course (SEC))

  
 Mr. Ikram Ali  
 Programme Coordinator  
 MCA/MSc

  
 Dr. R.S. Deshpande  
 Dean  
 FST



  
 Dr. B.B. Ahuja  
 Vice Chancellor  
 JSPM University Pune