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#### **CRITERION I - CURRICULAR ASPECTS**

## 1.1.1 Curriculum Mapping with Local to Global Developmental Needs



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#### **CRITERION I**

#### Global Local Regional **Programme Name** B. Com. B. Com. Banking B. Com. Computer Applications B. Com. Information Technology B. Com. Professional Accounting M. Com. Finance and Control B. C. A. B. Sc. Computer Science B. Sc. Computer Science (Data Science) B. Sc. Digital and Cyber Forensic Science B. Sc. Information Technology B. Sc. Artificial Intelligence & Machine Learning B. Sc. Catering Science and Hotel Management B. Sc. Costume Design and Fashion B. Sc. Visual Communication (Electronic Media) B. A. English Literature M. A. English Literature M. S. W.

#### 1.1.1 Curriculum Relevance - Local, Regional, National and Global







S. No.	Programme Name	Local	Regional	National	Globa
19	B. Sc. Biochemistry with Nanotechnology	13	10	28	11
20	B. Sc. Biotechnology	28	35	37	35
21	B. Sc. Food Science and Nutrition	12	11	22	8
22 🛫	B. Sc. Microbiology	37	37	27	27
23 ***	M. Sc. Biotechnology	13	15	27	23
24	M. Sc. Food Science and Nutrition	12	7	14	9
25	M. Sc. Microbiology	25	24	21	20
26	B. B. A. Computer Applications	14	32	37	15
27	B. B. A. International Business	15	31	37	17
28	B. B. A. Logistics	17	30	37	17
	Common Courses	19	27	16	13
	Total	575	707	874	599



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# **School of Commerce**





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#### Programme Name: B. Com.

S.	Correct Code	Courses Norma		Development Needs				
No.	Course Code	Course Name	Local	Regional	National	Global		
1	21U3ACC101	Principles of Accountancy	$\checkmark$	$\checkmark$	$\checkmark$			
2	21U3CRC102	Business Organization and Office Management			$\checkmark$			
3	21U3CRP103	Office Automation – Practical	$\checkmark$	$\checkmark$	$\checkmark$			
4	21U3ACC204	Financial Accounting	$\checkmark$	$\checkmark$	$\checkmark$			
5	21U3CRP205	Computerized Accounting Practical	$\checkmark$	$\checkmark$	$\checkmark$			
6	21U3ACC306	Corporate Accounting			$\checkmark$			
7	21U3ACC307	Banking Theory Law and Practice	$\checkmark$	$\checkmark$	$\checkmark$			
8	21U3CRC308	Cost Accounting	$\checkmark$		$\checkmark$			
9	21U3ACA303	Managerial Economics				$\checkmark$		





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10	21U4CRS301	Financial Reporting	$\checkmark$	$\checkmark$	$\checkmark$	
11	21U3CRC409	Company Law			$\checkmark$	
12	21U3ACC410	Contemporary Marketing				$\checkmark$
13	21U3CRC411	Financial Management	$\checkmark$	$\checkmark$	$\checkmark$	
14	21U3CRC412	Advanced Corporate Accounting			$\checkmark$	
15	21U4CRA404	Elements of E-Commerce			$\checkmark$	
16	21U4ACS402	Executive Development			$\checkmark$	$\checkmark$
17	21U3ACC513	Management Accounting			$\checkmark$	$\checkmark$
18	21U3ACC514	Income Tax law and Practice – I			$\checkmark$	
19	21U3ACC515	Business Research Methods		$\checkmark$		
20	21U3CRC516	Entrepreneurial Development	$\checkmark$	$\checkmark$	$\checkmark$	

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S.	Course Code	Course Name	Development Needs			
No.	Course Coue	Course Maine	Local	Regional	National	Global
21	21U3CRE501	Corporate Tax Planning	$\checkmark$	$\checkmark$	$\checkmark$	
22	21U3CRE502	Organizational Behaviour	$\checkmark$		$\checkmark$	
23	21U3ACE503	Consumer Affairs			$\checkmark$	
24	21U4CRS503	Executive Business Communication	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
25	21U3ACC617	Principles of Auditing			$\checkmark$	
26	21U3ACC618	Indirect Taxes			$\checkmark$	
27	21U3ACC619	Income Tax law and Practice – II			$\checkmark$	
28	21U3ACE604	Business Finance	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
29	21U3CRE605	Mercantile Law			$\checkmark$	
30	21U3ACE606	Supply Chain Management			$\checkmark$	
31	21U3ACE607	Investment Management			$\checkmark$	
32	21U3ACE608	Financial Markets.	$\checkmark$	$\checkmark$	$\checkmark$	
33	21U3ACV609	Project Work and Viva Voce			$\checkmark$	
34	21U4ACS604	Cyber Security and Law			$\checkmark$	

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#### **Programme Name: B. Com. Banking**

				Developm	nent Needs	
S. No.	Course Code	Course Name	Global	National	Regional	Local
1	21U3ACC101	Principles of Accountancy		$\checkmark$	$\checkmark$	$\checkmark$
2	21U3CBC102	Indian Banking System		$\checkmark$	$\checkmark$	$\checkmark$
3	21U3CBP103	Computer Application Practical – I (Office Automation)		$\checkmark$	$\checkmark$	$\checkmark$
4	21U3ACC204	Financial Accounting		$\checkmark$	$\checkmark$	$\checkmark$
5	21U3ACC205	Business Organisation and Office Management		$\checkmark$	$\checkmark$	$\checkmark$
6	21U3ACC306	Corporate Accounting		$\checkmark$		
7	21U3ACC307	Banking Theory Law and Practice		$\checkmark$	$\checkmark$	$\checkmark$
8	21U3CBP308	Computerised Accounting – Practical		$\checkmark$	$\checkmark$	$\checkmark$
9	21U3ACA303	Managerial Economics	$\checkmark$			
10	22U4ACS301	Principles of Management		$\checkmark$		
11	21U3ACC409	Cost Accounting		$\checkmark$	$\checkmark$	$\checkmark$
12	21U3ACC410	Contemporary Marketing	$\checkmark$			
13	21U3CBC411	Merchant Banking		$\checkmark$	$\checkmark$	$\checkmark$
14	21U3CBC412	Executive Business Communication	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
15	21U3ACA404	Company Law And Secretarial Practice		$\checkmark$		
16	21U4ACZ402	Finance Modelling through Spreadsheet		$\checkmark$	$\checkmark$	$\checkmark$
17	21U3ACC513	Management Accounting	$\checkmark$	$\checkmark$		
18	21U3ACC514	Banking Technology Management		$\checkmark$		$\checkmark$
19	21U3ACC515	Business Research Methods	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
20	21U3ACC516	Direct Tax		$\checkmark$	$\checkmark$	$\checkmark$
21	21U4CBZ503	Instrumental Enhancement in Banking – Practical		$\checkmark$	$\checkmark$	$\checkmark$
22	21U3ACC617	Principles of Auditing		$\checkmark$		









	~ ~ .		Development Needs				
S. No.	Course Code	Course Name	Global	National	Regional	Local	
23	21U3CBC618	Financial Management	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
24	21U3CBC619	Banking Services and Customer Relationship Management	$\checkmark$	$\checkmark$		$\checkmark$	
25	21U4ACS604	Cyber Security and Law	$\checkmark$	$\checkmark$			
26	21U3ACE501	Brand Management		$\checkmark$	$\checkmark$	$\checkmark$	
27	21U3ACE502	Goods and Service Tax		$\checkmark$		$\checkmark$	
28	21U3ACE503	Consumer Affairs		$\checkmark$			
29	21U3ACE604	Business Finance	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
30	21U3ACE605	Entrepreneurial Development		$\checkmark$	$\checkmark$	$\checkmark$	
31	21U3CBE606	Financial Services	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
32	21U3ACE607	Investment Management		$\checkmark$			
33	21U3CBE608	Indian Capital Market and Financial System		$\checkmark$			
34	21U3ACV609	Project Work & Viva Voce		$\checkmark$			

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#### **Programme Name: B. Com. Computer Applications**

S.	Course Code	Course Name		Developme	nt Needs	
No.	Course Coue		Local	Regional	National	Global
1	21U3ACC101	Principles of Accountancy	$\checkmark$	$\checkmark$	$\checkmark$	
2	21U3ACC102	Introduction to Information Technology	$\checkmark$		$\checkmark$	$\checkmark$
3	21U3CPP103	Computer Application Practical – I (Office Automation)	$\checkmark$	$\checkmark$	$\checkmark$	
4	21U3ACC204	Business Organization and Office Management	$\checkmark$	~	$\checkmark$	
5	21U3CCP205	Computer Application Practical II (Tally ERP 9.0)	$\checkmark$	$\checkmark$	$\checkmark$	
6	21U3ACC306	Corporate Accounting			$\checkmark$	
7	21U3CCC307	Database Management System	$\checkmark$	$\checkmark$	$\checkmark$	
8	21U3CCP308	Oracle Practical			$\checkmark$	$\checkmark$
9	21U3ACA303	Managerial Economics				$\checkmark$
10	21U4ACS301	Principals of Management			$\checkmark$	
11	21U3ACC409	Cost Accounting	$\checkmark$		$\checkmark$	
12	21U3ACC410	Contemporary Marketing				$\checkmark$
13	21U3CCC411	Object Oriented Programming in C++	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
14	21U3CCP412	C++ Practical	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
15	21U3ACA404	Company Law & Secretarial Practice			$\checkmark$	
16	21U4ACZ402	Finance Modelling Through Spread sheet			$\checkmark$	
17	21U3ACC513	Management Accounting			$\checkmark$	$\checkmark$
18	21U3CCC514	Python Programming		$\checkmark$	$\checkmark$	$\checkmark$
19	21U3CCC515	Python Programming Practical		$\checkmark$		
20	21U3ACC516	Direct Tax	$\checkmark$	$\checkmark$	$\checkmark$	



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S.	Course Code	Course Name	Development Needs				
No.			Local	Regional	National	Global	
21	21U3CCS503	Artificial Intelligence	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
22	21U3CCC617	E-Commerce			$\checkmark$		
23	21U3ACC618	Internet and Web Designing			$\checkmark$		
24	21U3ACP619	Web designing Practical	$\checkmark$		$\checkmark$		
25	21U4ACS604	Cyber Security and Law			$\checkmark$	$\checkmark$	
26	21U3ACE501	Brand Management	$\checkmark$	$\checkmark$	$\checkmark$		
27	21U3ACE502	Goods and Service Tax	$\checkmark$		$\checkmark$		
28	21U3ACE503	Consumer Affairs			$\checkmark$		
29	21U3ACE604	Business Finance	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
30	21U3ACE605	Entrepreneurial Development	$\checkmark$	$\checkmark$	$\checkmark$		
31	21U3CCE606	Software Quality Assurance			$\checkmark$		
32	21U3ACE607	Investment Management			$\checkmark$		
33	21U3CCE608	Financial Markets	$\checkmark$	$\checkmark$	$\checkmark$		
34	21U3ACV609	Project Work & Viva Voce			$\checkmark$		

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#### **Programme Name: B. Com. Information Technology**

C.N.	Course Code		Development N		nt Needs	Needs	
S. No.	Course Code	Course Name	Local	Regional	National	Global	
1	21U3ACC101	Principles of Accountancy	$\checkmark$	$\checkmark$	$\checkmark$		
2	21U3CIC102	Information Technology			$\checkmark$	$\checkmark$	
3	21U3CIP103	Computer Application Practical –I (Office Automation)	$\checkmark$	$\checkmark$	$\checkmark$		
4	21U3ACC204	Financial Accounting	$\checkmark$	$\checkmark$	$\checkmark$		
5	21U3CIP205	Computer Application Practical – II (Computerized Accounting)	$\checkmark$	$\checkmark$	$\checkmark$		
6	21U3ACC306	Corporate Accounting			$\checkmark$		
7	21U3CIC307	Introduction to Python Programming	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
8	21U3CIP308	Python Programming Practical	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
9	21U3ACA303	Managerial Economics				$\checkmark$	
10	21U4CIS301	Relational Database Management System			$\checkmark$		
11	21U3ACC409	Cost Accounting	$\checkmark$		$\checkmark$		
12	21U3ACC410	Contemporary Marketing				$\checkmark$	
13	21U3ACC411	Java Programming	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
14	21U3CIP412	Java programming Practical	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
15	21U3ACA404	Company Law and Secretarial Practice			$\checkmark$		
16	22U4CIS401	Internet of Things		$\checkmark$	$\checkmark$	$\checkmark$	
17	21U3ACC513	Management Accounting			$\checkmark$	$\checkmark$	
18	21U3CIC514	VB.NET Programming	$\checkmark$		$\checkmark$		
19	21U3CIP515	VB.NET Practical	$\checkmark$		$\checkmark$		
20	21U3ACC516	Direct Tax	$\checkmark$	$\checkmark$	$\checkmark$		









S. No.	Course Code	Course Name		Developme	pment Needs		
<b>5.</b> INU.	Course Coue	Course Name	Local	Regional	National	Global	
21	21U3CIE501	Banking Theory Law and Practice	$\checkmark$	$\checkmark$	$\checkmark$		
22	21U3ACE502	Goods and Service Tax	$\checkmark$		$\checkmark$		
23	21U3ACE503	Consumer Affairs			$\checkmark$		
24	21U4CIS503	Mobile Computing	$\checkmark$		$\checkmark$		
25	21U3ACC617	Principles of Auditing			$\checkmark$		
26	21U3ACC618	Internet and Web Designing			$\checkmark$		
27	21U3CIP619	Web Designing Practical	$\checkmark$		$\checkmark$		
28	21U4ACS604	Cyber Security and Law			$\checkmark$	$\checkmark$	
29	21U3CIE501	Banking Theory Law and Practice	$\checkmark$	$\checkmark$	$\checkmark$		
30	21U3ACE502	Goods and Service Tax	$\checkmark$		$\checkmark$		
31	21U3ACE503	Consumer Affairs			$\checkmark$		
32	21U3CIE604	Networking Management			$\checkmark$		
33	21U3ACE605	Entrepreneurial Development	$\checkmark$	$\checkmark$	$\checkmark$		
34	21U3CIE606	Cloud Computing	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
35	21U3ACE607	Investment Management			$\checkmark$		
36	21U3CIE608	Software Project Management			$\checkmark$		
37	21U3ACV609	Project Work & Viva Voce			$\checkmark$		

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#### **Programme Name: B. Com. Professional Accounting**

S. No.	Course Code	Course Name		Develop	ment Needs	
<b>5.</b> NO.	Course Code	Course Name	Local	Regional	National	Global
1	21U3ACC101	Principles of Accountancy	$\checkmark$	$\checkmark$	$\checkmark$	
2	21U3ACC102	Introduction to Information Technology	$\checkmark$		~	
3	21U3CPP103	Computer Application Practical – I (Office Automation)	$\checkmark$	$\checkmark$	$\checkmark$	
4	21U3CPC204	Cost Accounting	$\checkmark$		$\checkmark$	
5	21U3CPP205	Accounting Practical	$\checkmark$	~	~	
6	21U3ACC306	Corporate Accounting			~	
7	21U3ACC307	Banking Theory Law and Practice	$\checkmark$	$\checkmark$	~	
8	21U3CPC308	Industrial Law			$\checkmark$	
9	21U3ACA303	Managerial Economics				$\checkmark$
10	21U4CPS301	Digital Marketing	$\checkmark$	$\checkmark$	~	$\checkmark$
11	21U3CPC409	Executive Business Communication	$\checkmark$	~	~	$\checkmark$
12	21U3CPC410	Advanced Accountancy			~	
13	21U3CPC411	Principles of Auditing			~	
14	21U3CPP412	Computerized Accounting (Tally with GST)	$\checkmark$	$\checkmark$	~	
15	21U3ACA404	Company Law and Secretarial Practice			~	
16	22U4ACS402	Executive Development			~	$\checkmark$
17	21U3ACC513	Management Accounting			~	$\checkmark$
18	21U3ACC514	Income Tax Law and Practice – I			$\checkmark$	
19	21U3CPC515	Business Research Methods		~		
20	21U3CPC516	Financial Reporting	$\checkmark$	~	~	



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S. No.	Course Code	Course Name		Develop	ment Needs	
<b>S. NU.</b>	Course Coue	Course Name	Local	Regional	National	Global
21	21U4CPS503	Strategic Management	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
22	21U3CPC617	Auditing and Assurance			$\checkmark$	
23	21U3ACC618	Indirect Taxes			$\checkmark$	
24	21U3ACC619	Income Tax Law and Practice – II			$\checkmark$	
25	21U4ACS604	Cyber Security and Law			$\checkmark$	$\checkmark$
26	21U3CPE501	Financial Management	$\checkmark$	$\checkmark$	$\checkmark$	
27	21U3CPE502	Corporate Governance and Business Ethics			$\checkmark$	
28	21U3ACE503	Consumer Affairs			$\checkmark$	
29	21U3ACE604	Business Finance	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
30	21U3ACE605	Entrepreneurial Development	$\checkmark$	$\checkmark$	$\checkmark$	
31	21U3ACE606	Supply Chain Management			$\checkmark$	
32	21U3ACE607	Investment Management			~	
33	21U3ACE608	Financial Markets	$\checkmark$	~	$\checkmark$	
34	21U3ACV609	Project Work & Viva Voce			$\checkmark$	

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#### **Programme Name: M. Com. Finance and Control**

S. No.	Course Code	Course Name	Development Needs				
S. No.	Course Code	Course Name	Local	Regional	National	Global	
1	21PGCFC101	Advanced Financial Accounting	$\checkmark$	$\checkmark$	$\checkmark$		
2	21PGCFC102	Managerial Economics	$\checkmark$	$\checkmark$	$\checkmark$		
3	21PGCFC103	Quantitative Techniques	$\checkmark$	$\checkmark$	$\checkmark$		
4	21PGCFQ101	Computer Applications: MS– Office and E- Business Applications	$\checkmark$	$\checkmark$	~	~	
5	21PGCFE101	Financial Markets and Institutions	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
6	21PGCFE102	Business Environment	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
7	21PGCFE103	Indirect Taxation	$\checkmark$	$\checkmark$	$\checkmark$		
8	21PGCFC204	Corporate Accounting	$\checkmark$	$\checkmark$	$\checkmark$		
9	21PGCFC205	Applied Cost Accounting	$\checkmark$	$\checkmark$	~		
10	21PGCFC206	Financial Management	$\checkmark$	$\checkmark$	~	$\checkmark$	
11	21PGCFC207	Financial Services	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
12	21PGCFQ202	Computer Applications: Tally and Internet	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
13	21PGCFE204	Indian Stock Exchanges	$\checkmark$	$\checkmark$	~	$\checkmark$	
14	21PGCFE205	Strategic Management	$\checkmark$	$\checkmark$	~	$\checkmark$	
15	21PGCFE206	Modern Banking	$\checkmark$	$\checkmark$	$\checkmark$		
16	21PGCFC308	Accounting for Decision Making	$\checkmark$	$\checkmark$	$\checkmark$		
17	21PGCFC309	Business Research Methods		$\checkmark$	$\checkmark$		









S. No.	Course Code	Course Name		Developme	ent Needs	
<b>5.</b> INU.	Course Coue	Course Maine	Local	Regional	National	Global
18	21PGCFC310	Investment Management	$\checkmark$	$\checkmark$	$\checkmark$	
19	21PGCFQ303	Computer Applications: SPSS Accounting Package	$\checkmark$	$\checkmark$	$\checkmark$	
20	21PGCFE307	Futures and Options	$\checkmark$	$\checkmark$	$\checkmark$	
21	21PGCFE308	Human Resource Management	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
22	21PGCFE309	Insurance and Risk Management	$\checkmark$	$\checkmark$	$\checkmark$	
23	21PGCFC411	International Financial Management	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
24	21PGCFC412	Security Analysis and Portfolio Management	$\checkmark$	$\checkmark$	$\checkmark$	
25	21PGCFC413	Direct Taxes	$\checkmark$	$\checkmark$	$\checkmark$	
26	21PGCFV401	Project Work and Viva Voce	$\checkmark$	$\checkmark$	$\checkmark$	
27	21PGCFE410	Fundamental and Technical Analysis	$\checkmark$	$\checkmark$	$\checkmark$	
28	21PGCFE411	Derivatives and Risk Management	$\checkmark$	$\checkmark$	$\checkmark$	
29	21PGCFE412	Entrepreneurship and New Venture Planning	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$

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## School of Computational Sciences







#### Programme Name: B. C. A

s.			Development Needs				
No.	Course Code	Course Name	Local	Regiona	National	Global	
1	21U3CKC101	Python Programming	~	~	~	~	
2	21U3CKC102	Digital Fundamentals and Computer Architecture	~	~	~	~	
3	21U3CAP101	Practical in Python Programming	~	~	~	~	
4	2103MIA101	Mathematics for Computer Science		~	~		
5	21U3CKC203	Java Programming	~	~	~	~	
6	21U3CKC204	Data Structures	$\checkmark$	~	~	~	
7	21U3CAP202	Practical in Java Programming	~	~	~	~	
8	21U3MIA202	Discrete Mathematics		~	~		
9	21U3CKC305	Operating Systems	~	~	~	~	
10	21U3CAC306	RDBMS & Oracle	~	~	~	~	
11	21U3CAP303	Practical in Oracle Programming	~	~	~	~	
12	21U3MIA303	Operations Research		1	~	~	
13	21U4CAZ301	Practical in Multimedia and its Applications	~	~	~	~	
14	21U3CAC407	Visual Programming	~	~	~	~	
15	21U3CKC408	Software Engineering	~	1	~	~	
16	21U3CAP404	Practical in Visual Programming	~	~	~	~	
17	21U3BAA404	Accounting for Cost & Management	~	~	~	~	
18	21U4CAZ402	Practical in Web Programming using PHP and MYSQL	~	1	1	~	
19	21U3CAC509	Computer Network	~	~	~	~	



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s.		Course Name	Development Needs				
No.	Course Code		Local	Regiona	National	Global	
20	21U3CAC510	Object Oriented System and Design	~	~	~		
21	21U3CAC511	Internet of Things	~	~	~	~	
22	21U3CAP505	Practical in Case Tools	~	~	$\checkmark$	~	
23	21U3CKE501	Block Chain Technology	~	~	~	~	
24	21U3CKE502	Next Generation Networks	~	~	~	$\checkmark$	
25	21U3CKE503	Industrial Internet of Things	~	~	~	~	
26	21U3CKE504	Big Data Analytics	~	~	~	~	
27	21U3CKC612	Data Mining	~	~	~	~	
28	21U3CKE605	Software Quality Assurance	~	~	~	~	
29	21U3CKE606	Information Security	. ✓	~	~	~	
30	21U3CKE607	Cloud Computing	~	~	~	~	
31	21U3CKE608	Cyber Security	~	~	~	~	
32	21U3CAE609	Artificial Intelligence	~	~	~	~	
33	21U3CAE610	Software Project Management		1	~	~	
34	21U3CAE611	Bioinformatics	~	~	~	~	
35	21U3CAE612	Mobile Application Development and its Applications	~	~	~	~	
36	21U4CAZ604	Practical in R Programming	~	~	~	~	

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#### **Programme Name: B. Sc. Computer Science**

			Development Needs				
S. No.	Course Code	Course Name	Local	Regional	National	Global	
1	21U3CKC101	Python Programming	~	~	~	~	
2	21U3CKC102	Digital Fundamentals and Computer Architecture	~	1	~	~	
3	21U3CSP101	Practical in Python Programming	~	~	~	~	
4	21U3MIA101	Mathematics for Computer Science	$\checkmark$		~		
5	21U3CKC203	Java Programming	~	~	~	~	
6	21U3CKC204	Data Structures	~	~	~	1	
7	21U3CSP202	Practical in Java Programming and Bio- Computing	~	~	1	1	
8	21U3MIA202	Discrete Mathematics		~	~		
9	21U3CKC305	Operating Systems		~	~	~	
10	21U3CSC303	Object Oriented System and Design	~	~	1	1	
11	21U3CSP304	Practical in Case Tools		~	1	1	
12	21U3MIA303	Operations Research		~	~	1	
13	21U4CSZ301	Practical in HTML and CSS	~	~	~	~	
14	21U3CSC405	RDBMS and MySQL		~		~	
15	21U3CKC407	R Programming	~	~	~	~	
16	21U3CSP406	Practical in R Programming	~	~	~	~	
17	21U3CSC407	Software Engineering	~	~	~	1	
18	21U3BTA404	Fundamentals of Bioinformatics	~	1		1	
19	21U4CSZ402	Practical in JavaScript		~	~	~	
20	21U3CSC508	PHP Programming	~	~	~	~	
21	21U3CSP509	Practical in PHP Programming and BioPerl	~	1	~	~	



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		Course Name	Development Needs				
S. No.	Course Code		Local	Regional	National	Global	
22	21U3CSC510	Data Communication and Networks		~	~	~	
23	21U3CSC511	Artificial Intelligence	1	~	~	~	
24	21U3CKE501	Block Chain Technology	~	~	~	~	
25	21U3CKE502	Next Generation Networks	~	~	~	~	
26	21U3CKE503	Industrial Internet of Things	~	~	~	1	
27	21U3CKE504	Big Data Analytics	~	~	~	1	
28	21U4CSZ503	Practical in Multimedia	~	~		~	
29	21U3CSC613	Android Programming	~	~	~	1	
30	21U3CSC614	Augmented and Virtual Reality	~	~	~	~	
31	21U3CKE605	Software Quality Assurance	~	~	~	1	
32	21U3CKE606	Information Security	~	~	~	~	
33	21U3CKE607	Cloud Computing	~	~	~	~	
34	21U3CKE608	Cyber Security	~	~	~	~	
35	21U3CSE609	Data Mining and Warehousing	~	~	~	1	
36	22U3CSE610	Machine Learning Techniques	~	~	1	1	
37	21U3CSE611	PC Hardware and Trouble Shooting	~	~		1	
38	21U3CSE612	E - Learning	~	~	~	1	
39	21U4CSZ604	Practical in Android Programming with Augmented and Virtual Reality	~	~	1	√.	

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#### Programme Name: B. Sc. Computer Science (Data Science)

S.				Developm	ent Needs	
No.	Course Code	Course Name	Local	Regional	National	Global
1	21U3CKC101	Python Programming	~	~	~	~
2	21U3CJC102	Data Structures	~	~	~	~
3	21U3DTP101	Practical in Python Programming	~	~	~	~
4	21U3MKA101	Statistics for Computer Science	~	~	~	
5	21U3DTC203	Operating System		~	~	~
6	21U3DTC204	Object Oriented Programming with Java	~	~	~	~
7	21U3D TP202	Practical in JAVA Programming	~	~	~	~
8	21U3MIA202	Discrete Mathematics		~	~	
9	21U3DTC303	Introduction to Data Science	~	~	~	~
10	21U3DTC304	RDBMS and MySQL	~	~	$\checkmark$	~
11	21U3D TP305	Practical in RDBMS and MySQL	~	1	~	~
12	21U3MKA303	Linear Algebra and Basics of Calculus	~	~	~	~
13	21U4DTS301	Practical in Web Programming using PHP and MySQL	~	~	~	~
14	21U3DTC406	Data Mining	~	~	~	~
15	21U3CKC407	R Programming	~	1	~	~
16	21U3DTP407	Practical in R Programming	~	~	~	¥ .
17	21U3MKA404	Probability Distributions and Inferential Statistics	~	~	~	~
18	21U4DTS402	Practical in Internet of Things	~	~	~	
19	21U3DTC508	Machine Learning	~	~	~	~
20	21U3DTC509	Introduction to Artificial Intelligence	~	1	~	~



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s.		Construction of the second sec		Development Needs				
No.	Course Code	Course Name	Local	Regional	National	Global		
21	21U3DTC510	Data Visualization	~	~	~	~		
22	21U3DTP511	Practical in Machine Learning	~	~		~		
23	21U4DTS503	Practical in TABLEAU and MONGODB	1	~	~			
24	21U3DTE501	Soft Computing	~	1	~	~		
25	21U3DTE502	Digital Image Processing	~	1	~	~		
26	21U3CJE503	Healthcare Analytics	~	1	~	~		
27	21U3DTE504	Distributed System Concepts and Design	~	~	~	~		
28	21U3DTC613	Big Data Analytics	~	~	~	~		
29	21U3D TC614	Deep Learning	~	~	~	~		
30	21U3DTS604	Practical in Big Data Analytics	~	~	~	~		
31	21U3DTE605	Computer Networks	~	~	~	~		
32	21U3DTE606	Social and Web Media Analytics	$\checkmark$	~	$\checkmark$	~		
33	21U3CKE607	Cloud Computing	~	~	~	~		
34	21U3CKE608	Cyber Security	~	~	~	~		
35	21U3CKE609	Software Engineering	~	~	~	~		
36	21U3CKE610	Pattern Recognition	~	~	~	~		
37	21U3CKE611	Software Testing	~	~	~	~		
38	21U3CKE612	Software Project Management	~	~	~	1		

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9







#### Programme Name: B. Sc. Digital and Cyber Forensic Science

s.	0.01		Development Needs				
No.	Course Code	Course Name	Local	Regional	National	Global	
1	21U3CKC101	Python Programming	~	~	~	~	
2	21U3DTC101	Basics of Cyber Law	~	~	~		
3	21U3DTP101	Practical in Python Programming	~	~	~	~	
4	21U3DTC202	Operating Systems	~	~	~	~	
5	21U3DTC203	Information Security	~	~	1	~	
6	21U3DTC304	Java Programming	~	~	~	~	
7	21U3DTC305	Computer Networks	1	~	~	~	
8	21U3DTC508	Cloud Security	~	~	~	~	
9	21U3DTC509	Penetration & Vulnerability Testing	1	~	~	~	
10	21U3DTC612	Cyber Policing	~	~	~	~	
11	21U3DTC613	Web Application Security	~	~	~	~	
12	21U3DTP202	Operating Systems and Security Lab	~	~	~	~	
13	21U3DTP303	Practical in Computer Network	~	~	~	~	
14	21U3DTP304	Practical in Java Programming	~	~	~	~	
15	21U3DTA303	Principles of secure coding	~	~	~	~	
16	21U3DTP405	Cyber Forensic Lab	~	~	~	~	
17	21U4DTS401	Social Media Forensics	~	~	~	~	
18	21U3DTP506	Penetration & Vulnerability Testing Lab	~	~	~	~	
19	21U4DTS502	FOSS Lab	~	~	1		
20	21U3DTC614	Web App Security Lab	~	~	~	~	
21	21U3DTC406	Forensic Audio-Video Analysis and Speaker Identification	~	~	~	~	



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s.		Course Name	Development Needs				
No.	Course Code		Local	Regional	National	Global	
22	21U3DTC407	Cyber Forensic	~	~	~	~	
23	21U3DTA404	M-Commerce	~	~	~		
24	21U3DTC510	Free and Open Source Soft wares	~	~	~	~	
25	21U3DTC611	Malware Analysis and Cyber threat	1	~	~	~	
26	21U3CKE501	Blockchain Technology	~	~	~	~	
27	21U3CKE502	Next Generation Networks	~	~	~	~	
28	21U3CKE503	Industrial Internet of Things	~	~	~	~	
29	21U3CKE504	Big Data Analytics	~	~	~	~	
30	21U3CKE605	Software Quality Assurance	~	~	~	~	
31	21U3CKE606	Information Security	~	~	$\checkmark$	~	
32	21U3CKE607	Cloud Computing	~	~	~	~	
33	21U3CKE608	Cyber Security	1	~	~	~	

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#### **Programme Name: B. Sc. Information Technology**

s.		Course Name		Development Needs				
No.	Course Code		Local	Regional	National	Global		
1	21U3CKC101	Python Programming	1	~	~	~		
2	21U3CKC102	Digital Fundamentals and Computer Architecture	~	~	~	~		
3	21U3ITP101	Practical in Python Programming	~	~	~	~		
4	21U3MIA101	Mathematics for Computer Science		1	~			
5	21U3CKC203	Java Programming	~	~	~	~		
6	21U3CKC204	Data Structures	~	~	~	~		
7	21U3ITP202	Practical in Java Programming	~	~	~	~		
8	21U3MIA202	Discrete Mathematics		~	~			
9	21U3CKC305	Operating Systems	~	~	~	~		
10	21U3ITC306	Robotics	~	~	~	~		
11	21U3ITP303	Practical in Operating System	~	1	~	~		
12	21U3MIA303	Operations Research		~	~	~		
13	21U4ITZ301	Practical in Multimedia and	~	~	~	~		
14	21U3ITC404	Software Engineering	~	~	~	~		
15	21U3ITP405	Practical in Software Engineering	~	~	~	~		
16	21U3ITA404	System Hardware and Troubleshooting	~	~	~	~		
17	21U4ITZ402	Practical in System Hardware and Troubleshooting	1	1	1	~		
18	21U3CKC509	RDBMS & ORACLE	~	~	~	~		
19	21U3ITC506	Programming in VB.NET	1	1	~	~		
20	21U3ITP507	Practical in VB.Net and Oracle Programming	~	~	1	~		





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s.		Course Name	Development Needs				
No.	Course Code		Local	Regional	National	Global	
21	21U3ITP508	Practical in Web Technology	1	~	~	~	
22	21U3CKE501	Block Chain Technology	~	~	1	~	
23	21U3CKE502	Next Generation Networks	~	~	~	~	
24	21U3CKE503	Industrial Internet of Things	~	~	~	~	
25	21U3CKE504	Big Data Analytics	~	~	~	~	
26	21U4JTS503	Artificial Intelligence	~	~	~	~	
27	21U3CKC611	Data Mining	~	~	~	~	
28	21U3CKE605	Software Quality Assurance	~	~	~	~	
29	21U3CKE606	Information Security	~	~	~	~	
30	21U3CKE607	Cloud Computing	1.	~	~	~	
31	21U3CKE608	Cyber Security	~	~	~	~	
32	21U3ITE609	Digital Marketing	~	1	~	~	
33	21U3ITE610	Applied Cryptography		~	~	~	
34	21U3ITE611	Bioinformatics	~	~	~	~	
35	21U3ITE612	Open Source Software	~	1	1	~	
36	21U3ITZ604	Practical in Kotlin	~	~	~	1	

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#### Programme Name: B. Sc Artificial Intelligence and Machine Learning

	Course Code	Course Name	Development Needs				
S. No.			Global	National	Regional	Local	
1	21U3CKC101	Core Paper I: Python Programming	~				
2	21U3CJC102	Core Paper II: Data Structures	~				
3	21U3AMP101	Core Paper III: Practical in Python Programming	~				
4	21103AMC202	Core Paper V: Artificial Intelligence and Machine Learning Fundamentals	~				
5	21U3CKC203	Core Paper IV: Java Programming	~				
6	21U3AMP203	Core Paper VI: Practical in JAVA Programming	~				
7	21U3CKC305	Core Paper VII: Operating System	~				
8	21U3CKC306	Core Paper VIII: Computer Networks	~				
9	21U3AMP304	Core Paper IX: Practical in Computer Networks	~				
10	21U3AMC405	Core Paper X: Artificial Intelligence and Knowledge Representation	~				
11	21U3AMC406	Core Paper XI: Machine Learning Technique	~				
12	21U3AMC407	Core Paper XII: Introduction to Data Science	~				
13	21U3AMP408	Core Paper XIII: Practical in Machine Learning	~				
14	21U3AMC509	Core Paper XIV: Natural Language Processing	~				
15	21U3AMC510	Core Paper XV: R Programming	$\checkmark$				
16	21U3AMC511	Core Paper XVI: Cloud Computing	~				
17	21U3AMP512	Core Paper XVII: Practical in Natural Language Processing	~				
18	21U3AME501	Fundamentals of Robotics	$\checkmark$				
19	21U3AME502	Data Mining Techniques	~				
20	21U3CJE503	Healthcare Analytics	~				
21	21U3CKE504	Big Data Analytics	~				

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	Course Code	Course Name	Development Needs			
S. No.			Global	National	Regional	Local
22	21U4AMZ503	Skill Based Paper III: Practical in R Programming	~			
23	21U3AMC614	Core Paper XVIII: Deep Learning	~			
24	21U3AMC615	Core Paper XIX: Internet of Things	~			
25	21U3AMP616	Core Paper XX: Practical in Internet of Things	~			
26	214J3AME605	Ethical Hacking	~			
27	211U3AME606	Introduction to Neural Networks and Fuzzy Logic	~			
28	21U3AME607	Information Security	$\checkmark$			
29	21U3CKE608	Cyber Security	~			
30	21U3CKE609	Software Engineering	~			
31	21U3CKE610	Pattern Recognition	~			
32	21U3CKE611	Software Testing	~			-
33	21U3CKE612	Software Project Management	$\checkmark$			
34	21U3AMZ604	Skill Based Paper IV: Practical in Deep Learning	~			

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## **School of Creative Sciences**





#### **Programme Name: B. Sc. Catering Science and Hotel Management**

		ourse Code Course Name	Development Needs				
	Course Coue		Local	Regional	National	Global	
1	21U3CHC101	Food Production - I			~		
2	21U3CHC102	Food and Beverage Service I		~	~		
3	21U3CHP103	Food Production - I Practical		~	~		
4	21U3CHP104	Food and Beverage Service I Practical		~	~		
5	21U3CHA101	Accommodation Operations I		~	~		
6	21U3CHC205	Food Production - II		~	~	~	
7	21U3CHC206	Food and Beverage Service II		~	~		
8	21U3CHP207	Food Production - II Practical		~	~	-	
9	21U3CHP208	Food and Beverage Service II Practical		~	~		
10	21U3CHA202	Accommodation Operations II		~	~		
11	21U3CHR203	Accommodation Operations Practical		~	~		
12	21U3CHC309	Food Production – III		~	~		
13	21U3CHC310	Food and Beverage Service III			. ✓	~	
14	21U3CHC311	Front Office Operations - I		~	~	~	
15	21U3CHP312	Food Production - III Practical		~	~		
16	21U3CHP313	Food and Beverage Service III Practical		~	~	~	
17	21U3CHR304	Computer Applications in Hotel Industry Practical		~	~	~	
18	21U4CHS301	Bakery and Confectionery I	~	~	~	~	
19	21U4CHZ302	Bakery and Confectionery I Practical	~	~	~	~	
20	21U3CHC414	Food Production - IV				~	
21	21U3CHC415	Food and Beverage Service IV		~	~	~	



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		Course Name	Development Needs				
	Course Code		Local	Regional	National	Global	
22	21U3CHC416	Front Office Operations II			~	~	
23	21U3CHP417	Food Production - IV Practical				~	
24	21U3CHP418	Food and Beverage Service IV Practical		$\checkmark$	$\checkmark$	~	
25	21U3CHP419	Front Office Operations Practical			~	~	
26	21U3CHA405	Hotel Accounting		~	~		
27	21U3CHE401	Food and Nutrition		~	~		
28	21U3CHE402	Food Safety and Hygiene		~	$\checkmark$		
29	21U3CHE403	Industrial Catering Operations		~	~		
30	21U4CHZ403	Bakery and Confectionery II Practical		~	~	~	
31	21U3CHV501	Industrial Exposure training Report	~	~	$\checkmark$	~	
32	21U3CHC620	Food Production - VI				~	
33	21U3CHC621	Food and Beverage Service VI		~	$\checkmark$	~	
34	21U3CHP622	Food Production - VI Practical			~	~	
35	21U3CHP623	Food and Beverage Service VI Practical			$\checkmark$	~	
36	21U3CHE604	Fast Food Operations		× .	~	~	
37	21U3CHE605	Room Division Management		~	$\checkmark$	~	
38	21U3CHE606	Catering Management	$\checkmark$	~	~	~	
39	21U3CHE607	Food Service and Facility Planning		~	~		
40	21U3CHE608	Event Management		~	$\checkmark$		
41	21U3CHE609	Travel and Tourism Management	~	~	$\checkmark$	~	
42	21U4CHZ604	Mixology Practical		~	$\checkmark$	~	
43	21U4CH3ED1	Basics of Indian Cookery Practical		~	~		
44	21U4CH3ED2	Basics of Chinese Cookery Practical				~	



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#### Programme Name: B. Sc. Costume Design and Fashion

s.	Course Code	Course Name	Development Needs				
No.	Course Coue		Local	Regional	National	Global	
1	21U3CDC101	Pattern Making Essentials	~	~	~	~	
2	21U3CDC102	Textile Science			~	~	
3	21U3CDP103	Apparel Designing Practical	~	~	~		
4	21U3CDR101	Fashion Illustration and Design Practical	~	~	~	~	
5	21U3CDC204	Fashion Designing	~	~	~	~	
6	21U3CDP205	Surface Enrichment Practical	~	~	~		
7	21U3CDP206	Children's Apparel Practical	$\checkmark$	~	~	~	
8	21U3CDA202	Garment Production Machineries	~	~	~	~	
9	21U3CDC307	Textile Processing	~	1	~		
10	21U3CDC308	Woven and Nonwovens	~	~	~	~	
11	21U3CDC309	Traditional Costumes and Textiles of India	~	~	~		
12	21U3CDP310	Women's Apparel Practical	~	~	~	~	
13	21U3CDR303	Advanced Fashion Sketching Practical		~	~	~	
14	21U4CDZ301	Basic Draping Practical	~	~	~	~	
15	21U3CDC411	Knitting Technology		~	~	~	
16	21U3CDC412	Textile Dyeing and Printing	~	~	~	~	
17	21U3CDP413	Men's Apparel Practical	~	~	~	~	
18	21U3CDP414	Textile Testing and Fabric Analysis Practical		~	~	√.	
19	21U3CDP415	Textile Dyeing and Printing Practical	~	~	~	~	
20	21U3CDA404	Organization of Garment Unit	~	~	~	~	
21	21U4CDZ402	Computer Aided Designing I Practical	~	1	~	. ~	



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s.	Course Code	Course Name	Development Needs				
No.			Local	Regional	National	Global	
22	21U3CDC516	Technical Textiles		~	~	~	
23	21U3CDC517	Apparel Quality Control		~	~	~	
24	21U3CDC518	Fashion Marketing and Merchandising	~	~	~	~	
25	21U3CDP519	Home Textiles Practical	~	1	~	~	
26	21U3CDP520	Fashion Portfolio Presentation	~	~	~	~	
27	21U3CDE501	Fashion Photography	~	~	~	~	
28	21U3CDE502	Fashion Communication		~	~		
29	21U3CDE503	Export Marketing and Documentation		. 1	~	~	
30	21U4CD Z503	Computer Aided Designing II Practical	~	1	~	~	
31	21U3CDC621	Visual Merchandising and Display	~	~	~	~	
32	21U3CDV622	Project and Viva Voce	~	1	~		
33	21U3CDY604	Fashion Accessory Designing Practical	~	~	~		
34	21U3CDY605	Fabric Craft Practical	~	~	1	~	
35	21U3CDY606	Traditional Painting Practical	~	~	~		
36	21U3CDE607	Research Methodology and Statistics	~	~	. 1	~	
37	21U3CDE608	Color Forecasting		~	~		
38	21U3CDE609	Event Management	1	~	~	~	
39	21U4CDS604	Fabric Care	~	~	1	~	

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#### Programme Name: B. Sc. Visual Communication (Electronic Media)

S.	Course Code	Course Name	Development Needs				
No.			Local	Regional	National	Global	
1	21U3VCP101	Fine Arts Production Practical	~	~	~	~	
2	21U3VCA101	Fundamentals of Multimedia	~	~		1	
3	21U3VCC101	Introduction to Communication	~	~	~	$\checkmark$	
4	21U3VCC102	Evolution of Media	~	~	~		
5	21U3VCC204	Fundamentals of Advertising	~	~	~	~	
6	21U3VCP205	Advertising Practical	1	~	~	$\checkmark$	
7	21U3VCA202	Creative Writing for Media	~	1	~		
8	21U3VCC306	Audiography	~	~	~	× .	
9	21U3VCP408	Photography Practical	~	~	~	~	
10	21U3VCR303	Audio Production Practical	~	~	~	~	
11	21U4VCS301	News Reporting	~	~	~	~	
12	21U3VCC407	Elements of Film and Video Production	1	~	1		
13	21U3VCR404	Television Production Practical	~	~	~	~	
14	21U4VCS402	Media Management	~	~	~		
15	21U3VCC509	Media, Culture and Society	~	~	~	~	
16	21U3VCC510	Media Law And Ethics	~	~	~		
17	21U3VCP511	Video Production Practical	~	~	~	~	
18	21U3VCE501	Comparative Media Studies	~	~	~	~	
19	21U3VCE502	Script Writing	~	~	~	~	



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S.	Course Code	Course Name	Development Needs				
No.			Local	Regional	National	Global	
20	21U3VCE503	ICT For Development	~	1	~	~	
21	21U3VCE504	Online Journalism	~	~	~	~	
22	21U3VCE505	Media Planning	~	~	~	~	
23	21U3VCE506	Documentary Production	~	~	~	~	
24	21U3VCE607	Graphic Designing	~	~	~		
25	21U3VCE608	Campaign Planning	~	~	~	Ш.,	
26	21U3VCE609	Community Media	~	~	~		
27	21U4VCS503	Media Research Techniques	~	~	~		
28	21U3VCC612	Film Studies	~	. ✓	~		
29	21U3VCP613	E-Portfolio Practical	~	~	~	~	
30	21U3VCV614	Film Project and Viva Voce	~	~	~		
31	21U4VCZ604	Graphics and Animation Practical	~	~	~	~	

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# **School of Liberal Arts**







## Programme Name: B. A. English Literature

s.			Development Needs				
No.	Course Code	Course Name	Local	Regional	National	Global	
1	21U2ENG101	English – I		~	~	1	
2	21U3ENC101	Prose – I		~	~	1	
3	21U3ENC102	Fiction – I		~	~	~	
4	21U3ENA101	Social History of England			~	~	
5	20U3ENR102	Social History of England –Practical			1	~	
6	21U2ENG202	English – II		~	~	~	
7	21U3ENC203	Poetry – I		~	~	~	
8	21U3ENC204	Drama – I		~	~	~	
9	21U3ENA203	History of English Literature			1	1	
10	21U3ENR204	History of English Literature- Practical			~	~	
11	21U2ENG303	English – III		~	1	~	
12	21U3ENC305	Prose – II		~	~	1	
13	21U3ENC306	Fiction-II		1	1	1	
14	21U3ENA305	Literary Forms		~		~	
15	21U4ENS301	Personality Development		~	1	1	
16	21U4EN3ED1	Public Speaking		~	~	~	
17	21U4EN3ED2	Academic Writing		~	~	~	
18	21U2ENG404	English – IV		~	~	~	
19	21U3ENC407	Poetry-II		~	1	~	
20	21U3ENC408	Phonetics	~	1	~	~	
21	21U3ENA406	Literary Criticism			~	~	





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S.	Course Code	Course Name	Development Needs				
No.	Course Code	Course Name	Local	Regional	National	Global	
22	21U3ENS402	English For Competitive Examinations	~	~	1	~	
23	21U3ENC509	Drama – II	~	~	1	~	
24	21U3ENC510	Shakespeare	-	~	~		
25	21U3ENC511	Indian English Literature	~	~	~		
26	21U3ENC512	Mass Communication	~	~	~	1	
27	21U3ENE501	Creative Writing	~	~	~	~	
28	21U3ENE502	English For Employability	~	~	$\checkmark$	~	
29	21U3ENE503	Journalism	~	~	~	~	
30	21U4ENS503	Translation Theory and Practice	√.	~	~	~	
31	21U3ENC613	Introduction to Linguistics		~	× .	~	
32	21U3ENC614	New Literatures in English		~	~	1	
33	21U3ENC615	American Literature			~	~	
34	21U3ENE604	Introduction To Lexicography			~	~	
35	21U3ENE605	English For Everyday Use	~	~	~	~	
36	21U3ENE606	Effective Business Communication		~	~	~	
37	21U3ENE607	Media Studies		~	~	~	
38	21U3ENE608	Language Through Literature		~	~	~	
39	21U3ENE609	Introduction To Travel Writing	~	~	~	~	
40	21U4ENS604	Verbal Aptitude		~	~	~	

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#### Programme Name: M. A. English

				Development Needs				
S. No.	Course Code	Course Name	Global	National	Regional	Local		
1	21PGENC101	British Literature – I	~	~				
2	21PGENC102	American Literature	1					
3	21PGENC103	Shakespeare	1	~		~		
4	21PGENC104	Grammar for Communication	~	~	~	$\checkmark$		
5	21PGENC105	An Introduction To General Linguistics And Phonetics		~	~			
6	21PGENE101	English For Specific Purpose		$\checkmark$	$\checkmark$	$\checkmark$		
7	21PGENE 102	Victorian Fiction	1					
8	21PGENE 103	Survey of English Literature And Language- I	1.		~	~		
9	21PGENC206	The Romantic Age	~	~		~		
10	21PGENC207	British Literature- Ii (Victorian To Modern)	~					
11	21PGENC208	Twentieth Century Literature	~	~				
12	21PGENC209	Indian English Literature		~		. 1		
13	21PGENC210	History of English Language	$\checkmark$		~	$\checkmark$		
14	21PGENE201	Technology Mediated English		~				
15	21PGENE202	Literature and Environment	1	~	~	~		
16	21PGENE203	Survey of English Literature And Language- Ii	~					
18	21PGENC311	English Language Teaching	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
19	21PGENC312	Women's Writing In English	V		~			
20	21PGENC313	Cultural Studies & Media	$\checkmark$	~	~	$\checkmark$		
21	21PGENC314	Literary Theory	~					
22	21PGENC315	Research Methodology	$\checkmark$					
23	21PGENE301	Business English	~	~				
24	21PGENE302	Academic Writing		~	~			



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s.	Course Code	Course Name	Development Needs				
No.	A DECEMBER OF A		Global	National	Regional	Local	
25	21PGENE303	Translation Practice	~		-		
26	20PGENC416	Children's Literature	1				
27	21PGENC417	Post- Colonial Studies	~	~			
28	21PGENE401	Disability Studies	1				
29	21PGENE402	Postcolonial Travelogue	~				
30	21PGENE403	Fourth World Literature	1				
31	21PGENV401	Project and Viva Voce		~			
32	21PGENSS01	Science Fiction	~				
33	21PGENSS02	Diasporic Literature	~				
34	21PGENSS03	English Literature for Competitive Examinations		~	-		
35	21PGENSS04	Introduction to E-Publishing- Copyediting	~				

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# Programme Name: Master of Social Work (M. S. W)

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	Course Code	Course Name	Development Needs				
S. No.			Local	Regional	National	Global	
1.	21PGSWC101	Foundations of Social Work	~	~	~	~	
2.	21PGSWC102	Indian Social System	~	~	~		
3.	21PGSWC103	Basics of Psychology for Social Work Practice	~	1	~	~	
4.	21PGSWC104	Social Work Practice with Individuals	~	1	~	~	
5.	21PGSWC205	Social Work with Groups	× .	~	~	~	
6.	21PGSWC206	Social Work with Communities and Social Action	~	~	~	~	
7.	21PGSWC207	Social Welfare Programmes and Social Legislation	~	1	~		
8.	21PGSWS201	Labour Welfare and Labour Legislation -I	~	~	~	~	
9.	21PGSWS202	Public Health and Medical Social Work	~	~	~	~	
10.	21PGSWS203	Rural Community Development	~				
11.	21PGSWC308	Research Methodology for Social Work	~	~	~		
12.	21PGSWS304	Labour Welfare and Labour Legislation -II	1	~	~		
13.	21PGSWS305	Basics of Hospital Management	~	. 1	1	~	
14.	21PGSWS306	Urban Community Development	~				
15.	21PGSWS307	Industrial Relations	~	~	~		



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s.	Course Code	Course Name		Developm	ent Needs	
No.			Local	Regional	National	Global
16.	21PGSWS308	Introduction to Psychiatry for Social Work	~	~	~	~
17.	21PGSWS309	Welfare of Weaker Section	~	~	~	
18.	21PGSWS410	Human Resource Management	~	~	~	~
19.	21PGSWS411	Foundation of Psychiatry for Social Work	~	~	~	~
20.	21PGSWS412	Social Development	~			-
21.	21PGSWS413	Organizational Behaviour	~	~	~	~
22.	21PGSWS414	Psychiatric Social Work Practice	~	1	~	~
23.	21PGSWS415	Management of Non-Profit Organisation	~	~	~	~
24.	21PGSWE101	Social Work Perspective for person with Disabilities	~	~	~	~
25.	21PGSW E102	Disaster Management	~	~	~	~
26.	21PGSWE103	Indian Legal System	~	~	1	
27.	21PGSWE201	Human Rights and Social Legislation	~	~	~	
28.	21PGSWE202	Digital Literacy	~	~	1	
29.	21PGSWE203	Geriatric Social Work	~	~	1	~
30.	21PGSWE301	Social Entrepreneurship and Corporate Social Responsibility	1	~	1	
31.	21PGSWE302	Entrepreneurship and Innovations	~	~	~	





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S. No.	Course Code	Course Name	Development Needs				
			Local	Regional	National	Globa	
32.	21PGSWE303	Social Work with Transgender	~	~	~	1	
33.	21PGSWE401	Counselling and Guidance	~	~	1		
34.	21PGSWE402	Legal Aspects of Business	~	~	~		
35.	21PGSWE403	Social Inclusion and Exclusion	✓.				





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# **School of Life Sciences**

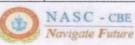






#### Programme Name: B. Sc. Biochemistry with Nanotechnology

S. No.	6 6 1		Development Needs				
5. NO.	Course Code	Course Name	Local	Regional	National	Global	
1	21U3BNC101	Biomolecules			~	~	
2	21U3BNC102	Cell Biology	~			~	
3	21U3BNA101	Biochemical Techniques			~	~	
4	21U3BNC203	Introduction to Nanoscience			~	~	
5	21U3BNP204	Biochemistry Practical- I		~	~		
6	21U3BNA202	Essentials of Basic Microbiology			~		
7	21U3BNR203	Microbiology Practical	~		~		
8	21U3BNC305	Enzymology and its Applications		~	~	~	
9	21U3BNA304	Biostatistics			~		
10	21U4BNS301	Bioinformatics			~		
11	21U4BN3ED1/	Basics of Nutrition	~	~			
12	21U4BN3ED2	Herbal Remedies	~	~			
13	21U3BNC406	Intermediary Metabolism			~	1	
14	21U3BNP407	Biochemistry Practical-II		~	~		
15	21U3BNA405	Basics of Computer Science	~				
16	21U3BNR406	Basic Computer Science Practical's	~				
17	21U4BNS402	Biophysics			~		
19	21U3BNC508	Human Physiology			~	· · ·	
20	21U3BNC509	Clinical Biochemistry			~		
21	21U3BNC510	Nano Biotechnology			~		
22	21U3BNC511	Plant Biochemistry	~	~			



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S. No.	Course Code	Course Name	Development Needs				
5. 140.	Course Coue	Course Maine	Local	Regional	National	Global	
23	21U3BNE501	Immunology	~	~	× .		
24	21U3BNE502	Pharmaceutical Biochemistry	~	~	~	~	
25	21U3BNE503	Nutritional Biochemistry			~		
26	21U4BNS503	Genomics and Proteomics				~	
27	21U3BNC612	Molecular Biology			~	1	
28	21U3BNC613	Biomedical Applications of Nanotechnology			~		
29	21U3BNP614	Biochemistry Practical-III			~		
30	21U3BNP615	Biochemistry Practical -IV			~		
31	21U3BNE 604	Plant and Animal Biotechnology			~		
32	21U3BNE605	Genetic Engineering				~	
33	21U3BNE 606	Plant based therapeutics	~	~	~		
34	21U3BNE 607	Diagnostic Biochemistry	~		~	~	
35	21U3BNE 608	Sports Biochemistry	~		~		
36	21U3BNE 609	Public health and hygiene	~		~		
37	21U4BNZ604	Bioinformatics Practical		~	~		

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#### **Programme Name: B. Sc. Biotechnology**

s.	0		Development Needs				
No.	Course Code	Course Name	Local	Regional	National	Global	
1	21U3BTC101	Cell Biology and Histology	~	~	~	~	
2	21U3BTC102	Bio techniques and Instrumentation	~	~	~	~	
3	21U3BTP204	Bio techniques and Microbiology Practical	~	~	~	~	
4	21U3BTA101	Chemistry–I	~	~	~	~	
5	21U3BTR203	Chemistry Practical	~	~	~	~	
6	21U4ENV101	Environmental Studies	~	~	~	~	
7	21U4HVY201	Human Values and Yoga Practice–I	~	~	~	~	
8	21U3BTC203	Fundamentals of Microbiology	~	~	~	~	
9	21U3BTA202	Chemistry–II	~	~	~	~	
11	21U3BTC305	Biochemistry and Metabolism		~	~	~	
12	21U3BTA304	Programming in C	~	~	~	~	
13	21U3BTR406	C Programming Practical	~	~	~	~	
14	21U4BTS301	Human Physiology and Disorders	~	~	× .	~	
16	21U3BTC406	Biosafety and IPR		~	~	~	
17	21U3BTP407	Biochemistry and Human Physiology Practical	~	~	~	~	
18	21U3BTA405		~	~	~	~	
19	1/11/481840/	Bioinformatics and Computational Biology		~	~	~	
20		Microbial Biotechnology	~	~	~	~	
21	21U3BTC509	Immunology	~	~	~	~	
22	21U3BTC510	Recombinant DNA Technology	-	~	~	~	
23		Microbial, Plant & Animal Biotechnology Practical	~	~	~	1	



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s.	Course Code	Course Name		Development Needs				
No.			Local	Regional	National	Global		
24	21U3BTP614	Immunology and rDNA Technology Practical	~	~	~	~		
25	21U4BTS503	Molecular Biology		~	~	~		
26	21U3BTE501	Biotechnology and Food Safety	1	~	~	~		
27	21U3BTE502	Medical Biotechnology	~	~	~	$\checkmark$		
28	21U3BTE503	Agricultural Biotechnology	~	~	~	~		
29	21U3BTC611	Plant Biotechnology	~	~	~	~		
31	21U3BTC612	Animal Biotechnology	~	1	~	~		
32	21U3BTE604	Food Processing Technology	~	~	~	~		
33	21U3BTE605	Molecular Modelling and Drug Design		~	~	~		
34	21U3BTE606	Bioremediation	~	~	~	~		
35	21U3BTE607	Quality Control and Assurance	~	~	~			
36	21U3BTE608	Stem Cell Research			~	~		
37	21U3BTE609	Nanoscience and Technology		~	~	~		
38	21U4BTS604	Pharmacology			~	~		

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### **Programme Name: B. Sc. Food Science and Nutrition**

S. No.	Course Code	Course Name	Development Needs			
	e our se coure	Conservanc	Local	Regional	National	Globa
1	21U3FSC101	Basic Food Science	~	~	~	~
2	21U3FSC102	Food Chemistry			~	~
3	21U3FSP103	Basic Food science (Practical)	~		~	
4	21U3FSA101	Chemistry -I		~		
5	21U3FSC204	Human Physiology			~	
6	21U3FSC205	Principles of Nutrition			~	
7	21U3FSP206	Principles of Nutrition (Practical)	~	~		
8	21U3FSA202	Chemistry -II		~		
9	21U3FSC307	Nutrition in Health				~
10	21U3FSP308	Family Meal Management (Practical)	~		~	
11	21U3FSA303	Biochemistry-I		~		40
12	21U4FSS301	Techniques of Food Evaluation	~		~	
13	21U4FS3ED1	Extra Departmental Course Diet and Health	1	~		
14	21U3FSC409	Clinical Nutrition and Dietetics -I				~
15	21U3FSC410	Bakery and Confectionery	~	~		
16	21U3FSA404	Biochemistry -II		~		1
17	21U4FSS402	Bakery and Confectionery (Practical)	~		~	
18	21U3FSC511	Post-Harvest Technology and Food Preservation			~	
19		Public Health and Nutrition	~		~	
20	21U3FSC513	Clinical Nutrition and Dietetics -II				~
21		Fundamentals of Food Microbiology			¥ .	-



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S. No.	Course Code	Course Name	Development Needs				
		Course Maine	Local	Regional	National	Global	
22	21U3FSP515	Dietetics (Practical)	~		~		
23	21U3FSE501	Food Quality, Hygiene and Sanitation				~	
24	21U3FSE502	Food Laws and Standards			~	~	
25	21U3FSE503	Food Additives			~		
26	21U3FSC616	Food Biotechnology			~		
27	21U3FSC617	Nutraceuticals and nutrigenomics				~	
28	21U3FSC618	Food Quality Analysis Techniques			~		
29	21U3FSP619	Food Preservation and Quality Analysis (Practical)			~		
30	21U3FSE604	Nutrition for Health & Fitness			1		
31	21U3FSE605	Nutrition Education and Counselling	~	~	~		
32	21U3FSE606	Food Service Management		~			
33	21U3FSE607	Food Packaging and Labelling			~		
34	21U3FSE608	Unit Operations			~		
35	21U3FSE609	Technology of Plantation Crops and Spices		~			
36	21114FSS604	Computer Application in Food Science and Nutrition (Practical)	~		~		

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#### **Programme Name: B. Sc. Microbiology**

s.	Course Code	Course Name	Development Needs				
No.			Local	Regiona 1	National	Global	
1	21U3MBC101	Fundamentals of Microbiology	~	~			
2	21U3MBC102	Cell Biology	. ✓	~			
3	21U3MBP204	Lab in Fundamentals of Microbiology & Cell Biology	~	~	~	~	
4	21U3BYA101	Biochemistry I	~	~	•		
5	21U3BYP203	Lab in Biochemistry Practical	~	~	~	~	
6	21U3MBC203	Microbial Diversity	~	~			
7	21U3MBP204	Lab in Fundamentals of Microbiology & Cell Biology	~	~	~	~	
8	21U3BYA202	Biochemistry II	~	~			
9	21U3BYP203	Lab in Biochemistry Practical	~	~	~	~	
10	21U3MBC305	Microbial Physiology and Metabolism	~	1	~	~	
11	21U3MBP407	Lab in Microbial Physiology, Genetics and Molecular Biology	~	~	~	~	
12	21U4MBS301	Fundamentals of Bioinformatics	~	~			
13	21U4MB3ED1	Mushroom Cultivation Technology	~	~	~	~	
14	21U4MB3ED2	Vermi-Technology	$\checkmark$	~	~	~	
16	21U3MBC406	Microbial Genetics and Molecular Biology	~	1	~	~	
17	21U3MBP407	Lab in Microbial Physiology, Genetics and Molecular Biology	~	~			
18	21U4MBS402	Biofertilizers and Bio pesticides	~	$\checkmark$	~	~	



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S.	Course Code	Course Name	Development Needs				
No.			Local	Regiona 1	National	Globa	
19	21U3MBC508	Environment and Agricultural Microbiology	~	~	~	~	
20	21U3MBC509	Industrial Microbiology	~	~	~	~	
21	21U3MBC510	Medical Microbiology and Immunology	1	~	×	~	
22	21U3MBP613	Lab in Environmental, Agricultural and Food Microbiology	~	~	~	~	
23	21U3MBP614	Lab in Industrial, Medical Microbiology and Immunology	~	~			
24	21U3MBE501	Microbial Biotechnology	√.	~	~	~	
25	21U3MBE502	Soil Microbiology	~	1	~	~	
26	21U3MBE503	Advances in Microbiology	~	~			
27	21U4MBS503	Management of Human Microbial Diseases	~	~	~	~	
28	21U3MBC611	Recombinant DNA Technology	~	~	~	~	
29	21U3MBC612	Food and Diary Microbiology	~	~	~	1	
30	21U3MBP613	Lab in Environmental, Agricultural and Food Microbiology	~	~	~	~	
31	21U3MBP614	Lab in Industrial, Immunology and Medical Microbiology	~	~	~	~	
32	21U3MBE604	Biosafety and Intellectual Property Rights (IPR)	~	~	~	~	
33	21U3MBE605	Plant Pathology	~	~	1	~	
34	21U3MBE606	Microbial Quality Control in Food and Pharmaceutical Industries	1	~	~	~	
35	21U3MBE607	Nano Biotechnology	~	~	~	1	
36	21U3MBE608	Microbiology and Entrepreneurship	~	~	1	1	



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S.	Course Code	Course Name	Development Needs				
No.			Local	Regiona I	National	Global	
37	21U3MBE609	Microbial Diagnosis in Health Clinics	1	1	~	~	
38	21U4MBZ604	Lab in rDNA Technology	~	~			

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#### Programme Name: M. Sc. Biotechnology

S.	Course Code	Course Name	Development Needs				
No	Course Coue	Course Name	Local	Regional	National	Global	
1	21PGBTC101	Molecular Biology			~	~	
2	21PGBTC102	Biochemistry	1	~	~	~	
3	21PGBTC103	Microbiology	~	~	~	~	
4	21PGBTC104	Bioinstrumentation and Biostatistics	~	~	~		
5	21PGBTE101	Environmental Biotechnology	~	~	~	~	
6	21PGBTE102	Bio entrepreneurship	~	1			
7	21PGBTE103	Research Methodology			~	~	
8	21PGBTC205	Plant Biotechnology			~	~	
9	21PGBTC206	Genetic Engineering			~	~	
10	21PGBTC207	Industrial Biotechnology			~	~	
11	21PGBTC208	Bioethics, Biosafety and IPR	~	~	~	~	
12	21PGBTQ201	Biochemistry and Industrial Biotechnology	~	1	~		
13	21PGBTQ202	Microbiology And rDNA Technology	~	√	~		
14	21PGBTE201	Agricultural Biotechnology			~	~	
15	21PGBTE202	Downstream Processing			~	~	
16	21PGBTE203	Applied Biostatistics			~	~	
17	21PGBTC309	Immunology and Immunotechnology	~	~	~	~	
18	21PGBTC310	Animal Biotechnology			~	. 1	
19	21PGBTC311	Pharmaceutical Biotechnology		~	~	~	
20	21PGBTC312	Bioinformatics and System Biology			1	~	
21	21PGBTQ403	Plant and Animal Biotechnology		A A	¥ .	~	



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S.	Course Code	Course Name	Development Needs				
No	Course cour		Local	Regional	National	Global	
22	21PGBTQ404	Immunology and Pharmaceutical Biotechnology	~	~	1	~	
23	21PGBTE301	Food Biotechnology		~	1	~	
24	21PGBTE302	Quality Control and Assurance	~	~	~		
25	21PGBTE303	Bioinformatics and Molecular Biology Databases		643 C	~	~	
26	21PGBTE401	Clinical Pathology and Diagnosis	~	~	~	~	
27	21PGBTE402	Occupational Health and Industrial Safety	~	~	~	~	
28	21PGBTE403	Drug Designing and Molecular Modelling			~	1	

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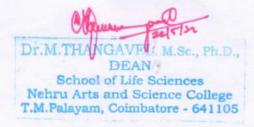




### **Programme Name: M. Sc. Food Science and Nutrition**

			Development Needs					
. No.	Course Code	Course Name	Local	Regional	National	Global		
1	21PGFNC101	Advanced Food Science	~	1	~	~		
2	21PGFNC102	Nutrition Through Life Cycle				~		
3	21PGFNC103	Nutritional Biochemistry			~			
4	21PGFN€104	Nutrition in Disease –I				1		
5	21PGFNE101	Convenience Foods	~		~			
6	21PGFNE102	Institutional Food Management	~	~				
7	21PGFNE103	Food Commodities		1				
8	21PGFNQ101	Food Analysis Practical			~			
9	21PGFNC205	Food Processing and Preservation Techniques			~			
10	21PGFNC206					~		
11	21PGFNC207	Physiological Aspects of Nutrition				~		
12	21PGFNC208	Nutrition in Disease-II				~		
13	21PGFNE201	Food Packaging			~			
14	21PGFNE202	Food Production and Agriculture	~	~				
15	21PGFNE203	Instrumentation in Food Processing	~	~				
16	21PGFNQ202	Food Processing and Preservation Techniques	~		~			
17	21PGFNC309					~		
18	19PGFNC310	Community Nutrition	~		~			
19	21PGFNC311	Nutraceuticals and Functional Foods				~		
20	21PGFNC312	Research Methodology and Statistics			1			







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		Course Name	Development Needs					
S. No.	Course Code		Local	Regional	National	Global		
21	21PGFNQ303	Dietetics	~		~			
22	21PGFNE301/	Food Quality Safety and Analysis				1		
23	21PGFNE302/	Culinary Techniques	~		~			
24	21PGFNE303	Food Product Development and Marketing	1		~			
25	21PGFNC413	Food Microbiology			~	d		
26	21PGFNY401	Food Quality Control Practical			~			
27	21PGFNY402	Food Service Management Practical	~	~				
28	21PGFNE403	Food Industrial Waste Management	~	1				

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### Programme Name: M. Sc. Microbiology

			Development Needs				
5. No.	Course Code	Course Name	Local	Regional	National	Global	
1	21PGMBC101	Basics of Microbiology and General Bacteriology	~	~			
2	21PGMBC102	Microbial Physiology and Biochemistry	~	1	~	~	
3	21PGMBC103	Analytical Methods in Microbiology	~	~	~	~	
4	21PGMBC104	Virology and Mycology	~	~	1	~	
5	21PGMBE101	Principles of Quality Assurance in Food	~	~	1	~	
6	21PGMBE102	Diagnostic Mycology	. 1	~	~	~	
7	21PGMBE103	Fundamentals of Plant tissue Culture	~	~	~	~	
8	21PGMBQ101	Lab in General and Analytical Microbiology	~				
9	21PGMBC205	Microbial Genetics and Molecular Biology	. 1	~	1	~	
10	21PGMBC206	Immunology	~	~	1	~	
11	21PGMBC207	Computational Biology, Microbial Genomics and Proteomics	~	~	~	~	
12	21PGMBC208	Bioprocess Technology	~	~	. 1	~	
13	21PGMBE201	Principles of Quality Assurance in Pharmaceuticals	~	1	1	~	
14	21PGMBE202	Techniques in Parasitology	1	~	~	~	
15	21PGMBE203	Fundamentals of Animal tissue Culture	~	1	~	~	
16	21PGMBQ202	Lab in Molecular Biology and Immunology	~	~			
17	21PGMBC309	Environmental and Agricultural Microbiology	~	1	1	~	
18	21PGMBC310	Microbial Biotechnology and IPR	1	~	1	~	
19	21PGMBC312	Microbial Food Technology	~	~	1	1	
20	21PGMBQ303	Lab in Environment, Agriculture and Food Microbiology	~	1			
21	21PGMBE301	Total Quality Management	~	1	1	1	



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	Course Code	Course Name	Development Needs				
S. No.			Local	Regional	National	Global	
22	21PGMBE302	Clinical Data Base Management	1	~	~	~	
23	21PGMBE303	Techniques in Plant and Animal Tissue Culture	1	~	~	~	
24	21PGMBC413	Medical Microbiology	~	~	~	~	
25	21PGMBQ402	Lab in Medical Microbiology	~	~	~		

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# **School of Management**







#### **Programme Name: B. B. A. Computer Applications**

s.	0		Development Needs				
No.	Course Code	Course Name	Local	Regional	National	Global	
1	21U3BMC101	Principles of Management		~	~	~	
2	21U3BMC102	Basics of Business and Business Environment		~	~		
3	21U3MDA101	Mathematics for Management I		~	1		
4	21U3BMC203	Organisational Behaviour		~	~		
5	21U3BMC204	Economics for Executives		~	~	~	
6	21U3MDA202	Mathematics for Management - II		~	~		
7	21U3BMC305	Accounting for Business		~	~		
8	21U3BMC306	Production and Material Management	~	~	~		
9	21U3BMC307	Principles of Marketing	. ✓	~	~	~	
10	21U3BCC308	Internet and web page Design- Theory			~	~	
11	21U3BCP309	Computer Applications Practical- I			~	~	
12	21U3BMA303	Business Law		~	~		
13	21U3BCC409	Data mining for Business Intelligence		~	~		
14	21U3BMC410	Human Resource Management	~	~	~	~	
15	21U3BMC411	Financial Management	~	~	~		
16	21U3BCC412	C++ and Java Programming			~	~	
17	21U3BCP413	Computer Applications Practical- II			~	~	
18	21U3BMA404	Industrial Relations and Labour welfare		~	~		
19	21U4BMS402	Business Correspondence	~	~	~		
20	21U3BMC514	Investment Analysis and Portfolio Management		0	1		

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	Come Colo		Development Needs				
5. No.	Course Code	Course Name	Local	Regional	National	Global	
21	21U3BMC515	Business Research Methods		~	~		
22	21U3BMC516	Advertising and Sales Promotion	~	~	~	~	
23	21U3BIC517	Logistics and Supply chain Management			1	~	
24	21U3BIC518	Warehousing and Distribution Management	1	~	~		
25	21U3BME501	Intellectual Property Rights			~	~	
26	21U3BME502	M- Commerce & Information Technology Services	~	1	~	~	
27	21U3BME503	Consumer Behaviour	~	~	~	~	
28	21U4BMS503	Tally		~	~	2	
29	21U3BMC619	Entrepreneurship & Small Business Management	~	~	~		
30	21U3BMC620	Strategic Management		~	~	~	
31	21U3BIC621	Global Business Management			~	~	
32	21U3BIC622	Consumer Behaviour	~	~	~	~	
33	21U3BME604	Service Marketing			~	~	
34	21U3BME605	Enterprise Resource Planning		~	~		
35	21U3BME606	Brand Management		~	1		
36	21U3BME607	Rural Marketing	~	~	~		
37	21U3BME608	Customer Value Management	~	~	~		
38	21U3BMV609	Project Work Viva-Voce	~	~			
39	21U4BMS604	Campus to Corporate (Viva Voce)	~	~			







# Programme Name: B. B. A. International Business

			Development	ient Needs		
s. No.	Course Code	Course Name	Local	Regional	National	Global
1	21U3BMC101	Principles of Management		~	~	~
2	21U3BMC102	Basics of Business and Business Environment		~	~	
3	21U3MDA101	Mathematics for Management I		~	~	
4	21U3BMC203	Organisational Behaviour		~	1	
5	21U3BMC204	Economics for Executives		~	~	~
6	21U3MDA202	Mathematics for Management - II		~	~	
7	21U3BMC305	Accounting for Business		~	~	
8	21U3BMC306	Production and Material Management	~	~	~	
9	21U3BMC307	Principles of Marketing	~	~	1	~
10	21U3BIC308	Fundamentals of International Business			~	~
11	21U3BIC309	Information Management		1	~	
12	21U3BMA303	Business Law		~	~	
13	21U3BMS301	PC Software (Libre Office) – Practical		~	~	
14	21U3BMC410	Human Resource Management	1	~	~	~
15	21U3BMC411	Financial Management	~	~	~	
16	21U3BIC412	Foreign Trade Procedure and Documentation			~	~
17	21U3BIC413	Foreign Exchange Management			~	~
18	21U3BMA404	Industrial Relations and Labour welfare	1.5	~	~	
19	21U4BMS402	Business Correspondence	1	1	~	
20	21U3BMC514	Investment Analysis and Portfolio Management		0	1	~







S.	Development Needs					
No.	Course Code	Course Name	Local	Regional	National	Global
21	21U3BMC515	Business Research Methods		~	~	
22	21U3BMC516	Advertising and Sales Promotion	~	~	~	~
23	21U3BCC517	Logistics and Supply chain Management			~	~
24	21U3BCP518	Warehousing and Distribution Management	~	~	~	~
25	21U3BME501	Intellectual Property Rights			~	~
26	21U3BME502	M- Commerce & Information Technology Services	~	~	~	
27	21U3BME503	Consumer Behaviour	~	~	~	~
28	21U4BMS503	Tally		~	1	
29	21U3BMC619	Entrepreneurship & Small Business Management	~	~	~	
30	21U3BMC620	Strategic Management		~	~	
31	21U3BCC621	Global Business Management			~	~
32	21U3BCP622	Consumer Behaviour	~	~	~	~
33	21U3BME604	Service Marketing	1200		~	~
34	21U3BME605	Enterprise Resource Planning		~	~	
35	21U3BME606	Brand Management	~	~	~	
36	21U3BME607	Rural Marketing	~	~	~	
37	21U3BME608	Customer Value Management	~	1	~	
38	21U3BMV609	Project Work Viva-Voce	~	~		
39	21U4BMS604	Campus to Corporate (Viva Voce)	~	~		

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#### Programme Name: B. B. A. Logistics

s.	Course C. I.	Course Name		Developme	ment Needs	
No.	Course Code	Course Name	Local	Regional	National	Global
1	21U3BMC101	Principles of Management		~	~	~
2	21U3BMC102	Basics of Business and Business Environment		~	~	
3	21U3MDA101	Mathematics for Management I		~	1	
4	21U3BMC203	Organisational Behaviour		1	1	
5	21U3BMC204	Economics for Executives		1	~	
6	21U3MDA202	Mathematics for Management - II		1	~	~
7	21U3BMC305	Accounting for Business		~	~	
8	21U3BMC306	Production and Material Management	~	1	~	
9	21U3BMC307	Principles of Marketing	. ✓	~	1	~
10	21U3BLC308	Introduction to Logistics	~	~	~	
11	21U3BIC309	Information Management	~	~	~	
12	21U3BMA303	Business Law		~	~	
13	21U3BMZ301	Business Correspondence	~	~	~	
14	21U3BMC410	Human Resource Management	~	~	~	~
15	21U3BMC411	Financial Management	~	~	~	
.16	21U3BIC412	Foreign Trade Procedure and Documentation			~	~
17	21U3BLC413	Inventory Management			~	~
18	21U3BLA404	Air Cargo Logistics			~	~
19	21U4BMZ402	Internship and Mini Project	~	~		
20	21U3BMC514	Investment Analysis and Portfolio Management		0		~





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s.				Development Needs		
No.	Course Code	Course Name	Local	Regional	National	Global
21	21U3BMC515	Business Research Methods		~	~	
22	21U3BMC516	Advertising and Sales Promotion	~	~	~	~
23	21U3BIC517	RDBMS and Oracle		1	~	
24	21U3BCP518	Computer Applications Practical- III		~	~	
25	21U3BME501	Intellectual Property Rights			~	~
26	21U3BME502	M- Commerce & Information Technology Services	~	~	~	~
27	21U3BME503	Consumer Behaviour	~	~	~	~
28	21U4BMS503	Tally		~	~	
29	21U3BMC619	Entrepreneurship & Small Business Management	~	~	~	
30	21U3BMC620	Strategic Management		~	~	~
31	21U3BCC621	Visual Basic		~	~	
32	21U3BCP622	Computer Applications Practical- IV		~	~	
33	21U3BME604	Service Marketing	~	~	~	~
34	21U3BME605	Enterprise Resource Planning		~	~	
35	21U3BME606	Brand Management	~	~	~	
36	21U3BME607	Software and Techniques Design			~	$\checkmark$
37	21U3BME608	Customer Value Management	~	~	~	
38	21U3BMV609	Project Work Viva-Voce	~	~		
39	21U4BMS604	Campus to Corporate (Viva Voce)	~	~		





<b>Common for all UG Programmes</b>		Common	for all	UG	Programmes	
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S. No.	Course Code	Course Name Development	Development Needs			
			Local	Regional	National	Global
1	21UITAM101	Tamil I	~	~		
2	= 21UITAM202	Tamil II	~	~		
3 '	21UITAM303	Tamil III	~	~		
4	21UITAM404	Tamil IV	1	~		
5	21UIMAL101	Malayalam I	~	~		
6	21UIMAL202	Malayalam II	1	~		
7	21UIMAL303	Malayalam III	1	1		
8	21UIMAL404	Malayalam IV	1	~		
9	21UIHIN101	Hindi I	-	1	~	~
10	21UIHIN202	Hindi II		~	~	~
11	21UIHIN303	Hindi III		~	~	~
12	21UIHIN404	Hindi IV		~	~	~
13	21U1FRN101	French I				~
14	21U1FRN202	French II				~
15	21U1FRN303	French III				~
16	21U1FRN404	French IV				~
17	21U2ENG101	English I	1	1	~	1
18	21U2ENG202	English II	1	~	<ul> <li>Image: A second s</li></ul>	~



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S. No.	Course Code	Course Name	Development Needs				
	Course Cour	Comachanic	Local	Regional	National	Global	
19	21U2ENG303	English III	~	~	~	~	
20	21U2ENG404	English IV	~	~	~	~	
21	21U4ENV101	Environmental Studies	~	~	~	~	
22	21U4HRC202	Human Rights and Constitution of India	~	~	~		
23	21U4HVY201	Human Values and Yoga Practice – I	~	1	~		
24	=21U4HVY402	Human Values and Yoga Practice – II	~	1	~		
25	21U4NM3BT1	Basic Tamil I	~	~			
26	21U4NM3AT1	Advanced Tamil I	~	~			
27	21U4NM3CAF	Consumer Affairs			~		
28	21U4NM3GTS	Gandhian Thoughts	1	~	~		
29	21U4NM3WR T	Women's Rights	~	~	~		
30	21U4NM4BT2	Basic Tamil II	~	~			
31	21U4NM4AT2	Advanced Tamil II	~	~			
32	21U4NM4GEN	General Awareness	~	~	~		

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