STRUCTURE OF THE SYLLABUS FOR 4 YEAR UG PROGRAMME ROYAL SCHOOL OF INFORMATION TECHNOLOGY

BSC IT (Honours/Honours with Research)

Si. No. Subject Code Names of subjects Credit			1 st Semester	
INT052M101 Computer Fundamentals 3		Subject Code	Names of subjects	Credit
Ninor Subject Code Names of subjects Si. No. Subject Code Names of subjects Subject Code S			Major	
Minor State	1	INT052M101	Computer Fundamentals	3
3 INT052N101 Fundamentals of Web Design 3	2	INT052M102	Introduction to C Programming	3
Interdisciplinary			Minor	
Ability Enhancement Courses (AEC)	3	INT052N101	Fundamentals of Web Design	3
Ability Enhancement Courses (AEC)			Interdisciplinary	
5 CEN982A101 Communicative English 2 BHS982A102 Behavioural Science-I Skill Enhancement Courses (SEC) 6 INT052S101 Windows Programming using C# 3 Value Addition Courses (VAC) 7 VAC-1 Basket Course 3 8 MOOCS One 8-week Course from SWAYAM /MOOCS as per the direction of the Department 2 TOTAL 22 SI. No. Subject Code Names of subjects Credit Discipline Specific Major (Major) 1 INT052M201 Data Structures 3 2 INT052M202 Computer Architecture 3	4	IKS992K101	Introduction to Indian Knowledge System-I	3
BHS982A102 Behavioural Science-I		1	Ability Enhancement Courses (AEC)	
Science-I	5	CEN982A101	Communicative English	2
6 INT052S101 Windows Programming using C# 3 Value Addition Courses (VAC) 7 VAC-1 Basket Course 3 8 MOOCS One 8-week Course from SWAYAM /MOOCS as per the direction of the Department 2 TOTAL 22 SI. Subject Code Names of subjects Credit Discipline Specific Major (Major) 1 INT052M201 Data Structures 3 2 INT052M202 Computer Architecture 3		BHS982A102		
Value Addition Courses (VAC)			Skill Enhancement Courses (SEC)	
7 VAC-1 Basket Course 3 8 MOOCS One 8-week Course from SWAYAM /MOOCS as per the direction of the Department 2 TOTAL 22 Sl. No. Subject Code Names of subjects Credit Discipline Specific Major (Major) 1 INT052M201 Data Structures 3 2 INT052M202 Computer Architecture 3	6	INT052S101	Windows Programming using C#	3
8 MOOCS One 8-week Course from SWAYAM /MOOCS as per the direction of the Department 2 TOTAL 22 2nd Semester Sl. No. Subject Code Names of subjects Credit Discipline Specific Major (Major) 1 INT052M201 Data Structures 2 INT052M202 Computer Architecture 3		1	Value Addition Courses (VAC)	
Sl. Subject Code Names of subjects Credit	7	VAC-1	Basket Course	3
22 2 2 2 2 2 2 2 2	8	MOOCS	=	2
Sl. No. Subject Code Names of subjects Credit Discipline Specific Major (Major) 1 INT052M201 Data Structures 3 2 INT052M202 Computer Architecture 3			TOTAL	22
No. Subject Code Names of subjects Credit Discipline Specific Major (Major) 1 INT052M201 Data Structures 3 2 INT052M202 Computer Architecture 3		<u> </u>	2 nd Semester	
1 INT052M201 Data Structures 3 2 INT052M202 Computer Architecture 3		Subject Code	Names of subjects	Credit
2 INT052M202 Computer Architecture 3		1	Discipline Specific Major (Major)	
	1	INT052M201	Data Structures	3
Minor	2	INT052M202	Computer Architecture	3
1/1111/01		1	Minor	

3	INT052N201	Server-Side Programming	3
	•	Interdisciplinary	
4	IKS992K201	Indian Knowledge System II	3
		Ability Enhancement Courses (AEC)	
5	AEC982A201	Communicative English and Behavioural Science-II	2
6	INT052S201	Computer Hardware and Networking	3
7	VAC992V2409	Basket Course (Cybersecurity - RSIT)	3
,	VAC 3 3 2 V 2 4 0 3	(List Offered by University)	3
		MOOCS	
8	MOOCS	One 8-week Course from SWAYAM /MOOCS as per the direction of the Department	2
		TOTAL	22
		3 rd Semester	
Sl. No.	Subject Code	Names of subjects	Credit
	1	Major	
1	INT052M301	Java Programming	4
2	INT052M302	Database Management Systems	4
		Minor	
3	INT052N301	Front-End Development with React (Offered to Others)	4
		Interdisciplinary	
4	INT052I301	Introduction to Python (Offered to all by RSIT)	3
		Ability Enhancement Courses (AEC)	
	CEN982A301	Communicative English III: Fundamentals of Business Communication	
5	BHS982A302	Behavioural Science III	1+1
		Skill Enhancement Courses (SEC)	
6	INT052S301	SEC-3 (System Administration)	3
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		MOOCS	
7	MOOCS	One 8-week Course from SWAYAM /MOOCS as per the direction of the Department	2
		TOTAL	22
		4 th Semester	
Sl. No.	Subject Code	Names of subjects	Credit
		Major	
1	INT052M401	Operating Systems	4
2	INT052M402	Data Communication Networks	4
3	IKS052K403	Indian Knowledge System	4
		Minor	<u> </u>
4	INT052N401	Front End Development with Angular	3
5	INT052N402	Server-Side Programming with Node JS	3
	<u> </u>	Ability Enhancement Courses (AEC)	
6	CEN982A401	Communicative English	1
7	BHS982A402	Behavioural Science-IV	1
	<u>I</u>	MOOCS	1
7	MOOCS	One 8-week Course from SWAYAM /MOOCS as per the direction of the Department	2

		5 Th S	emester	
Sl. No.	Subject Code	Names o	f subjects	Credit
1	INT052M501	Web Te	chnology	4
2	INT052M502	Python Programming		4
3	INT052M503/ INT052M504		l Intelligence/ Statistical puting	4
4	INT052N501	Web Integration	and Application	4
5	MOOCS		SWAYAM /MOOCS as per The Department	2
6	INT052I501	Summer	Internship	4
		TOTAL		22
	1	6 th S	emester	
Sl. No.	Subject Code	Names o	f subjects	Credit
1	INT052M601	Software I	Engineering	4
2	INT052M602	Cryptography and	l Network Security	4
3	INT052M603/ INT052M604	Introduction to Machine learning /Introduction to Data science		4
4	INT052M605/ INT052M606	Introduction to Deep Learning /Introduction to Big Data Analytics		4
5	INT052N601	Secure Web	Development	4
6	MOOCS		SWAYAM /MOOCS as per the Department	2
		TOTAL		22

Cl		7 th Ser	nester	
Sl. No.	Subject Code	Names of subj	ects	Credit
1	INT052M701	Cloud Computing		3
2	INT052M702	Introduction to Data Warehousing		3
3	INT052M703	Introduction to Natural Lan	guage Processing	3
4	INT052M704	Wireless Communication Network		3
5	INT052M711	Cloud Computin	g Lab	1
6	INT052M712	Introduction to Data Wa	rehousing Lab	1
7	INT052M713	Introduction to Natural Langu	age Processing Lab	1
8	INT052M714	Wireless Communication	n Network Lab	1
		Min	nor	
5	INT052N701	Cloud-Based Web De	velopment	4
		MO	ocs	
6	INT052Y701	One 8-week Course from SWAYAM /MOOCS as per the direction of the Department		2
		TOTAL		22
Sl. No.	Subject Code	8 th Sei Names of subj		Credit
	Subject Code INT052M801		ects	Credit 3
No.		Names of subj	ects ng	
No. 1	INT052M801	Names of subj	ects ng g Lab	3
No. 1 2	INT052M801 INT052M811	Names of subj Soft Computing	ects ng g Lab Optimization M /MOOCS as per the	3
No. 1 2 2	INT052M801 INT052M811 INT052N801	Names of subj Soft Computing Web Page Ranking and One 8-week Course from SWAYA	ects ng g Lab Optimization M /MOOCS as per the partment	3 1 4
No. 1 2 2 3	INT052M801 INT052M811 INT052N801	Names of subj Soft Computing Web Page Ranking and One 8-week Course from SWAYA direction of the Dep	ects ng g Lab Optimization M /MOOCS as per the partment	3 1 4 2
No. 1 2 2 3 4	INT052M801 INT052M811 INT052N801 INT052Y801	Names of subj Soft Computing Web Page Ranking and One 8-week Course from SWAYA direction of the Dep	ects ng g Lab Optimization M /MOOCS as per the partment n ng	3 1 4 2 12
No. 1 2 2 3 4 5	INT052M801 INT052M811 INT052N801 INT052Y801 INT052M802	Names of subj Soft Computing Web Page Ranking and One 8-week Course from SWAYA direction of the Dep	ects ng g Lab Optimization M /MOOCS as per the partment n ng ologies	3 1 4 2 12 4