

1.3.3. Syllabus outline of Courses in which Internship / Dissertation / Research Project Applicable.

	B.A.Ed. IV Semester					
S. No. Credit Name of Course						
1	9	English				
2	9	Hindi Language				
3	9	Assessment Learning				
4						
5	5 12 MONEY, BANKING AND PUBLIC FINANCE					
6	6 12 INTERNATIONAL RELATIONS					
7	14	INDIAN NATIONAL MOVEMENT (1857 – 1947 A.D)				
8	12	STATE ADMINISTRATION IN INDIA				
9	12	RAGHUVANSHAM MAHAKAVYA				
10	12	HINDI GADDH-1				
11	11 12 TWENTIETH CENTURY BRITISH LITERATURE					
12	12 9 Internship Methodology (2 Week)					
Total Credits	65					

B.A.B.Ed. VI Semester							
S. No.	S. No. Credit Name of Course						
1	10	Pedagogy of Teaching Subject I					
2	10	Pedagogy of Teaching Subject II					
3	12	WORLD REGIONAL GEOGRAPHY					
4	12	12 INTERNATIONAL ECONOMICS					
5	12	INDIAN POLITICAL THOUGHT					
6	14	INDIA AND THE CONTEMPORARY WORLD 1950 – 2000 A.D.					
7	12	LOCAL ADMINISTRATION					
8	12	VEDIK AVAM LOUKIK SAHITYA					
9	12	HINDI GADDH-II					
10	12	12 LITERARY CRITICISM					
11	11 9 INTERNSHIP METHODOLOGY (2 WEEKS)						
Total Credits	65						

B.A.B.Ed. VII Semester							
S. No. Credit Name of Course							
6	Secondary Education In India: Status, Issues And						
	Concerns						
6	Inclusive Education, Guidance And Counselling In						
	School						
30	30 Internship Methodology (14 +2 Week)						
42							
	Credit 6						



B.Sc.B.Ed. IV Semester						
S. No. Credit Name of Course						
1	9	English				
2	9	Hindi Language				
3	9	Assessment Learning				
4	14	DIFFERENTIAL EQUATION				
5	12	OPTICS				
6	12	Inorganic Chemistry				
7	9	Internship Methodology (2 Week)				
Total Credits	65+9					

	B.Sc.B.Ed. VI Semester							
S. No.	S. No. Credit Name of Course							
1	4	PEACE ORIENTED VALUE EDUCATION						
2	10	Pedagogy of Physical Science						
3	10	Pedagogy of Biological Science						
4	12	Group Theory						
5	12	RELATIVITY AND QUANTUM MECHANICS						
6	12	Organic chemistry						
7	9	Internship Methodology (2 Week)						
Total Credits	60+9							

B.Sc.B.Ed. VII Semester						
S. No. Credit Name of Course						
1	6	Secondary Education In India: Status, Issues And				
1		Concerns				
2 6 Inclusive Education, Guidan School		Inclusive Education, Guidance And Counselling In				
		School				
3	3 30 Internship Methodology (14 +2 Week)					
Total Credits	42					



B. Ed II SEMESTER							
S. No.	S. No. Credit Name of Course						
1	13	Learning & Teaching					
2	12 Assessment of learning						
3	3 7 Knowledge and Curriculum						
4	4 7 Pedagogy of School Subject-I						
5	5 7 Pedagogy of School Subject-II						
6							
7							
Total Credits							

B. Ed III SEMESTER							
S. No.	S. No. Credit Name of Course						
1	8 Pedagogical skills of Teaching School Subject						
2	2 8 School Based Activities						
3	3 44 School Internship (16 Week)						
Total Credits							

M.Sc. Zoology IV SEM						
S. No.	S. No. Course Name C T P					
1	Dissertation	34	0.25	33.75		
2	Biostatistics, Computational Biology and Bioinformatics	8	6	2		
3	Bioinstrumentation	8	6	2		
	Total Credits 60 12.25 37.75					

M.Sc. Botany IV SEM						
S. No.	S. No. Course Name C T P					
1	Dissertation	58	0.25	57.75		
2	Extra-Curricular Activities	1	0	1		
3	3 Community Development Activities 1 0 1					
Total Credits 60 0.25 59.75						



M.Sc. Chemistry IV SEM						
S. No.	S. No. Course Name C T P					
1	Dissertation	40	0.25	39.75		
2	Extra-Curricular Activities	1	0	1		
3	3 Community Development Activities 1 0 1					
	Total Credits 42 0.25 41.75					

	M.Sc. Physics IV SEM					
S. No.	Course Name	С	T	P		
1	Electronic Instrumentation	8	6	2		
2	Physics of Nanomaterials	8	6	2		
3	3 Project and Dissertation		0.25	17.75		
	Total Credits 34 12.25 21.75					

M.Sc. Mathematics IV SEM				
S. No.	Course Name	С	T	P
1	Dissertation	40	0.25	39.75
2	Extra-Curricular Activities	1	0	1
3 Community Development Activities 1 0 1				
Total Credits 42 0.25				41.75

	M.Sc. History IV SEM					
S. No.	Course Name	С	T	P		
1	Dissertation	40	0.25	39.75		
2	Extra-Curricular Activities	1	0	1		
3	3 Community Development Activities		0	1		
	Total Credits	42	0.25	41.75		



M.A. (Economics) IV SEM				
S. No.	Course Name	С	T	P
1	Economics of Development	8	8	0
2	India's Public Finance	8	8	0
3	Economic Development and Policy in India – II	8	8	0
4	Dissertation	16	0.25	15.75
	Total Credits	40	24.25	15.75

	M.A. (Sociology) IV SEM				
S. No.	Course Name	С	T	P	
1	Sociology of Organization and Human Resource	8	8	0	
2	Social Problems	8	8	0	
3	Social Movement in India	8	8	0	
4 Dissertation		16	0.25	15.75	
	Total Credits	40	24.25	15.75	



M.Ed. II Semester			
S. No.	Credit	Name of Course	
1	9	Philosophy and Sociology of Education	
2	9	Pedagological knowledge of teacher Educator	
3	3 Psychology of Learner		
4	9	Fundamental Concepts of Educational Research	
5	9	Psychology of Individual learning	
6	8	Dissertation - I (Research Proposal & Tool Designing)	
7	7	Internship – I Teacher Education Institutions and Field Work	
Total Credits	60		

	M.Ed. IV Semester				
S. No.	Course Name	С	T	P	
1	COMPARATIVE EDUCATION	10	10	0	
2	Yoga	7	7	0	
3	Bhartiya Chintan (Value Education)	7	7	0	
4	Teacher Education	10	10	0	
5	Educational Technology and ICT	10	6	4	
6	Dissertation - III: Draft Report - (Pre- submission)	10	0.25	9.75	
7	Dissertation - IV: Final Report	6	0.25	5.75	
	Total Credits	60	40.50	19.50	

B. PHARMA VII SEMESTER				
S.No. Paper Name				
1.	Instrumental Methods of Analysis – Theory			
2. Industrial Pharmacy – Theory				
3. Pharmacy Practice – Theory				
4. Novel Drug Delivery System – Theory				
5. Quality Assurance				
6. Instrumental Methods of Analysis – Practical				
7. Practice School*				
University Mission Course Self Defence & Help Aid				



B. PHARMA VIII SEMESTER			
S.No.	Paper Name		
1.	Biostatistics and Research Methodology		
2.	Social and Preventive Pharmacy		
3. Pharmaceutical Marketing- (ET)			
4.	Pharmaceutical Regulatory Science - (ET)		
5.	Pharmacovigilance - (ET)		
6.	Quality Control and Standardizations of Herbals (ET)		
7.	Cell and Molecular Biology (ET)		
8.	Cosmetic Science (ET)		
9.	Experimental Pharmacology (ET)		
10.	Project Work		
University Mission Course COMMUNITY DEVELOPMENT ACTIVITIES			
ECA Extra Curricular Activities			

ET- Elective, Student has to select 2 electives from the above table.

Practice School

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice school declared by the program committee from time to time. At the end of the practice school, every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 pages). Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts at Faculty/Dept. level and grade point shall be awarded.

Project work

All the students shall undertake a projectunder the supervision of a teacher and submit a report. The area of the project shall directly relate any one of the elective subject opted by the student in semester VIII. The project shall be carried out in group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).

Industrial training (Desirable)

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the Semester – VI and before the commencement of Semester – VII, and shall submit satisfactory report of such work and certificate duly signed by the authority of training organization to the head of the institute.



M.PHARMA (Odd Semester) PCE Batch 2022-23

SL.NO	SEMESTER	SUBJECT NAME	Credits
1		Research Methodology and Biostatistics	4
2		Journal club	1
3	III	Discussion / Presentation (Proposal Presentation)	2
4		Research Work	28
		Total Credits	35

M.PHARMA (Even Semester) PCE Batch 2022-23

SL.NO	SEMESTER	SUBJECT NAME	Credits
1		Journal Club	1
2		Research Work	31
3	137	Discussion/Final Presentation	3
	IV	Total Credits	35

M.PHARMA (Odd Semester) PCO Batch 2022-23

SL.NO	SEMESTER	SUBJECT NAME	Credits
1		Research Methodology and Biostatistics	4
2		Journal club	1
3	III	Discussion / Presentation (Proposal Presentation)	2
4		Research Work	28
		Total Credits	35



M.PHARMA (Even Semester) PCO Batch 2022-23

SL.NO	SEMESTER	SUBJECT NAME	Credits
1		Journal Club	1
2		Research Work	31
3	IV	Discussion/Final Presentation	3
		Total Credits	35
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M.SC. (MICROBIOLOGY) IV- SEMESTER		
S.No.	Paper Name	
1	Dissertation	
ECA	Extra-Curricular Activities	
University Mission Course	Community Development Activities	



	M.Sc. N &D 3rd Semester				
Name of Course	Course Name	Credit	Т	P	A
Core Course	Pediatric and Geriatric Nutrition (T)	7	7	0	
Core Course	Nutrition in Critical Care	7	7	0	
Core Course	Core Course Functional Foods and Nutraceuticals(T)		7	0	
Core Course	Nutritional Management(T+P)	9	7	2	
Specialization Course	Food Service Management	7	7	0	
Specialization Course	Pre Dissertation Training	2			
University Mission Course	Group- 1 Women Rights & Law Self Defense Help Aid Gender Sensitization Yoga & Mediation	1			
	Group- 2 My Behavior And Ethics Community Development Activity	1			
Value Added Course	Group- 1 Language Proficiency (English/ Hindi/Sanskrit/Foreign Language) EVSDM, Computer Fundamentals, Cyber Security, Military Science & Civil Defense.	1			
	Group- 2 Portfolio (Government/Corporate/Entreprene ur	1			
Personal Profile Course/ Research & Development Course	Personal Profile Course/ Research & Development Course	1			
Skill/Innovation & Entrepreneurship/Inter disciplinary/Explore/Lo cal Courses	Skill/Innovation & Entrepreneurship/Interdisciplinary/ Explore/Local Courses	1			
Co-Curricular Course	Seminars, Group Discussions, Academic Achievements, Visits Applicable- Academic Achievements	1			
Extra Curricular Activity	Dance, Sports, Music, NSS, Scout & Guide, Red Ribbon	1			
	Total Credit		47	7	

	M.Sc. N &D 4 Semester				
Name of Course	Course Name	Credit	T	P	A
Specialization Course	Dissertation	60	1	59	
Personal Profile Course/ Research & Development Course	Personal Profile Course/ Research & Development Course	1			
Co-Curricular Course	Seminars, Group Discussions, Academic Achievements, Visits Applicable-Academic Achievements	1			
,	Fotal Credit		62	2	•

BMLT VIII Sem				
S. No.	S. No. Course Name C T P			
1	Clinical Training	48	0	48
	Total Credits 48 0 48			

Training – Minimum 1080 hours (calculated based on 9 hours per day, if 120 working days in a 6 months.

- ➤ The students will undergo six month training along with an additional project in University all departments.
- ➤ At the end of semester, she has to submit hardcopy of their Case Study, Log Book to the department of examination of JVWU with a presentation on the Case Study (Minimum 6 Cases) completed at the time of Clinical Training.
- > Assessments -
- 1- Ultrasonography
- 2- Flouroscopy
- 3- Radiography
- 4- Computed Radiography
- 5- C Arm Machine
- 6- Ward Radiography



B.Sc. RT VII & VIII Sem				
S. No.	S. No. Course Name C T P			
1	Clinical Training	48	0	48
	Total Credits	48	0	48

Training – Minimum 1080 hours (calculated based on 9 hours per day, if 120 working days in a 6 months)

- ➤ The students will undergo six month training along with an additional project in all departments like hematology, biochemistry, blood bank, histopathology, microbiology, clinical pathology, genetics, of the same laboratory of university attached hospital / recognized hospitals/nursing homes.
- ➤ At the end of training, students have to submit a hard copy of training certificate to the department of examination, JVWU, given by hospital/nursing home to her against the training completion.
- ➤ At the end of last semester, she has to submit two hardcopy of their project report to the department of examination of JVWU with a presentation on the project report completed over the time of project.
- ➤ Students will be awarded with a degree of Bachelor of Science in Radiation technology (B.Sc R.T.) only after submission of a training certificate, project report to the university.

B.Sc. (Opto) VII & VIII Sem				
S. No.	S. No. Course Name VII VIII P			
1	Internship(250 days)	45	45	90
	Total Credits	45	45	90

Bachelor of Physiotherapy - BPT (4½ Year Degree Course)

Academic Curriculum (2020-21 onwards) Fifth Year

There will be 06 months compulsory rotatory internship of 1200 Hours in any Government or Private (100 bedded & above) Hospital. Upon Submission of Internship completion certificate by the student, BPT (Bachelors of Physiotherapy) degree will be awarded



	MPT III & IV Sem				
S. No.	o. Course Name C T P				
1	Clinical Training & Thesis (Will be of Clinical Training and at the end of IV semester Thesis Submission, Viva, Training Certificate and Presentation)	24	0	24	
	Total Credits	24	0	24	

M.TECH (BT) IV-SEMESTER		
S.No. Paper Name		
1	DISSERTATION	
ECA	EXTRA CURRICULAR ACTIVITIES	
University Mission		
Course	COMMUNITY DEVELOPMENT ACTIVITIES	

M.Sc.(Biochemistry) IV SEMESTER		
S.No. Paper Name		
1	DISSERTATION PRESENTATION	
ECA	Extra-Curricular Activities	
University Mission Course Community Development Activities		



B.Sc.(BT) II Semester		
Sr. No.	Course Name	
1	Fundamentals of microbiology	
2	Cell biology	
3	Biophysics and instrumentation	
4	Fundamentals of microbiology Lab	
5	Cell biology Lab	
6	Biophysics and instrumentation Lab	
7	Thermodynamics	
8	Analytical Chemistry	
9	Fundamentals of Food Science & Technology	
10	Analytical Chemistry Lab	
11	Fundamentals of Food Science & Technology Lab	
12	Minor Project	
ECA	EXTRA CURRICULAR ACTIVITIES	
UNIVERSITY		
MISSION COURSE	COMMUNITY DEVELOPMENT ACTIVITIES	

	B.Sc.(BT) III Semester	
Sr. No.	Course Name	
1	Metabolism and Bioenergetics	
2	Basic Enzymology	
3	Developmental biology	
4	Biostatistics	
5	Molecular Biology	
6	Embryogenesis	
7	Certified Training	
8	Metabolism and Bioenergetics Lab	
9	Basic Enzymology Lab	
10	Developmental biology Lab	
11	Biostatistics Lab	
12	Molecular Biology Lab	
13	Embryogenesis LAb	

B.Sc.(BT) IV Semester		
Sr. No.	Sr. No. Course Name	
1	Environmental Biotechnology	



2	Recombinant DNA technology
3	Medical Biotechnology
4	Food Biotechnology
5	Principles of Immunology
6	Introduction to Bioinformatics
7	Minor Project
8	Environmental Biotechnology Lab
9	Recombinant DNA technology Lab
10	Medical Biotechnology Lab
11	Principles of Immunology Lab
12	Introduction to Bioinformatics Lab
ECA	EXTRA CURRICULAR ACTIVITIES
UNIVERSITY	
MISSION COURSE	COMMUNITY DEVELOPMENT ACTIVITIES

	B.Tech. M. Tech(FBT)FORTHSEMESTER			
S. No.	Credit	Name of Course		
1	3	Environmental Biotechnology		
2	1	Environmental Biotechnology Lab		
3	3	Recombinant DNA technology		
4	1	Recombinant DNA technologylab		
5	2	Medical Biotechnology		
6	1	Medical Biotechnology lab		
7	3	Waste management of Food Industries		
8	3	Fruits and Vegetable Processing Technology		
9	1	Fruits and Vegetable Processing Technology lab		
10	2	Principles of Immunology		
	1			
11				
		Principles of Immunology lab		
12	4	Minor Project		
13	1	Industrial Visit		
Total	26			



	M.Tech(FT) THIRD SEMESTER			
S. No.	. No. Credit Name of Course			
1	3	Advanced Milk and Milk Products Technology		
2	1	Advanced Milk And Milk Products Technology Lab		
3	4	Nutraceuticals And Functional Foods		
4	3	Food Rheology And Texture		
5	1	Food Rheology and Texture Lab		
6	4	Advanced Meat, Fish, Poultry And Egg Technology		
7	4	Research Methodology		
0	2	Pre-Dissertation Training (60 Days) (After II Sem		
8		during summer vacation)		
Total	22			

M.Tech(FT) FORTH SEMESTER						
S. No.	S. No. Credit Name of Course					
1	25	Dissertation/ Project-New Product Development (NPD)				
Total	25					



B.Tech FBT VII-Trimester Total Credit: 35+15 Total Hours: 465+300				
Nature of Course	Course Name	С	Т	P
Core Biotechnology	Enzyme technology	5	4	1
Core Biotechnology	Plant biotechnology	6	5	1
Core Food Technology	Cereal, Pulse & oilseed Technology	6	4.5	1.5
Core Food Technology	Basic Food Engineering	6.5	5	1.5
Core Food Technology	Food Storage and Transport	4.5	4.5	0
	Certified Training	2	<u> </u>	2
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/Fundamentals of Computer/ Environmental Science & Disaster Management/Cyber Security Not Applicable	-	-	-
University Mission Course	Women's Rights And Law/Self Defence/Help Aid/Yoga & Meditation/Gender Sensitization/My Behavior & Ethics Applicable: Help Aid	1	0.5	0.5
Academic Exposure	Extra-Curricular Activities (ECA)	1	0	1
Academic Exposure	Community Development Activities(CDA)	1	0	1
Academic Exposure	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
Academic Exposure	Mentorship	1	0	1
Co-Curricular Activites	Internship /Industrial Visit /Paper Publication/Conference/Symposium/Industrial Training Applicable: Industrial Training (60 Days)	15	0	15
Total Credits		35+15	23.5	11.5+15

Credits & Hours:



	B.Tech FBT VIII-Trimester Total Credit: 32 Total Hours: 395	5		
Nature of Course	Course Name	С	Т	P
Core Food Technology Core Food	Dairy Engineering Modern Baking & Confectionary	5.5	4.5	1
Technology	Technology a confectionary	5.5	4.5	1
Core Food Technology	Fermentation Technology	4.5	4.5	0
Core Food Technology	Food Laws. Standards & Regulations	6	6	0
Core Food Technology	Applied Recombinant DNA technology	6.5	5	1.5
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/ Fundamentals of Computer/ Environmental Science & Disaster Management/ Cyber Security	0	0	0
University Mission Course	Women's Rights And Law/Self Defense/Help Aid/Yoga & Meditation/Gender Sensitization/My Behavior & Ethics	0	0	0
Academic Exposure	Extra Curricular Activities	1	0	1
Academic Exposure	Community Development Activities	1	0	1
Academic Exposure	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
Academic Exposure	Mentorship	1	-	1
Co-Curricular Activites	Internship /Industrial Visit /Paper Publication/Conference/Symposium	-	-	-
Total Credits		32	24.5	7.5



	M.Sc. BT III Sem			
Nature of Course	Course Name	С	Т	P
Core Dietechnology	Molecular Enzymology	7	6	1
Core Biotechnology	Genetic Engineering	7	6	1
	Cellular and Tissue Engineering	6.0	6	0
Applied Biotechnology	Bioinformatics	7.5	6.5	1
	Animal Biotechnology	7	6.5	0.5
	Pre Dissertation Training	2		2
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/Fundamentals of Computer/ Environmental Science & Disaster Management/Cyber Security: Not Applicable	-	1	-
University Mission Course	Women's Rights And Law/Self Defense/Help Aid/Yoga & Meditation/Gender Sensitization/My Behavior & Ethics: Applicable: My Behavior & Ethics	1	0.5	0.5
Academic Exposure	Extra Curricular Activities(ECA)	1	0	1
Academic Exposure	Community Development Activities(CDA)	1	0	1
Academic Exposure	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
Academic Exposure	Mentorship	1	0	1
Co-Curricular Activites	Internship /Industrial Visit /Paper Publication/Conference/Symposium Applicable: Industrial Visit	1	0	1
	Total Credits	42.5	31.5	11

Credits & Hours:



M.Sc. BT IV Sem					
Nature of Course	Course Name	С	Т	P	
Professional Development Activity	Dissertation	60	0.25	59.75	
	Total Credits	60	0.25	59.75	

	BSc BT IV-Trimester Total Credits: 31.3+15 Total Hours: 436+3	300		
Nature of Course	Course Name	С	Т	P
	Metabolism and Bioenergetics	5.5	4.5	1.0
Core Biotechnology	Basic Enzymology	5.8	4.5	1.3
	Developmental biology	6.5	5.0	1.5
Biostatistics	Biostatistics	5.5	4.5	1.0
	Certified Training	2	-	2
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/Fundamentals of Computer/ Environmental Science & Disaster Management/Cyber Security Applicable: Not Applicable	-	-	-
University Mission Course	Women's Rights And Law/Self Defence/Help Aid/Yoga & Meditation/Gender Sensitization/My Behavior & Ethics Applicable: Women's Rights And Law/ Self Defense	1	0.5	0.5
	Extra-Curricular Activities (ECA)	1	0	1
Academic	Community Development Activities(CDA)	1	0	1
Exposure	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
	Mentorship	1	0	1
Co-Curricular Activites	Internship /Industrial Visit /Paper Publication/Conference/Symposium Applicable: Industrial Visit & Industrial Training (60Days)	1+15	-	1+15
	Total Credits	31.3+15	19	12.3+15



Credits & Hours:

	B. Sc BT VI-Trimester Total Credits: 35.1 Total Hours: 467			
Nature of Course	Course Name	С	T	P
	Environmental Biotechnology	6.7	5.5	1.2
	Recombinant DNA technology	7	5.5	1.5
Applied Biotechnology	Medical Biotechnology	6.8	5.5	1.3
	Food Biotechnology	5.5	5.5	0
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/ Fundamentals of Computer/ Environmental Science & Disaster Management/ Cyber Security Applicable: Environmental Science & Disaster	1	1	0
University Mission Course	Women's Rights And Law/Self Defence/Help Aid/Yoga & Meditation/Gender Sensitization/My Behaviour & Ethics Applicable: Self Defence	1	0.5	0.5
University Compulsory Course	Extra Curricular Activities	1	0	1
University Compulsory Course	Community Development Activities	1	0	1
Portfolio Development Activity	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
Academic Exposure	Mentorship	1	0	1
	Minor Project	4.1	0	4.1
Co-Curricular Activites	Internship /Industrial Visit /Paper Publication/Conference/Symposium	-		-
•	Total Credits	35.1	23.5	11.6



Credits & Hours:

Т	B.Sc. FST IV-Trimester otal Credit: 35.8+15 Total Hours: 496+3	00		
Nature of Course	Course Name	С	Т	P
Applied Food Technology	Metabolism and Bioenergetics	5.5	4.5	1.0
Applied Food Technology	Basic Enzymology	5.8	4.5	1.3
Core Food Technology	Technology of Milk & Milk Products	5	4	1.0
Core Food Technology	Principles of Food Preservation	6	4	2.0
Biostatistics	Biostatistics	5.5	4.5	1.0
	Certified Training	2	0	2
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/Fundamentals of Computer/ Environmental Science & Disaster Management/Cyber Security Not Applicable	-	-	-
University Mission Course	Women's Rights And Law/Self Defence/Help Aid/Yoga & Meditation/Gender Sensitization/My Behaviour & Ethics Applicable: Women's Rights And Law/ Self Defence	1	0.5	0.5
Academic Exposure	Extra Curricular Activities(ECA)	1	0	1
Academic Exposure	Community Development Activities(CDA)	1	0	1
Academic Exposure	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
Academic Exposure	Mentorship	1	0	1
Co-Curricular Activites	Internship /Industrial Visit /Paper	1+ 15	0	1+15



Publication/Conference/Symposium/ Industrial Training Applicable: Industrial Visit and Industrial Training (60 Days)			
Total Credits	35.8+15	22	13.8+15

Credits & Hours:

B.Sc. FST V-Trimester Total Credit: 31.5 Total Hours: 390				
Nature of Course	Course Name	С	Т	P
Applied Food Science & Technology	Agricultural Practices & Ecology	6.7	6.7	0
Applied Food Science & Technology	Dairy Plant Management	6.8	6.8	0
Core Food Technology	Fruits and Vegetable Processing Technology	7	5	2
Core Food Technology	Food Microbiology & Safety	7	5.5	1.5
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/ Fundamentals of Computer/ Environmental Science & Disaster Management/ Cyber Security Not Applicable	-	-	-
University Mission Course	Women's Rights And Law/Self Defence/Help Aid/Yoga & Meditation/Gender Sensitization/My Behaviour & Ethics Not Applicable	-	-	-
Academic Exposure	Extra Curricular Activities	1	0	1
Academic Exposure	Community Development Activities	1	0	1
Academic Exposure	Portfolio (Government/Corporate/Entrepreneur)	1	0	1



Academic Exposure	Mentorship	1	0	1
Co-Curricular Activites	Internship /Industrial Visit /Paper Publication/Conference/Symposium	-	-	-
	Total Credits	31.5	24	7.5

Credits & Hours:

B.Sc. FST VI-Trimester Total Credit: 31.2 Total Hours: 431				
Nature of Course	Course Name	С	Т	P
Core Food Technology	Food Packaging Technology	8	6	2
Core Food Technology	Meat, Fish and Poultry Product Technology	6.5	6.3	0.2
Core Food Technology	Waste management of Food Industries	5.5	5.5	0
Applied Food Technology	Minor Project	5.2	-	5.2
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/ Fundamentals of Computer/ Environmental Science & Disaster Management/ Cyber Security Applicable: Environmental Science & Disaster	1	1	0
University Mission Course	Women's Rights And Law/Self Defence/Help Aid/Yoga & Meditation/Gender Sensitization/My Behaviour & Ethics	1	0.5	0.5



	Applicable : Self Defence			
University Compulsory Course	Extra Curricular Activities	1	0	1
University Compulsory Course	Community Development Activities	1	0	1
Portfolio Development Activity	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
Academic Exposure	Mentorship	1	0	1
Co-Curricular Activites	Internship /Industrial Visit /Paper Publication/Conference/Symposium	-	-	-
	Total Credits	31.2	19.3	11.9

Credits & Hours:

B.Sc. FND IV-Trimester Total Credit:35.8+15 Total Hours: 496+300					
Nature of Course	Course Name	С	Т	P	
Applied Food Technology	Metabolism and Bioenergetics	5.5	4.5	1.0	
Core Nutrition	Basic Dietetics	5.8	4.5	1.3	
Core Food Technology	Technology of Milk & Milk Products	5	4	1.0	
Core Food Technology	Principles of Food Preservation	6	4	2.0	
Biostatistics	Biostatistics	5.5	4.5	1.0	
	Certified Training	2	0	2	
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/Fundamentals of Computer/ Environmental Science & Disaster Management/Cyber Security Not Applicable	-	-	-	



University Mission Course	Women's Rights And Law/Self Defence/Help Aid/Yoga & Meditation/Gender Sensitization/My Behaviour& Ethics Applicable:Women's Rights And Law/Self Defence	1	0.5	0.5
Academic Exposure	Extra-Curricular Activities(ECA)	1	0	1
Academic Exposure	Community Development Activities(CDA)	1	0	1
Academic Exposure	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
Academic Exposure	Mentorship	1	0	1
Co-Curricular Activities	Internship /Industrial Visit /Paper Publication/Conference/Symposium/ Industrial Training Applicable :Industrial Visit andIndustrial Training (60 Days)	1+ 15	0	1+15
Total Credits		35.8+15	22	13.8+15

Credits & Hours:

For Theory 1 Credit equal to 10 Hours

For Practical 1 Credit equal to 20 Hours

B.Sc. FND V-Trimester Total Credit: 31.5 Total Hours: 390						
Nature of Course						
Applied Food Science & Technology	Agricultural Practices & Ecology	6.7	6.7	0		
Core Nutrition	Nutritional Biochemistry	6.8	6.8	0		
Core Food Technology	Fruits and Vegetable Processing Technology	7	5	2		
Core Food Technology	Food Microbiology & Safety	7	5.5	1.5		
University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/	-	-	-		



	Fundamentals of Computer/ Environmental Science & Disaster Management/ Cyber Security Not Applicable			
University Mission Course	Women's Rights And Law/Self Defense/Help Aid/Yoga & Meditation/Gender Sensitization/My Behavior & Ethics Not Applicable	-	-	-
Academic Exposure	Extra-Curricular Activities	1	0	1
Academic Exposure	Community Development Activities	1	0	1
Academic Exposure	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
Academic Exposure	Mentorship	1	0	1
Co-Curricular Activities	Internship /Industrial Visit /Paper Publication/Conference/Symposium	-	-	-
	Total Credits	31.5	24	7.5

Credits & Hours:

For Theory 1 Credit equal to 10 Hours

For Practical 1 Credit equal to 20 Hours

B.Sc. FST VI-Trimester Total Credit: 31.2 Total Hours: 431					
Nature of Course Name C T P					
Core Food Technology	Food Packaging Technology	8	6	2	
Core Food Technology	Meat, Fish and Poultry Product Technology	6.5	6.3	0.2	
Core Nutrition	Human Physiology	5.5	5.5	0	
Applied Food Technology	Minor Project	5.2	-	5.2	



University Compulsory Course	Language Proficiency (English Communication/ Hindi / Sanskrit / Foreign Language)/ Fundamentals of Computer/ Environmental Science & Disaster Management/ Cyber Security Applicable: Environmental Science & Disaster	1	1	0
University Mission Course	Women's Rights And Law/Self Defense/Help Aid/Yoga & Meditation/Gender Sensitization/My Behavior& Ethics Applicable :Self Defense	1	0.5	0.5
University Compulsory Course	Extra-Curricular Activities	1	0	1
University Compulsory Course	Community Development Activities	1	0	1
Portfolio Development Activity	Portfolio (Government/Corporate/Entrepreneur)	1	0	1
Academic Exposure	Mentorship	1	0	1
Co-Curricular Activities	Internship /Industrial Visit /Paper Publication/Conference/Symposium	-	-	-
Total Credits		31.2	19.3	11.9

Credits & Hours:

For Theory 1 Credit equal to 10 Hours



B.Tech. (CS) VI Semester

DET(CS) III Sem			
Name of Course	Course Name	Nature of Course	С
Core Courses	Basics of Electronic Device and circuits (T+P)	compulsory	6
Core Courses	Computer System Architecture (T)	compulsory	6
specialized Courses	Programming and Problem solving through C (T+P)	compulsory	6
Core Courses	Operating System (T+P)	compulsory	6
Core Courses	Database Management System (T+P)	compulsory	6
		compulsory	
Core Courses	Certified Training (P)		2
Electronics & Communications	Basics of Digital Electronics (T+P)	compulsory	6
		total	47

Nature of Course	Course Name	С	T	P
Core Computer Science	Organization and Management	6	6	0
Core Computer Science	Software Engineering	6	4.5	1.5
Core Computer Science	Information Systems Security	6	4.5	1.5
Core Computer Science	Data Science and Machine Learning	6	6	0
Core Computer Science	Program Elective – II	6	6	0
Core Computer Science	Open Elective – III	6	6	0
Core Computer Science	Minor Project	2	0	2
University Mission Course	Gender Sensitization	1	1	0
University Compulsory Course	Extra-Curricular Activities	1*	0	1
University Compulsory Course	Community Development Activities	1*	0	1
Portfolio Development Activity	Portfolio (Government/Corporate/Entrepreneur)	1.5	1.5	0
University Optional Course	Professional Activity			
To	otal Credits	42.5	35.5	7



B.Tech. (CS) VII Semester				
Nature of Course	Course Name	С	T	P
Core Computer Science	Program Elective – III	6	6	0
Core Computer Science	Program Elective – IV	6	6	0
Core Computer Science	Program Elective – V	6	6	0
Core Computer Science	Program Elective – VI	6	6	0
Core Computer Science	Program Elective – VII	6	6	0
Core Computer Science	Industrial Training	4	0	4
University Mission Course	Help Aid	1	1	0
University Compulsory Course	Extra-Curricular Activities	1*	0	1
University Compulsory Course	Community Development Activities	1*	0	1
Professional Development Activity	Industrial Visit	1	1	0
Portfolio Development Activity	Portfolio (Government/Corporate/Entrepreneur)	0.5	0.5	0
University Optional Course	Professional Activity			
_	Total Credits	38.5	32.5	6

	B.Tech. (CS) VIII Semester				
Nature of Course	Course Name	С	T	P	
Core Computer Science	Major Project	16	0	16	
University Mission Course	Help Aid	1	1	0	
University Compulsory Course	Extra-Curricular Activities	1*	0	1	



University Compulsory Course	Community Development Activities	1*	0	1
Professional Development Activity	Industrial Visit	1	1	0
Portfolio Development Activity	Portfolio (Government/Corporate/Entrepreneur)	0.5	0.5	0
University Optional Course	Professional Activity			
Total Credits		20.5	2.5	18

DET(CS) III SEMESTER				
Nature of Course	Course Name	С	T	P
Core Computer Science	Computer Programming	6	5	1
Core Computer Science	Scripting Language (Python)	6	5	1
Core Computer Science	Data Structures	6	5	1
Core Computer Science	Computer System Organization	6	6	0
Core Computer Science	Algorithms	6	6	0
Core Computer Science	Summer Internship–I	4	0	4
University Mission Course	University Mission Course Women's Rights And Law		1	0
University Compulsory Course	Extra Curricular Activities	1*	0	1
University Compulsory Course	Community Development Activities	1*	0	1
Portfolio Development Activity	Portfolio (Government/Corporate/Entrepreneur)	0.5	0.5	0
University Optional Course	Professional Activity	-		
Total Credits		37.5	28.5	9

DET(CS) IV SEMESTER				
Nature of Course		P		
Core Computer Science	Operating Systems	6	5	1
Core Computer Science	Introduction to DBMS	6	5	1
Core Computer Science Computer Networks 6 5		5	1	
Core Computer Science SSAD/Software Engineering 6 6		0		



Electronics and Communication	Web Technologies	6	5	1
Core Computer Science	Minor Project	2	0	2
University Compulsory Course	Extra Curricular Activities	1*	0	1
University Compulsory Course	Community Development Activities	1*	0	1
Portfolio Development Activity	Portfolio (Government/Corporate/Entrepreneur)	1	1	0
University Optional Course Professional Activity		1		
Total Credits		35	27	8

DET(CS) V SEMSETER				
Nature of Course	Course Name	С	Т	P
MANAGEMENT	Introduction to e-Governance	6	6	0
Core Computer Science	Internet of Things	6	6	0
MANAGEMENT	Internet of Things Open Elective-I * Economic Policies in India * Engineering Economics & Accountancy		6	0
Core Computer Science	* Programme Elective -II * Data Sciences: Data Warehousing and Data Mining * Fundamentals of AI	7	6	1
Core Computer Science	*Advance Computer Networks *Mobile Computing	6	6	0
Core Computer Science	Ice Summer Internship –II 3 (6 weeks after IV Sem.)		0	3
Professional Development Activity	Minor Project	1	0	1
University Mission Course	Help Aid 1		0	0
University Compulsory Course	ry Extra Curricular Activities 1*		0	1
University Compulsory Course	Community Development Activities 1*		0	1
Portfolio Development Activity	t Portfolio 0.5 (Government/Corporate/Entrepreneur)		0	0



University Optional Course	Professional Activity			
	Total Credits	38.5	30	7

BCA VI Semester

Nature of Course	Course Name	С	Т	P
Core Computer Science	Cryptography Fundamentals		6	0
Core Computer Science	Fundamentals to Machine Learning	6	4.5	1.5
Core Computer Science	Fundamentals to Mobile Computing	6	4	2
Core Computer Science	Open Elective-II	6	5	1
Professional Development Activity	Project	60 Days		
University Mission Course	Gender Sensitization	1	1	0
University Compulsory Course Extra-Curricular Activ		1*	0	1
University Compulsory Course Community Development Activities		1*	0	1
Portfolio Development Activity			0	
University Optional Course				



	29.2 + 60	22.7	6.5
Total Credits	Days		
Total Credits			

Credits & Hours:

For Theory 1 Credit equal to 10 Hours For Practical 1 Credit equal to 20 Hours

DET(CS) VI SEMESTER

Nature of Course	Course Name		T	P
Core Management	ENTREPRENEURSHIP		6	0
	AND START-UPS		0	U
Core Management	Open Elective-II			
	* Project Management	6	6	0
	* Renewable Energy		0	U
	Technologies			
Core Computer Science	Programme Elective IV	6		
	* Multimedia ,		5	1
	Technologies		3	1
	*Software Testing			
Core Computer Science	Major Project	4	0	4
			0	4

M.Lib II-SEMESTER

S.No.	Course Name
1	ELECTIVE
2	INFORMATION SCIENCE AND KNOWLEDGE MANAGEMENT
3	INFORMATION TECHNOLOGY APPLICATIONS (PRACTICAL)
4	INFORMATION USERS & NEEDS
5	INTERNSHIP PROGRAMME



University Mission Programme	COMMUNITY DEVELOPMENT ACTIVITIES
Value Added Course	CURRICULUM TRAINING & EXPOSURE
University Compulsory Programme	CYBER SECURITY

	A.LLB IX	SEMESTER	
S.No.	Credit	Name of Course	
1	8	Interpretation of Statutes and principles of Legislation	
2	8	Moot court exercise and internship	
3	8	Banking Law	
4	8	Insurance Law	
5	8	Private International Law	
6	8	Criminology Penology	
7	8	Drafting, Pleading & Conveyancing	
Total	56		
	B.A.LLB X	SEMESTER	
S.No.	Credit	Name of Course	
1	8	Forensic Science & Law	
2	8	Professional Ethics and Professional Accounting System	
3	8	Administrative Law	
4	8	Property Law & Easement	
5	8	Dissertation	
6	8	Law Technology	
Total	48		



	B.B.A.LLB	IX SEMESTER	
S.No.	Credit	Name of Course	
1	8	Interpretation of Statutes and principles of Legislation	
2	8	Moot court exercise and internship	
3	8	Banking Law	
4	8	Insurance Law	
5	8	Private International Law	
6	8	Criminology &Penology	
7	8	Drafting, Pleading &Conveyancing	
Total	56		
	B.B.A.LLB	X SEMESTER	
S.No.	Credit	Name of Course	
1	8	Forensic Science & Law	
2	8	Professional Ethics and Professional Accounting System	
3	8	Administrative Law	
4	8	Property Law & Easement	
5	8	Dissertation	
6	8	Law &Technology	
Total	48		



	B.Com.LLB	IX SEMESTER	
S.No.	Credit	Name of Course	
1	8	Interpretation of Statute sand principles of Legislation	
2	8	Moot court exercise and internship	
3	8	BankingL aw	
4	8	Insurance Law	
5	8	Private international Law	
6	8	Criminology &Penology	
7	8	Drafting, Pleading & Conveyancing	
Total	56		
	B.Com.LLB	X SEMESTER	
S.No.	Credit	Name of Course	
1	8	Forensic Science & Law	
2	8	Professional Ethics and Professional Accounting System	
3	8	Administrative Law	
4	8	Property Law & Easement	
5	8	Dissertation	
6	8	Law &Technology	
Total	48		



LL.B Three Year (VI SEM)

Nature of Course	Course Name	С	Т	P
Core Law	Code of Civil Procedure & Limitation	8	5	3
Core Law	Code of Criminal Procedure & Limitation	8	5	3
Core Law	Public International Law	8	5	3
Core Law	Moot court exercise and internship	8	5	3
Core Law	Media and Law	8	5	3
Core Law	Private International Law	8	5	3
Core Law	French Legal System	8	5	3
Professional Development Activities	Internship 4 Week	12		
University CompulsoryCourse	CDA & ECA	2	0	2
Total Credits		58+ 12	35	23



LLM II Semester

S.NO.	Name of Course
1.	DISSERTATION
2.	CORPORATE CRIMES/ WHITE COLLAR CRIMES (CRIMINAL LAW) BANKING AND INSURANCE LAW (Company Law)
3.	CRIMINAL JUSTICE & HUMAN RIGHTS (CRIMINAL LAW) COMMERCIAL ARBITRATION AND CONCILIATION (Company Law)
4.	POLICE LAW & ADMINISTRATION (CRIMINAL LAW) LABOUR LAW (Company Law)
5.	VICTIMOLOGY (CRIMINAL LAW) INTELLECTUAL PROPERTY RIGHTS (Company Law)
University compulsory Course	CYBER SECURITY
ECA	EXTRA CURRICULAR ACTIVITIES
University Mission Course	COMMUNITY DEVELOPMENT ACTIVITIES



MBA III SEMESTER

S. No.	Credit	Name Of Course
1	5	Production And Operations Management
2	5	Human Resource Management
3	5	Strategic Management
4	4	Entrepreneurial Management
5	5	Cost Accounting
6	5	Research Methodology
7	4	Financial Management
8	5	Marketing Management II
9	4	Application of SPSS in Operations Research (Lab)
10	1	Industrial Visit
11	15	45 Days Training
	1	Extra-Curricular Activities
12	1	Community Development Activities
	-	Professional Activities
Total	60	



B.Des(FD) VIII SEMESTER

S.No.	Credit	Nameof Course
1	4	PORTFOLIOPRESENTATION
2	6	INDUSTRIALINTERNSHIP
Total	10	

IndustrialTraining

☐ Portfolio Presentation(lab)

Course Outcomes: To develop analytical and problem solving approach among the students. The project work will be research based and the products design in this will be innovative and industry oriented. Student will select their project work by the guide or by mentor according their synopsis.

Deliverables:

The findings of the project work to be submitted in the form of as arrange collection presentation as a exhibition or Fashion Show, PowerPoint presentation, One Article writing based on selected project that saved in a CD, along with project Report(colored print outs in A4 size)and A3 size Designer Portfolio.



BFA VIII SEMESTER

S.No.	Credit	Name of Course
1.	4	Graphic Design/Communication Design-II(Practical)
2.	4	Illustration(Practical)
3.	10	Project & Internship Training(Practical)
Total	18	

Project & Internship Training (Practical)

Course outcomes:

Students will be required to undergo four weeks practical training under a renowned artist, artisan or craftsman during summer vacation. The training is an opportunity to gain work experience in an area of interest. Student may be asked to select a particular area of her interest and internship training for 45 days + 45 days =90 days in two different segments -advertising and branding agency, graphic design studios, web publications, digital production studio, multimedia production houses, magazines, newspapers, printing houses, television/entertainment industries, or government agencies.

Each student may be advised to interact and work alongside and make a documentary report of the activity and attach her own photographs of the learning stages. She must submit a softcopy and hardcopy of her work or assignment completed during the training (photographs of portfolio contents preferred).

During the semester class, students should put into practice what they have learned during the training period. And they are supposed to submit the artwork along with the material used during the process. Student will select their project work by the guide or by mentor according their synopsis

Submission:

The findings of the project work to be submitted in the form of as arrange collection presentation as a exhibition or Fashion Show, PowerPoint presentation, One Article writing based on selected project that have CD ,along with project Report(colored print outs in A4 size)and A3 size Designer Portfolio.



	90 days	internship	report
_	, o aayo	mice momp	report

 \square Portfolio file