

STRUCTURE OF THE SYLLABUS FOR 2 YEAR PG PROGRAMME

ROYAL SCHOOL OF INFORMATION TECHNOLOGY

MSc. IT

Semester-I					
S.N	Subject Code	Names of subjects	LEVEL	C	L-T-P
1	INT054C101	Advanced Data Structures and Algorithms	499	3	3-0-0
2	INT054C102	Artificial Intelligence	500	3	3-0-0
3	INT054C103	Introduction to Data Analytics	500	3	3-0-0
4	INT054C111	Advanced Data Structures and Algorithms Lab	499	1	0-0-2
5	INT054C112	Artificial Intelligence Lab	500	1	0-0-2
6	INT054C113	Introduction to Data Analytics Lab	500	1	0-0-2
7	INT054C104/ INT054C105/ INT054C106	Web Technology / Mobile Application Development / UI /UX Design	500	4	4-0-0
8	INT054C107/ INT054C108/ INT054C109	Machine Learning & Deep Learning/Statistical Computing /Pattern Recognition	500	4	4-0-0
9	MOOCS	One 8-Week Course from SWAYAM /MOOCS as per the Department Directives	400	2	-
TOTAL				22	

Semester-II					
S.N	Subject Code	Names of subjects	LEVEL	C	L-T-P
1	INT054C201	System Programming	500	3	3-0-0
2	INT054C202	Digital Image Processing	500	3	3-0-0
	INT054C203	Internet Protocol and Network Design	500	3	3-0-0

3	INT054C211	System Programming Lab	500	1	0-0-2
4	INT054C212	Digital Image Processing Lab	500	1	0-0-2
	INT054C213	Internet Protocol and Network Design Lab	500	1	0-0-2
5	INT054C204/ INT054C205/ INT054C206	Natural Language Processing/ Big Data Analytics Remote Sensing and GIS	500	4	4-0-0
6	INT054C207 / INT054C208 / INT054C209	Computer Vision / Cloud Computing / Biomedical Image Processing	500	4	4-0-0
7	MOOCS	One 8-Week Course from SWAYAM /MOOCS as per the Department Directives	400	2	-
TOTAL				22	

2nd Year Course Structure only with Course Works + Research

Semester-III					
S.N	Subject Code	Names of subjects	Level	C	L-T-P
1.	INT054C301	Software Project Management	600	3	3-0-0
2.	INT054C302	Network Security and Cryptography	600	3	3-0-0
3.	INT054C311	Software Project Management Lab	600	1	0-0-2
4.	INT054C312	Network Security and Cryptography Lab	600	1	0-0-2
5.	INT054C303/ INT054C304	Internet of Things /Embedded Systems	600	4	3-1-0
5.	MOOCS	One 8-Week Course from SWAYAM /MOOCS as per the Department Directives	600	2	-
6.	INT054C321	Dissertation-I	600	8	-
TOTAL				22	

Semester-IV					
S.N	Subject Code	Names of subjects	Level	C	L-T-P
1.	INT054C401/ INT054C402	Quantum Computing / Block Chain Technologies	600	4	3-1-0

2.	INT054C403/ INT054C404	Soft Computing /Edge Computing	600	4	3-1-0
3.	MOOCS	One 8-Week Course from SWAYAM /MOOCS as per the Department Directives	600	2	-
4.	INT054C421	Dissertation-II	600	12	-
TOTAL				22	

2nd Year Course Structure only with Research Works

Semester-III					
S.N	Subject Code	Names of subjects	Level	C	L-T-P
1.	MOOCS	One 8-Week Course from SWAYAM /MOOCS as per the Department Directives	600	2	-
2.	INT054C321	Dissertation-I	600	20	-
TOTAL				22	

Semester-IV					
S.N	Subject Code	Names of subjects	Level	C	L-T-P
1.	MOOCS	One 8-Week Course from SWAYAM /MOOCS as per the Department Directives	600	2	-
2.	INT054C421	Dissertation-II	600	20	-
TOTAL				22	