

**ICFAI**  
UNIVERSITY  
DEHRADUN  
Accredited by NAAC

**THE ICFAI UNIVERSITY**



**DEHRADUN**

**STUDENT**

**HANDBOOK**

**C L A S S O F**  
**2022**



# VISION

**Merit with Ethics**  
**To be a top ranking private university of choice for students, staff and corporate, recognized for excellence in Higher Education and Research especially relevant to social needs.**



# MISSION

**The mission of the University is to offer world class, innovative, career- oriented professional post graduate and undergraduate programs through inclusive technology - aided pedagogies to equip students with the requisite professional and life skills as well as social sensitivity and high sense of ethics. The University will strive to create an intellectually stimulating environment for Research, particularly into areas bearing on the socio- economic and cultural development of the state and the nation**





# PREFACE

THIS STUDENT HANDBOOK IS DESIGNED WITH AN INTENTION TO PROVIDE THE STUDENTS WITH ESSENTIAL INFORMATION ON THE OPERATIONAL FEATURES, PROGRAM STRUCTURES, ACADEMIC AND OTHER REGULATIONS, WHICH THEY ARE BOUND TO FOLLOW DURING HIS/HER STAY AT THE ICFAI UNIVERSITY, DEHRADUN

# CORONAVIRUS PREVENTION



**WASH YOUR HANDS  
AT LEAST 20 SECONDS**



**USE SOAP**



**WEAR MASK**



**AVOID CROWDS**



**AVOID HANDSHAKE**



**DISINFECT CONTACT ELEMENTS**

## Special Guidelines in view of COVID -19

The mode of classes whether online/ blended for odd semester would be conveyed to you. **The odd semester would not be completely off line due to the prevailing uncertainties of the third wave of COVID-19.** At present the state govt has not permitted off line classes. Hence students shall be permitted to continue online mode for the odd semester.

**Vaccination** - If students are permitted to physically join university , depending on state govt orders, they will only be permitted with at least one dose of vaccine, though you are advised to be fully vaccinated for your own safety as well of the others.

**Parents consent** - You will need to get the parents consent .The format of same shall be shared separately.





**WORLD'S  
UNIVERSITIES  
WITH REAL IMPACT**

## 2021 Rankings

**ICFAI University**

has been ranked

**34th place**

among the World's Universities  
with Real Impact  
in Industrial Application

June 10, 2021



**I | P | S**

**TAYLOR INSTITUTE**  
AT FRANKLIN UNIVERSITY SWITZERLAND



Issued by **IPSNC**



**WORLD'S  
UNIVERSITIES  
WITH REAL IMPACT**

## **2021 Rankings**

**ICFAI University**

has been ranked

**101-200**

among the World's Universities  
with Real Impact

June 10, 2021



**I | P | S**

**TAYLOR INSTITUTE**  
AT FRANKLIN UNIVERSITY SWITZERLAND



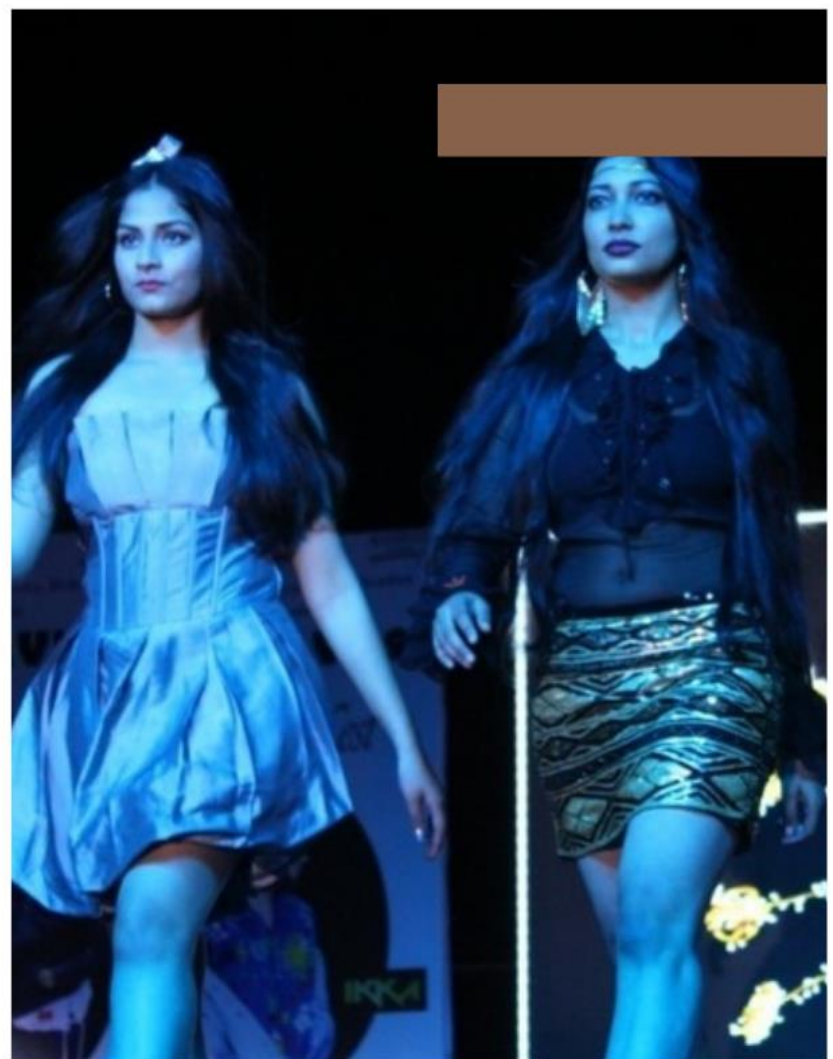
Issued by **IPSNC**







# LIFE@IUD







## The ICFAI University Dehradun

### Academic Calendar 2022 – 2023\* (First Year Students)

Semester	Date	Activity
<b>Odd</b>	<b>August 1, 2022</b>	Odd Semester begins
	<b>August 1 – 5, 2022</b>	Registration for Odd semester
	<b>August 8, 2022</b>	Commencement of Classes
	<b>August 19, 2022</b>	Last date for Late Registration
	<b>September 5 - 9, 2022</b>	Pre mid Internal Assessment
	<b>October 10 - 19, 2022</b>	Midterm Examinations
	<b>November 21 - 25, 2022</b>	Post mid Internal Assessment
	<b>December 5 - 23, 2022</b>	Comprehensive Examinations (Regular & Backlogs)
<b>Summer Term [ June – July, 2023]</b>		
<b>Even</b>	<b>January 2, 2023</b>	Even Semester begins
	<b>January 2 - 4, 2023</b>	Registration for even semester
	<b>January 4, 2023</b>	Commencement of Classes
	<b>January 17, 2023</b>	Last date for Late Registration
	<b>February 6 - 10, 2023</b>	Pre-mid Internal Assessment
	<b>March 6 - 15, 2023</b>	Midterm Examinations
	<b>April 24 - 28, 2023</b>	Post mid Internal Assessment
	<b>May 8 - 22, 2023</b>	Comprehensive Examinations(Regular & Backlogs)
<i>Summer Internship: May 24, 2023 to July 20, 2023</i> <i>Summer Term Examinations: July 17, 2023 onwards</i> <i>Subject to change</i>		



# TABLE OF CONTENT

<b>PART 1 THE ICFAI UNIVERSITY .....</b>	<b>5</b>
1.1 THE ACADEMIC YEAR .....	5
1.2 SCHOOLS .....	5
<b>PART 2 PROGRAM STRUCTURE .....</b>	<b>10</b>
<b>2.1 PROGRAM STRUCTURE OF ICFAI TECH SCHOOL .....</b>	<b>10</b>
2.1.1 B.TECH (COMPUTER SCIENCE & ENGINEERING) PROGRAM GENERAL STRUCTURE (2022-26) .....	13
2.1.2 B.TECH (DATA SCIENCE & ARTIFICIAL INTELLIGENCE ENGINEERING) PROGRAM GENERAL STRUCTURE (2021-25) SECOND YEAR ONWARDS .....	16
2.1.3 B.TECH (DATA SCIENCE & ARTIFICIAL INTELLIGENCE ENGINEERING) PROGRAM GENERAL STRUCTURE (2022-26) .....	19
2.1.4 B.TECH. (MECHATRONICS ENGINEERING) PROGRAM GENERAL STRUCTURE (2021-25 SECOND YEAR ONWARDS) .....	22
2.1.5 B.TECH (MECHATRONICS ENGINEERING) PROGRAM GENERAL STRUCTURE (2022-26) .....	27
2.1.6 B.SC. (DATA SCIENCE) PROGRAM GENERAL STRUCTURE (2022-25) .....	30
2.1.7 B.SC. (MATHEMATICS-HONS.) PROGRAM GENERAL STRUCTURE (2022-25) .....	32
2.1.8 B.TECH. (MECHATRONICS ENGINEERING) PROGRAM GENERAL STRUCTURE (2021-25 SECOND YEAR ONWARDS) .....	34
2.1.9 B.TECH (MECHATRONICS ENGINEERING) PROGRAM GENERAL STRUCTURE (2022-26) .....	37
2.1.10 B.TECH (ELECTRONICS & COMMUNICATION ENGINEERING) PROGRAM GENERAL STRUCTURE (2022-26) .....	40
2.1.11 B. TECH. (CIVIL ENGINEERING) PROGRAM GENERAL STRUCTURE (2022-26) .....	43
2.1.12 B. TECH. (MECHANICAL ENGINEERING) PROGRAM GENERAL STRUCTURE (2022-26) .....	46
2.1.13 BCA – PROGRAM STRUCTURE SEMESTER WISE .....	49
2.1.14 MCA – PROGRAM STRUCTURE SEMESTER WISE .....	50
2.1.15 M.TECH- PROGRAM STRUCTURE SEMESTER WISE .....	51
<b>2.2 PROGRAM STRUCTURE OF B.ED.....</b>	<b>52</b>
<b>2.3 PROGRAM STRUCTURE OF BBA.....</b>	<b>54</b>
2.3.1 PROGRAM STRUCTURE OF BBA (FIA) .....	57
2.3.2 PROGRAM STRUCTURE OF B.A ECONOMICS (HONS) .....	59
2.3.3 PROGRAM STRUCTURE OF B.COM (HONS) .....	61
2.3.4 PROGRAM STRUCTURE OF B.COM (HONS) .....	62
2.3.4 PROGRAM STRUCTURE OF MBA .....	63
<b>2.4 PROGRAM STRUCTURE OF ICFAI LAW SCHOOL .....</b>	<b>65</b>
2.4.1 PROGRAM STRUCTURE FOR MASTER OF LAWS (LL.M) ONE YEAR .....	65
2.4.2 LLB THREE YEAR LAW PROGRAM STRUCTURE .....	67
2.4.3 BBA- LL.B (HONORS) PROGRAMME.....	71
2.4.4 BA.LL.B (HONS.) PROGRAM STRUCTURE.....	78
<b>PART 3 ACADEMIC REGULATIONS.....</b>	<b>86</b>
3.1 GENERAL .....	86
3.2 STRUCTURE OF THE DEGREE PROGRAMS .....	87
3.2.1 REGISTRATION .....	87
3.2.2 TEACHING AND EVALUATION .....	90
3.2.3 MINIMUM ACADEMIC REQUIREMENTS .....	97
3.2.4 GRADUATION AND ELIGIBILITY .....	98
3.2.5 SUMMER TERM.....	100

<b>PART 4 STUDENT CODE OF CONDUCT .....</b>	<b>103</b>
4.1 PRINCIPLES .....	103
4.1.1 THE UNIVERSITY REAFFIRMS ITS COMMITMENT TO .....	103
4.1.2 COVERAGE.....	103
4.1.3 DEFINITIONS IN THIS CODE OF CONDUCT: .....	103
4.2 PERSONAL CONDUCT .....	104
4.3 STUDENTS INDULGENCE IN ANY ACT OUTSIDE THE CAMPUS .....	105
4.4 ACADEMIC CONDUCT .....	105
4.5 HOSTEL RULES.....	106
4.6 ACT OF INDISCIPLINE .....	109
4.7 DISCIPLINARY ACTIONS .....	110
4.8 PROCEDURE FOR TAKING ACTION .....	110
4.9 PROHIBITION OF RAGGING IN THE UNIVERSITY .....	110
4.10 ANTI RAGGING BODIES: .....	111
4.11 SUPERVISION OF THE RAGGING ACTIVITIES.....	112
4.12 PROCEDURE FOR ACTION .....	113
4.13 REFUND POLICY .....	114
<b>PART 5 INTERNSHIP PROGRAM.....</b>	<b>116</b>
5.1 OBJECTIVE .....	116
5.2. STUDENT - FACULTY INTERACTION .....	116
5.3 STUDENT-INDUSTRY SUPERVISOR INTERACTION .....	116
5.4 DISCIPLINE AND CONDUCT .....	117
5.5 EVALUATION CRITERIA .....	117
5.6 PROJECT REPORT .....	117
5.7 SEMINAR/VIVA-VOCE .....	118
5.8 EVALUATION THROUGH OBSERVATION .....	118
5.9 DIARY .....	118
<b>PART 6 ACADEMIC ADMINISTRATION INFRACTURE.....</b>	<b>119</b>
<b>PART 7 ACTIVITY CALENDAR.....</b>	<b>132</b>
7.1 ICFAI EDUCATION SCHOOL .....	132
7.2 ICFAI BUSSINESS SCHOOL.....	133
7.3 ICFAI TECH SCHOOL .....	135
7.4 ICFAI LAW SCHOOL .....	136





Ranking and Awards

Ranked 41th among Top 50 World's Universities with Real Impact (WURI-2022) under Industrial Application.

**The ICFAI  
University  
Dehradun  
Rankings 2022**

Ranked 1st in India among Top 50 World's Universities with Real Impact (WURI-2022) under Industrial Application.

Ranked 36th among Top 100 Private Universities in India; & 1st in Uttarakhand by Education World University Ranking 2022.

Ranked 27th across India and 12th positioned in the 'Diamond Band: Institution of Excellence' category by Mental Health & Wellbeing (MHW) 2022.



# **The ICFAI University Dehradun Rankings 2021**

**Rated AAA Among Top Pvt. & Public University in Uttarakhand by Career 360 Ranking 2020-21.**

**Ranked 34th among Top 50 World's Universities with Real Impact (WURI) Ranking 2021 under Industrial Application.**

**Ranked 45th among Top Universities, In India and only University in Uttarakhand with Times Higher Education World's (THE) Impact Ranking 2021, Which includes 18 tables-One for each of the 17 SDG's as well as one overall Ranking 2020-21.**

**Ranked 1st Among Pvt. Universities in Uttarakhand and 46th at All India Rank (among Pvt. Universities) by Education World – University Rankings 2021**

**Ranked 43th among Top 50 Private Universities in INDIA by OUTLOOK Ranking 2020-21.**

**Ranked 44th among Top 50 World's Universities with Real Impact (WURI) Ranking 2020 under Industrial Application**

# **The ICFAI University Dehradun Rankings 2020**

**Ranked 31<sup>st</sup> among top 52 Universities / Institutions  
in India by India Today - MDRA Best Colleges  
Survey 2020-21.**

**Ranked 13<sup>th</sup> in the Private  
University (Premier Category) by  
Indian Institutional Ranking  
Framework (IIRF, 2020-21).**

**Ranked 2<sup>nd</sup> among  
Top Private  
Universities in  
Uttarakhand; by  
Education World  
Higher Education  
Ranking 2020-21.**

**Ranked 21<sup>st</sup> among  
Top Private  
Universities in North  
India; by Education  
World Higher  
Education Ranking  
2020-21.**

**Ranked 51<sup>st</sup> among  
Top 100 Private  
Universities in India;  
by Education World  
Higher Education  
Ranking 2020-21.**

**The ICFAI  
University,  
Dehradun has been  
awarded E-LEAD  
certified for e-  
Learning by QS-  
IGAUGE 2020**





# PART 1

**THE ICFAI UNIVERSITY  
DEHRADUN**

---



# THE ICFAI UNIVERSITY DEHRADUN

## **PART 1 THE ICFAI UNIVERSITY**

The ICFAI University, Dehradun, Uttarakhand was established under the provisions of the ICFAI University Act 2003, (Act No. 16 of 2003), vide notification No. 908/Higher Education/2003-3(16)/2003 dated 23.09.2003 of the Government of Uttarakhand. The University has been approved by the University Grants Commission, under Section 2(f) of the UGC Act, 1956. The University believes in creating and disseminating knowledge and skills in core and frontier areas through innovative educational programs, research, consulting and publishing, and developing a new cadre of professionals with a high level of competence and deep sense of ethics and commitment to the code of professional conduct. A number of full time campus based educational programs are offered in Science & Technology, Management, Law and Education at Diploma, Bachelor, Master and Doctoral levels.

### **1.1 THE ACADEMIC YEAR**

**At ICFAI UNIVERSITY DEHRADUN, the academic year ( Aug 2022-July 2023) is divided into two semester known as the old ( First) semester and even Semester ( Second) Semester and a term ( called summer term). Each semester is of 18 weeks and summer term is of one or two month's duration.**

### **1.2 SCHOOLS**

**The following Schools are constituents of the University. These have been established to promote quality education and training in the respective fields to match international standards.**





## ICFAI Tech School

Ph.D.

M.Tech.\*

\*Computer Science Engg.

\*Transportation Engg.

B.Tech.#

#Computer Science and Engineering

#Data Science & Artificial Intelligence

#Database Administration & Big Data

#Mechatronics Engineering

#Civil Engineering

#Mechanical Engg.

B.Tech (LE)

BCA & MCA

## ICFAI Law School

• Ph.D

• LL.M.

• BBA-LL.B(Hons)

• BA-LL.B(Hons)

• LL.B.

## ICFAI Education School (IEdS)

Ph.D.

M.Ed.

B.Ed.

## ICFAI Business School (IBS)

Ph.D.

MBA

BBA

BBA(FIA)

B.Com (Hons.)

The background of the slide is a blurred photograph of a library. In the foreground, an open book is visible, showing handwritten text on its pages. The text is partially obscured by a large teal rectangle. The teal rectangle contains the text 'PART 2' and 'Program structures' in a bold, black, sans-serif font. The overall lighting is soft, and the colors are muted, creating a professional and academic atmosphere.

# PART 2

# Program structures

# The ICFAI Tech School Rankings

Ranked 1<sup>st</sup> among Top Engineering Colleges of Uttarakhand by **CSR-GHRDC-2022**.

Ranked 19th among Top Engineering Colleges of Eminence by **CSR-GHRDC-2022**.

Ranked 1st among Top Engineering Colleges of Uttarakhand (Govt. & Pvt.) and 22nd among **Top Engineering Colleges of Eminence (Govt. & Pvt.)** by **CSR GHRDC - Engineering Rankings 2021**.

Ranked 89th in INDIA, by India Today - MDRA Best Colleges Survey **2020**.

Ranked AAA among Best Engineering Colleges of Eminence in India by **Carrier 360-2022**.



Rated AAAA+ Among Top Pvt. Engineering Institutes of Uttarakhand & Ranked 42nd Among Top Private Engineering Institutes in India by Digital Ranking 2020.

Ranked 2nd among Top Engineering Colleges of Uttarakhand and 25th among Top Engineering Colleges of Eminence by CSR GHRDC - Engineering Rankings 2020.

## PART 2 PROGRAM STRUCTURE

### 2.1 Program Structure of ICFAI TECH SCHOOL

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
I		Chemistry	3	0	3		Thermodynamics	3	0	3	
		English Language Skills	3	0	3		Probability & Statistics	3	0	3	
		Linear Algebra	3	0	3		Higher Calculus	3	0	3	
		Physics I	3	0	3		Physics II	3	0	3	
		Engineering Graphics	2	4	4		Scientific Measurements	0	4	2	
		Computer Programming I	3	0	3		Digital Fabrication	2	4	4	
		Environmental Science	2	0	2		Computer Programming II	3	0	3	
<b>Total No of Credits</b>			<b>21</b>			<b>Total No of Credits</b>			<b>21</b>		
II	<b>Semester-III</b>					<b>Semester-IV</b>					
	EES 211	Introduction to Electrical & Electronics Sciences	3	2	4		Digital Signal Processing	3	0	3	
	CS 212	Introduction to DS and AI	2	2	3		Computer Organization and Architecture	3	0	3	
	CS 213	Design and Analysis of Algorithms	3	0	3		Professional Communication	3	0	3	
	PME 214	Principles of Managerial Economics	3	0	3		Web Enabled Technologies	3	0	3	
	CS 215	Data Structures	2	2	3		Data Science	3	0	3	
	MATH 216	Differential Equations & Fourier Series	3	0	3		Database Management Systems	3	2	4	
	HS 217	Humanities Elective 1	3	0	3		Discrete Mathematics	3	0	3	
	CRT 218	CRT	0	2	1		CRT	0	2	1	
<b>Total No of Credits</b>			<b>23</b>			<b>Total No of Credits</b>			<b>23</b>		
<b>SUMMER INTERNSHIP PROGRAM I (for Internship option only)</b>									<b>5</b>		
III	<b>Semester-V</b>					<b>Semester-VI</b>					
		Principle of Cryptography	3	0	3		Open Elective	3	0	3	
		Operating Systems	3	2	4		Computer Networks	3	2	4	
		Theory of Computation	3	0	3		Big Data Systems	3	0	3	
		Machine Learning	3	2	4		Cloud Computing	3	2	4	
		Software Engineering	3	0	3		Programming Language and Compile Construction	3	0	3	
		Blockchain Technology	3	0	3		Computer Vision	3	0	3	
		Open Elective	3	0	3		Special Project/TIP/Capstone Project	0	6	3	
		Audit Course	0	0	0						
	CRT	0	2	1							
<b>Total No of Credits</b>			<b>24</b>			<b>Total No of Credits</b>			<b>23</b>		
<b>Semester-VII</b>					<b>Semester-VIII</b>						

IV	Internship Program II /	18	Internship Program II /	18
	Thesis & Seminar /		Thesis & Seminar /	
	Electives (4) + Professional/Discipline	Electives (4) + Professional/Discipline		
	Humanities Elective (1) (Digital Humanities)	Humanities Elective (1) (Digital Humanities)		
	<b>Total No of Credits</b>	<b>20/18</b>	<b>Total No of Credits</b>	<b>20/18</b>
<b>Total No of Credits</b>				<b>178</b>

Discipline Elective I (V and VI Semester)				
Course Code	Course Title	L	P	U
	Advanced Java	3	0	3
	Advanced Computer Architecture	3	0	3
	Soft Computing	3	0	3
Discipline Elective I (VI Semester)				
	Social Network Analysis	3	0	3
	Real Time Systems	3	0	3
	Human Computer Interface	3	0	3
	Combinatorial Optimization	3	0	3

### Specialization Electives (VII/VIII Semester)

Machine Learning				
Course Code	Course Title	L	P	U
CS404	Deep Learning	3	0	3
CS405	Natural Language Processing	3	0	3
CS406	Information retrieval	3	0	3
CS407	Pattern Recognition	3	0	3

Cyber Security				
Course Code	Course Title	L	P	U
CS404	Ethical Hacking	3	0	3
CS405	Information Security	3	0	3
CS406	IoT Security	3	0	3
CS407	Cyber Security	3	0	3

Networks				
Course Code	Course Title	L	P	U
CS404	Wireless Networks	3	0	3
CS405	Network Administration	3	0	3



CS406	Network Security	3	0	3
CS407	AI in Wireless Communications	3	0	3

<b>Advanced Computing</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS404	High Performance Computing	3	0	3
CS405	Advanced Computer Architecture	3	0	3
CS406	Multicore Architecture	3	0	3
CS407	Parallel Computing	3	0	3

<b>Database</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS401	Database Administration	3	0	3
CS402	SQL & DB Applications	3	0	3
CS403	Database Security & Privacy	3	0	3
CS404	Data Wrangling	3	0	3

### 2.1.1 B.Tech (Computer Science & Engineering) Program General Structure (2022-26)

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
I	MATH 111	Mathematics-I	3	0	3	MATH 121	Mathematics-II	3	0	3	
	EGL 112	English Language Skills	2	2	3	PHY 122	Physics	3	2	4	
	EES 113	Introduction to Electrical and Electronics Sciences	3	2	4	EVS 123	Environment Sciences & SDGs	2	0	2	
	CHEM 114	Chemistry	3	2	4	DSP 124	Digital Signal Processing	3	0	3	
	TA 115	Introduction to DS and AI	3	0	3	HS 125	Professional Communication	3	0	3	
	TA 116	Computer Programming	3	2	4	TA 126	Digital Fabrication	0	6	3	
						DS 127	Data Structures	2	4	4	
<b>Total No of Credits</b>			<b>21</b>			<b>Total No of Credits</b>			<b>22</b>		
II	<b>Semester-III</b>					<b>Semester-IV</b>					
		Introduction to IoT	3	0	3		Database Management Systems	3	2	4	
		Object Oriented Programming Concepts	3	2	4		Computer Organization and Architecture	3	0	3	
		Mathematics-III	3	0	3		Artificial Intelligence	3	0	3	
		Discrete Structure for Computer Science	3	0	3		Web Enabled Technologies (Web 3.0)	3	0	3	
		Design and Analysis of Algorithm	3	0	3		Industry Coding practice (Python & R)	2	2	3	
		Theory of Computation	3	0	3		Speech Processing	3	0	3	
		Principles of Managerial Economics	3	0	3		Data Science	3	0	3	
		CRT	0	2	1		CRT	0	2	1	
		MOOCS (Python Programming// Julia Programming)	0	0	0						
<b>Total No of Credits</b>			<b>23</b>			<b>Total No of Credits</b>			<b>23</b>		
<b>SUMMER INTERNSHIP PROGRAM I (for Internship option only)</b>								<b>5</b>			
III	<b>Semester-V</b>					<b>Semester-VI</b>					
		Principal of Cryptography	3	0	3		Open Elective	3	0	3	
		Operating Systems	3	2	4		Computer Networks	3	2	4	
		Programming Language & Compiler Construction	3	0	3		Big Data Systems	3	0	3	
		Machine Learning	3	0	4		Cloud Computing	3	2	4	
		Software Engineering	3	0	3		Intelligent Transport Systems	3	0	3	
		Open Elective	3	0	3		Computer Vision	3	0	3	
		Audit Course	0	0	0		Special Project/Capstone Project	0	6	3	
	CRT	0	2	1		CRT	0	2	1		
<b>Total No of Credits</b>			<b>21</b>			<b>Total No of Credits</b>			<b>24</b>		

IV	Semester-VII		Semester-VIII		
		Internship Program II /		Internship Program II /	
		Thesis & Seminar /		Thesis & Seminar /	
		Electives (4) + Professional/Discipline		Electives (4) + Professional/Discipline	
		Humanities Elective (1) (Digital Humanities)		Humanities Elective (1) (Digital Humanities)	
	<b>Total No of Credits</b>	<b>20/18</b>	<b>Total No of Credits</b>	<b>20/18</b>	
<b>Total No of Credits</b>				<b>177</b>	

***The Program structure is tentative, subject to change (if required).***

Discipline Elective I (V Semester)				
Course Code	Course Title	L	P	U
	Advanced Java	3	0	3
	Advanced Computer Architecture	3	0	3
	Parallel Computing	3	0	3
	Blockchain Technology	3	0	3
Discipline Elective I (VI Semester)				
	Social Network Analysis	3	0	3
	Real Time Systems	3	0	3
	Human Computer Interface	3	0	3
	Combinatorial Optimization	3	0	3
Digital Humanities Electives I (VII/VIII Semester)				
Course Code	Course Title	L	P	U
	Social Innovation	3	0	3

#### Specialization Electives (VII/VIII Semester)

Machine Learning				
Course Code	Course Title	L	P	U
CS404	Deep Learning	3	0	3
CS405	Natural Language Processing	3	0	3
CS406	Information retrieval	3	0	3
CS407	Pattern Recognition	3	0	3

Cyber Security				
Course Code	Course Title	L	P	U
CS404	Ethical Hacking	3	0	3



CS405	Information Security	3	0	3
CS406	IoT Security	3	0	3
CS407	Cyber Security	3	0	3

<b>Networks</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS404	Wireless Networks	3	0	3
CS405	Network Administration	3	0	3
CS406	Network Security	3	0	3
CS407	AI in Wireless Communications	3	0	3

<b>Advanced Computing</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS404	High Performance Computing	3	0	3
CS405	Advanced Computer Architecture	3	0	3
CS406	Multicore Architecture	3	0	3
CS407	Parallel Computing	3	0	3

<b>Database</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS401	Database Administration	3	0	3
CS402	SQL & DB Applications	3	0	3
CS403	Database Security & Privacy	3	0	3
CS404	Data Wrangling	3	0	3

**2.1.2 B.Tech (Data Science & Artificial Intelligence Engineering) Program General Structure (2021-25) Second year onwards**

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U
<b>I</b>		Chemistry	3	0	3		Thermodynamics	3	0	3
		English Language Skills	3	0	3		Probability & Statistics	3	0	3
		Linear Algebra	3	0	3		Higher Calculus	3	0	3
		Physics I	3	0	3		Physics II	3	0	3
		Engineering Graphics	2	4	4		Scientific Measurements	0	4	2
		Computer Programming I	3	0	3		Digital Fabrication	2	4	4
		Environmental Science	2	0	2		Computer Programming II	3	0	3
		<b>Total No of Credits</b>			<b>21</b>		<b>Total No of Credits</b>			<b>21</b>
<b>II</b>	<b>Semester-III</b>					<b>Semester-IV</b>				
		Introduction to Electrical and Electronics Sciences	3	2	4		Digital Signal Processing	3	0	3
		Introduction to DS and AI	2	2	3		computer Organization and Architecture	3	0	3
		Design and Analysis of Algorithms	3	0	3		Professional Communication	3	0	3
		Principles of Managerial Economics	3	0	3		Web enabled Technologies	3	0	3
		Data Structures	2	2	3		Data Science	3	0	3
		Differential Equations & Fourier Series	3	0	3		Database Management Systems	2	2	3
		Humanities Elective I	3	0	3		Discrete Mathematics	3	0	3
		CRT	0	2	1		CRT	0	2	1
	<b>Total No of Credits</b>			<b>23</b>		<b>Total No of Credits</b>			<b>22</b>	
<b>SUMMER INTERNSHIP PROGRAM I (for Internship option only)</b>									<b>5</b>	
<b>III</b>	<b>Semester-V</b>					<b>Semester-VI</b>				
		Artificial Intelligence	3	0	3		Speech processing	3	2	4
		Machine Learning	3	2	4		Autonomous Vehicles	3	0	3
		Blockchain Technology	3	0	3		Big Data systems	3	2	4
		Operating Systems	3	2	4		Deep Learning	3	0	3
		Soft computing	3	0	3		Open Elective-II	3	0	3
		Data Wrangling and Visualization	3	0	3		Special Project / TIP/Capstone Project	0	6	3
		Open Elective -I	3	0	3		CRT	0	2	1
		CRT	0	2	1		Audit Course	0	0	0
	<b>Total No of Credits</b>			<b>24</b>		<b>Total No of Credits</b>			<b>21</b>	
	<b>Semester-VII</b>					<b>Semester-VIII</b>				
		Internship Program II /					Internship Program II /			

<b>IV</b>		Thesis & Seminar /			Thesis & Seminar /	
		Electives (4)			Electives (4)	
		Humanities Elective (1)			Humanities Elective (1)	
	<b>Total No of Credits</b>		<b>20/18</b>	<b>Total No of Credits</b>		<b>20/18</b>
<b>Total No of Credits</b>						<b>175</b>

*The Program structure is tentative, subject to change (if required).*

Discipline Elective I (V Semester)				
Course Code	Course Title	L	P	U
	Cyber Security	3	0	3
	Database Security and Privacy	3	0	3
	Ethical Hacking	3	0	3
Discipline Elective I (VI Semester)				
	Recommendation Systems	3	0	3
	Predictive Analytics	3	0	3
	Natural Language processing	3	0	3

Digital Humanities Electives I (VII/VIII Semester)				
Course Code	Course Title	L	P	U
	Social Innovation	3	0	3

#### Specialization Electives (VII/VIII Semester)

Data Science				
Course Code	Course Title	L	P	U
CS404	Deep Learning	3	0	3
CS405	Natural Language Processing	3	0	3
CS406	Information retrieval	3	0	3
CS407	Applied Time Series Analysis	3	0	3

Artificial Intelligence				
Course Code	Course Title	L	P	U
CS404	Human Computer Interaction	3	0	3
CS405	Intelligent Control and Cognitive Systems	3	0	3
CS406	Pattern Recognition	3	0	3
CS407	Robotics	3	0	3

<b>Cloud Computing</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS404	Distributed Cloud Computing	3	0	3
CS405	Security & Privacy in Cloud Computing	3	0	3
CS406	Cloud Administration	3	0	3
CS407	Real Time Data Analytics	3	0	3

<b>Blockchain</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS404	Blockchain with IoT	3	0	3
CS405	Information Extraction and Retrieval	3	0	3
CS406	Image and Video Processing	3	0	3
CS407	Supply Chain Analytics	3	0	3

<b>Internet of Things</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS401	Blockchain with IoT	3	0	3
CS402	Embedded Systems	3	0	3
CS403	AI & Humanities	3	0	3
CS404	Innovation & Entrepreneurship	3	0	3



### 2.1.3 B.Tech (Data Science & Artificial Intelligence Engineering) Program General Structure (2022-26)

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
<b>I</b>		Mathematics-I	3	0	3		Mathematics-II	3	0	3	
		English Language Skills	2	2	3		Physics	3	2	4	
		Introduction to Electrical and Electronics Sciences	3	2	4		Environment Sciences & SDGs	2	0	2	
		Chemistry	3	2	4		Digital Signal Processing	3	0	3	
		Introduction to DS and AI	3	0	3		Professional Communication	3	0	3	
		Computer Programming	3	2	4		Digital Fabrication	0	6	3	
							Data Structures	2	4	4	
<b>Total No of Credits</b>			<b>21</b>			<b>Total No of Credits</b>			<b>22</b>		
<b>II</b>	<b>Semester-III</b>					<b>Semester-IV</b>					
		Introduction to IOT	3	0	3		Computer Organization and Architecture	3	0	3	
		Object Oriented Programming Concepts	3	2	4		Artificial Intelligence	3	0	3	
		Mathematics-III	3	0	3		Operating System	3	0	3	
		Design and Analysis of Algorithms	3	0	3		Data Science	3	0	3	
		Database Management Systems	3	2	4		Web enabled Technologies	3	0	3	
		Principles of Managerial Economics	3	0	3		Industry coding practice (Python and R)	2	2	3	
		Discrete Mathematics	3	0	3		Digital Humanities Eective I	3	0	3	
		CRT	0	2	1		CRT	0	2	1	
		MOOC ( Python Programming / Julia Programming)	0	0							
<b>Total No of Credits</b>			<b>24</b>			<b>Total No of Credits</b>			<b>22</b>		
<b>SUMMER INTERNSHIP PROGRAM I (for Internship option only)</b>									<b>5</b>		
<b>III</b>	<b>Semester-V</b>					<b>Semester-VI</b>					
		Soft computing	3	0	3		Speech Processing	3	0	3	
		Machine Learning	3	2	4		Deep Learning	3	0	3	
		Blockchain Technology	3	0	3		Big Data systems	3	2	4	
		Computer Networks	3	2	4		Autonomous Vehicles	3	0	3	
		Data Wrangling and Visualization	2	2	3		Elective-II (Core)	3	0	3	
		Elective-I (Core)	3	0	3		Special Project / TIP/Capstone Project	0	6	3	
		Audit Course	0	0	0		CRT	0	2	1	
	CRT	0	2	1							
<b>Total No of Credits</b>			<b>21</b>			<b>Total No of Credits</b>			<b>24</b>		
	<b>Semester-VII</b>					<b>Semester-VIII</b>					
		Internship Program II /					Internship Program II /				

<b>IV</b>		Thesis & Seminar /			Thesis & Seminar /	
		Electives (4)			Electives (4)	
		Humanities Elective (1)			Humanities Elective (1)	
	<b>Total No of Credits</b>		<b>20/18</b>	<b>Total No of Credits</b>		<b>20/18</b>
<b>Total No of Credits</b>						<b>177</b>

*The Program structure is tentative, subject to change (if required).*

Discipline Elective I (V Semester)				
Course Code	Course Title	L	P	U
	Cyber Security	3	0	3
	Database Security and Privacy	3	0	3
	Ethical Hacking	3	0	3
Discipline Elective I (VI Semester)				
	Recommendation Systems	3	0	3
	Predictive Analytics	3	0	3
	Natural Language processing	3	0	3

Digital Humanities Electives I (VII/VIII Semester)				
Course Code	Course Title	L	P	U
	Social Innovation	3	0	3

#### Specialization Electives (VII/VIII Semester)

Data Science				
Course Code	Course Title	L	P	U
CS404	Deep Learning	3	0	3
CS405	Natural Language Processing	3	0	3
CS406	Information retrieval	3	0	3
CS407	Applied Time Series Analysis	3	0	3

Artificial Intelligence				
Course Code	Course Title	L	P	U
CS404	Human Computer Interaction	3	0	3
CS405	Intelligent Control and Cognitive Systems	3	0	3
CS406	Pattern Recognition	3	0	3
CS407	Robotics	3	0	3

<b>Cloud Computing</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS404	Distributed Cloud Computing	3	0	3
CS405	Security & Privacy in Cloud Computing	3	0	3
CS406	Cloud Administration	3	0	3
CS407	Real Time Data Analytics	3	0	3

<b>Blockchain</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS404	Blockchain with IoT	3	0	3
CS405	Information Extraction and Retrieval	3	0	3
CS406	Image and Video Processing	3	0	3
CS407	Supply Chain Analytics	3	0	3

<b>Internet of Things</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
CS401	Blockchain with IoT	3	0	3
CS402	Embedded Systems	3	0	3
CS403	AI & Humanities	3	0	3
CS404	Innovation & Entrepreneurship	3	0	3



**2.1.4 B.Tech. (Mechatronics Engineering) Program General Structure (2021-25 Second Year onwards)**

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
		<b>Semester-III</b>					<b>Semester-IV</b>				
II	EES 211	Introduction to Electrical & Electronics Sciences	3	2	4		Digital signal processing	3	0	3	
	TA 212	Introduction to DS and AI	3	0	3		Thermal Engineering	3	0	3	
	MEC 213	Engineering Mechanics	3	0	3		Manufacturing Processes and Metrology	3	2	4	
	PME 214	Principles of Managerial Economics	3	0	3		Humanities elective	3	0	3	
	MEC 215	Engineering Materials	3	0	3		Matlab based Numerical Methods	3	0	3	
	MATH 216	Differential Equations & Fourier Series	3	0	3		Strength of Materials	3	0	3	
	MEC 217	Elements of Mechatronics	3	0	3		Kinematics & Dynamics of Machinery	3	0	3	
	CRT 218	CRT	0	2	1		CRT	0	2	1	
	<b>Total No of Credits</b>		2	1	4	2	<b>Total No of Credits</b>		2	1	4
<b>SUMMER INTERNSHIP PROGRAM</b>									<b>5</b>		
		<b>Semester-V</b>					<b>Semester-VI</b>				
		Control Systems	3	0	3		Microprocessor and Micro controllers	3	2	4	
II I		Sensors , Actuators and Drivers	3	2	4		Mechatronic System Design	3	0	3	
		FM and HM	3	2	4		Robotics and Automation	3	0	3	
		CAD/CAM/CAE	3	2	3		Hydraulics and Pneumatic Systems	3	2	4	
		Micro Electro Mechanical Systems	3	0	3		Modelling & Simulation (DE-2)	3	2	4	
		Design of Machine Elements	3	0	3		Special Project / TIP/Capstone Project	0	6	3	

	Open Elective	3	3	3		CRT	0	2	1	
	Audit Course	0	0	0						
	CRT	0	2	1						
<b>Total No of Credits</b>		2	1	2	<b>Total No of Credits</b>			1	1	2
		1	1	4			5	4	2	
<b>Semester-VII</b>					<b>Semester-VIII</b>					
I V	IP401/	Internship Program II /			IP401/	Internship Program II /				
	TS401	Thesis & Seminar			TS401	Thesis & Seminar				
	–	Electives (4)+ Professional/Discipline			–	Electives (4)+ Professional/Discipline				
	–	Humanities Electives (1)			–	Humanities Electives (1)				
<b>Total No of Credits</b>		<b>20/18</b>			<b>Total No of Credits</b>			<b>20/18</b>		
<b>Total No of Credits</b>							<b>172</b>			

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U
	<b>Semester-III</b>					<b>Semester-IV</b>				
II	EES 211	Introduction to Electrical & Electronics Sciences	3	2	4		Digital signal processing			
	TA 212	Introduction to DS and AI	3	0	3		Thermal Engineering	3	0	3
	MEC 213	Engineering Mechanics	3	0	3		Manufacturing Processes and Metrology	3	2	4
	PME 214	Principles of Managerial Economics	3	0	3		Humanities elective	3	0	3
	MEC 215	Engineering Materials	3	0	3		Matlab based Numerical Methods	3	0	3
	MAT H 216	Differential Equations & Fourier Series	3	0	3		Strength of Materials	3	0	3
	MEC 217	Elements of Mechatronics	3	0	3		Kinematics & Dynamics of Machinery	3	0	3
	CRT 218	CRT	0	2	1		CRT	0	2	1

<b>Total No of Credits</b>			2 1	4	2 3	<b>Total No of Credits</b>			2 1	4	2 3
<b>SUMMER INTERNSHIP PROGRAM</b>									<b>5</b>		
<b>Semester-V</b>						<b>Semester-VI</b>					
		Control Systems	3	0	3		Microprocessor and Micro controllers	3	2	4	
III		Sensors , Actuators and Drivers	3	2	4		Mechatronic System Design	3	0	3	
		FM and HM	3	2	4		Robotics and Automation	3	0	3	
		CAD/CAM/CAE	3	2	3		Hydraulics and Pneumatic Systems	3	2	4	
		Micro Electro Mechanical Systems	3	0	3		Modelling & Simulation (DE-2)	3	2	4	
		Design of Machine Elements	3	0	3		Special Project / TIP/Capstone Project	0	6	3	
		Open Elective	3	3	3		CRT	0	2	1	
		Audit Course	0	0	0						
		CRT	0	2	1						
<b>Total No of Credits</b>			2 1	1 1	24	<b>Total No of Credits</b>			1 5	1 4	2 2
<b>Semester-VII</b>						<b>Semester-VIII</b>					
IV	IP401/	Internship Program II /				IP401/	Internship Program II /				
	TS401	Thesis & Seminar				TS401	Thesis & Seminar				
	-	Electives (4)+ Professional/Discipline				-	Electives (4)+ Professional/Discipline				
	-	Humanities Electives (1)				-	Humanities Electives (1)				
<b>Total No of Credits</b>			<b>20/18</b>			<b>Total No of Credits</b>			<b>20/18</b>		
<b>Total No of Credits</b>									<b>172</b>		

Digital Humanities Electives I (VI Semester)							
Course Code	Course Title				L	P	U
	Social Innovation				3	0	3



Specialization Electives (VII/VIII Semester)

Robotics				
Course Code	Course Title	L	P	U
	Advances in Robotics	3	0	3
	Haptics	3	0	3
	Computational Motion Planning	3	0	3
	Humanoids	3	0	3
	Human Robot Interaction (HRI)	3	0	3
	Mobile Robotics	3	0	3
	Unmanned Aerial Vehicles	3	0	3

Bio-Robotics				
Course Code	Course Title	L	P	U
	Medical Devices	3	0	3
	Tissue Modelling	3	0	3
	Medical Image Processing	3	0	3
	Cognitive Robotics	3	0	3
	Surgical Robots	3	0	3
	Machine Perception	3	0	3

Medical Robotics				
Course Code	Course Title	L	P	U
	Medical Devices	3	0	3
	Tissue Modelling	3	0	3
	Medical Image Processing	3	0	3
	Cognitive Robotics	3	0	3
	Surgical Robots	3	0	3
	Machine Perception	3	0	3

Mechatronics				
Course Code	Course Title	L	P	U
	Nano Electro Mechanical Systems	3	0	3
	Smart Materials	3	0	3
	CNC Technology	3	0	3
	Computer Integrated Manufacturing	3	0	3

	Hydraulic and Pneumatic Systems	3	0	3
--	---------------------------------	---	---	---

<b>Humanities Electives</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
	Dynamics of Social Change	3	0	3
	Introduction to Psychology	3	0	3
	Heritage of India	3	0	3
	Modern Political Science	3	0	3
	Public Administration	3	0	3
	Professional Ethics	3	0	3

### 2.1.5 B.Tech (Mechatronics Engineering) Program General Structure (2022-26)

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
I		Mathematics-I	3	0	3		Mathematics-II	3	0	3	
		English	2	2	3		Physics	3	2	4	
		Introduction to Electrical & Electronics Sciences	3	2	4		Environment Sciences & SDGs	2	0	2	
		Chemistry	3	2	4		Digital Signal Processing	3	0	3	
		Introduction to DS and AI	3	0	3		Professional Communication	3	0	3	
		Computer Programming	3	2	4		Workshop Practice	2	2	3	
		Essence of Indian Traditional Knowledge ( Audit)	0	0	0		Engineering Graphics	2	2	3	
<b>Total No of Credits</b>			17	8	21	<b>Total No of Credits</b>			18	6	21
<b>Semester-III</b>					<b>Semester-IV</b>						
		Introduction to IOT	3	0	3		Strength of Materials	2	2	3	
		Object Oriented Programming Concepts	2	4	4		Thermal Engineering	3	0	3	
II		Mathematics-III	3	0	3		FM and HM	3	2	4	
		Elements of Mechatronics	3	0	3		Industry Coding Practice (Python and R)	2	2	3	
		Engineering Mechanics	3	0	3		Matlab based Numerical Methods	3	0	3	
		Principles of Managerial Economics	3	0	3		Data Structures	2	4	4	
		Kinematics & Dynamics of Machinery	3	0	3		Design of Machine Elements	3	0	3	
		CRT	0	2	1		CRT	0	2	1	
<b>Total No of Credits</b>			20	6	23	<b>Total No of Credits</b>			18	12	24
<b>SUMMER INTERNSHIP PROGRAM I (for Internship option only)</b>											
<b>5</b>											
<b>Semester-V</b>					<b>Semester-VI</b>						
		Control Systems	3	0	3		Microprocessor and Micro controllers	3	0	3	
III		Sensors , Actuators and Drivers	3	2	4		Digital Humanities Elective1	3	0	3	
		Manufacturing Processes and Metrology	2	2	3		Mechatronic System Design	3	0	3	
		CAD/CAM	3	0	3		Autonomous Vehicles	3	0	3	
		Micro Electro Mechanical Systems	3	0	3		Intelligent Transport Systems	3	0	3	

		Autotronics	3	0	3		Robotics and Automation	3	0	3	
		Audit Course	0	0	0	-	Special Project /TIP/Capstone Project	0	6	3	
		CRT	0	2	1		CRT	0	2	1	
<b>Total No of Credits</b>			<b>17</b>	<b>6</b>	<b>20</b>	<b>Total No of Credits</b>			<b>18</b>	<b>8</b>	<b>22</b>
<b>Semester-VII</b>					<b>Semester-VIII</b>						
IV	IP401/	Internship Program II /Thesis				IP401/	Internship Program II /Thesis				
	-	Electives (4)+ Professional/Discipline				-	Electives (4)+ Professional/Discipline				
	-	Humanities Electives (1)				-	Humanities Electives (1)				
<b>Total No of Credits</b>			<b>20/18</b>			<b>Total No of Credits</b>			<b>20/18</b>		
<b>Total No of Credits</b>											<b>174</b>

Digital Humanities Electives I (VI Semester)				
Course Code	Course Title	L	P	U
	Social Innovation	3	0	3

#### Specialization Electives (VII/VIII Semester)

Robotics				
Course Code	Course Title	L	P	U
	Advances in Robotics	3	0	3
	Haptics	3	0	3
	Computational Motion Planning	3	0	3
	Humanoids	3	0	3
	Human Robot Interaction (HRI)	3	0	3
	Mobile Robotics	3	0	3
	Unmanned Aerial Vehicles	3	0	3

Bio-Robotics				
Course Code	Course Title	L	P	U
	Medical Devices	3	0	3
	Tissue Modelling	3	0	3
	Medical Image Processing	3	0	3
	Cognitive Robotics	3	0	3



	Surgical Robots	3	0	3
	Machine Perception	3	0	3

<b>Medical Robotics</b>				
Course Code	Course Title	L	P	U
	Medical Devices	3	0	3
	Tissue Modelling	3	0	3
	Medical Image Processing	3	0	3
	Cognitive Robotics	3	0	3
	Surgical Robots	3	0	3
	Machine Perception	3	0	3

<b>Mechatronics</b>				
Course Code	Course Title	L	P	U
	Nano Electro Mechanical Systems	3	0	3
	Smart Materials	3	0	3
	CNC Technology	3	0	3
	Computer Integrated Manufacturing	3	0	3
	Hydraulic and Pneumatic Systems	3	0	3

<b>Humanities Electives</b>				
Course Code	Course Title	L	P	U
	Dynamics of Social Change	3	0	3
	Introduction to Psychology	3	0	3
	Heritage of India	3	0	3
	Modern Political Science	3	0	3
	Public Administration	3	0	3
	Professional Ethics	3	0	3

### 2.1.6 B.Sc. (Data Science) Program General Structure (2022-25)

Year	Course Code	I Semester	L P U	Course Code	II Semester	L P U
Certification Level (I)	EGL111	English Language Skills	3 0 3	EGL121	Professional Communication	3 0 3
	MATH112	Linear Algebra	3 0 3	MATH122	Higher Calculus	3 0 3
	MATH113	Introduction to Probability	3 0 3	MATH123	Introduction to Statistics	3 0 3
	DAC114	Computer Programming using C	2 2 3	DAC124	Data structures	2 2 3
	DAC115	Introduction to FinTech	3 0 3	DAC125	Computer Programming using Python	3 0 3
	EVS116	Environmental Sciences & SDGs	3 0 3	DAC126	Foundation of Data Science	3 0 3
<b>Total No of Credits</b>			<b>18</b>	<b>Total No of Credits</b>		
			<b>18</b>			
Year	Course Code	III Semester	L P U	Course Code	IV Semester	L P U
Diploma level (II)	DAC211	Design and Analysis of Algorithms	3 2 4	EGL221	Soft Skills	3 0 3
	DAC212	Data Wrangling	3 0 3	DAC222	Object Oriented Programming Concepts C++	3 0 3
	DAC213	Data Base Management Systems	3 0 3	MATH223	Optimization Techniques	3 0 3
	DAC214	Discrete Structures for Computer Science	3 0 3	DAC224	Data Visualization in Data Science	3 0 3
	DAC215	Design Thinking	3 0 3	DAC225	Machine Learning	2 2 3
	DAC216	Operating Systems	3 0 3	DAC226	Data warehousing and Mining	3 0 3
	<b>Total No of Credits</b>			<b>19</b>	<b>Total No of Credits</b>	
			<b>19</b>			
<b>SUMMER INTERNSHIP PROGRAM</b>						<b>5</b>
Year	Course Code	V Semester	L P U	Course Code	VI Semester	L P U
Degree level (III)	DAC311	Web Embedded Technologies	3 0 3	DAC321	Software Project Management	4 0 4
		Electives (3)	3 0 3		Electives (3)	3 0 3
		Humanities Elective (1)	3 0 3		Humanities Elective (1)	3 0 3
	CP-I	Capstone Project-I (TIC)	6	CP-II	Capstone Project-II (TIC)	6
<b>Total No of Credits</b>			<b>21</b>	<b>Total No of Credits</b>		
			<b>21</b>			
<b>Total credits</b>						<b>121</b>
<b>Electives</b>						
Course Code	The students of B.Sc. Data Science are allowed to choose the electives offered by B.Tech CSE and B.Tech DS & AI of ICFAI Tech School. The list of electives has to be included in the list					L P U
DAC312	Natural Language processing					3 0 3
DAC313	Soft Computing					3 0 3
DAC314	Principles of Artificial Intelligence					3 0 3
DAC322	Predictive Modelling and Analysis					3 0 3
DAC323	Artificial Neural Networks					3 0 3
DAC324	Deep Learning					3 0 3

<b>Humanities Electives</b>		
HS315	Dynamics of social change	3 0 3
HS316	Introduction to Psychology	3 0 3
HS317	Heritage of India	3 0 3
HS325	Modern Political Science	3 0 3
HS326	Public Administration	3 0 3
HS327	Professional Ethics	3 0 3

### 2.1.7 B.Sc. (Mathematics-Hons.) Program General Structure (2022-25)

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
I	MATH111	Matrix Algebra, Differential & Integral Calculus	3	0	3		Ordinary Differential Equations & Vector Analysis	3	0	3	
	ENG 112	English Language Skills	2	2	3		Chemistry	3	2	4	
	MATH 113	Real Analysis	3	2	4		Environment Sciences	2	0	2	
	PHY 114	Physics	3	2	4		Algebra	3	0	3	
	CS 115	Introduction to DS and AI	3	0	3		Professional Communication	2	0	2	
	CS 116	Computer Programming	3	2	4		Data Structures	2	4	4	
	<b>Total No of Credits</b>			<b>21</b>			<b>Total No of Credits</b>			<b>18</b>	
II	<b>Semester-III</b>					<b>Semester-IV</b>					
		Introduction to IOT	2	2	3		Stochastic Processes	3	0	3	
		Object Oriented Programming Concepts	2	4	4		Artificial Intelligence	3	0	3	
		Integral Transformations	3	0	3		Numerical Methods	3	0	3	
		Design and Analysis of Algorithms	3	0	3		Partial Differential Equations	3	0	3	
		Discrete Structures for Computer Science	3	0	3		Industry coding practice (Python and R)	2	2	3	
		Introduction to Number Theory	3	0	3		Digital Humanities Eective1	3	0	3	
		CRT	0	2	1		CRT	0	2	1	
		MOOC (Python Programming / Julia Programming)	0	0	0						
<b>Total No of Credits</b>			<b>20</b>			<b>Total No of Credits</b>			<b>19</b>		
<b>SUMMER INTERNSHIP PROGRAM I (for Internship option only)</b>								<b>5</b>			
III	<b>Semester-V</b>					<b>Semester-VI</b>					
		Complex analysis	3	0	3		Humanities Electives (1)	3	0	3	
		Rings and Fields	3	0	3		Electives (4)			12	
		Operational Research	3	0	3						
		Cryptography	3	0	3						
		Differential Geometry & Tensor Calculus	3	0	3						
<b>Total No of Credits</b>			<b>15</b>			<b>Total No of Credits</b>			<b>15</b>		
<b>Total No of Credits</b>								<b>113</b>			

*The Program structure is tentative, subject to change (if required).*

Electives for B.Sc. (Mathematics-Hons.)				
Course Code	Course Title	L	P	U
MATH321	Topology	3	0	3
MATH322	Combinatorial Mathematics	3	0	3
MATH323	Advanced Probability Theory	3	0	3
MATH324	Statistical Methods	3	0	3
MATH325	Graph Theory	3	0	3
MATH326	Soft Computing	3	0	3
MATH327	Database Management Systems	3	0	3
MATH328	Introduction to Machine Learning	3	0	3

List of Humanities Electives				
Course Code	Course Title	L	P	U
HS311	Dynamics of Social Change	3	0	3
HS312	Introduction to Psychology	3	0	3
HS313	Heritage of India	3	0	3
HS314	Modern Political Science	3	0	3
HS315	Public Administration	3	0	3
HS316	Professional Ethics	3	0	3



**2.1.8 B.Tech. (Mechatronics Engineering) Program General Structure (2021-25 Second Year onwards)**

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
		<b>Semester-III</b>					<b>Semester-IV</b>				
II		Introduction to Electrical & Electronics Sciences	3	2	4		Digital signal processing	3	0	3	
		Introduction to DS and AI	3	0	3		Thermal Engineering	3	0	3	
		Engineering Mechanics	3	0	3		Manufacturing Processes and Metrology	3	2	4	
		Principles of Managerial Economics	3	0	3		Humanities elective	3	0	3	
		Engineering Materials	3	0	3		Matlab based Numerical Methods	3	0	3	
		Differential Equations & Fourier Series	3	0	3		Strength of Materials	3	0	3	
		Elements of Mechatronics	3	0	3		Kinematics & Dynamics of Machinery	3	0	3	
		CRT	0	2	1		CRT	0	2	1	
		<b>Total No of Credits</b>		21	4	23	<b>Total No of Credits</b>		21	4	23
<b>SUMMER INTERNSHIP PROGRAM</b>									<b>5</b>		
		<b>Semester-V</b>					<b>Semester-VI</b>				
		Control Systems	3	0	3		Microprocessor and Micro controllers	3	2	4	
III		Sensors , Actuators and Drivers	3	2	4		Mechatronic System Design	3	0	3	
		FM and HM	3	2	4		Robotics and Automation	3	0	3	
		CAD/CAM/CAE	3	2	3		Hydraulics and Pneumatic Systems	3	2	4	
		Micro Electro Mechanical Systems	3	0	3		Modelling & Simulation (DE-2)	3	2	4	

		Design of Machine Elements	3	0	3		Special Project / TIP/Capstone Project	0	6	3	
		Open Elective	3	3	3		CRT	0	2	1	
		Audit Course	0	0	0						
		CRT	0	2	1						
<b>Total No of Credits</b>			21	11	24	<b>Total No of Credits</b>			15	14	22
<b>Semester-VII</b>						<b>Semester-VIII</b>					
IV	IP401/	Internship Program II /				IP401/	Internship Program II /				
	TS401	Thesis & Seminar				TS401	Thesis & Seminar				
	-	Electives (4)+ Professional/Discipline				-	Electives (4)+ Professional/Discipline				
	-	Humanities Electives (1)				-	Humanities Electives (1)				
<b>Total No of Credits</b>			<b>20/18</b>			<b>Total No of Credits</b>			<b>20/18</b>		
<b>Total No of Credits</b>										<b>172</b>	

Digital Humanities Electives I (VI Semester)				
Course Code	Course Title	L	P	U
	Social Innovation	3	0	3

#### Specialization Electives (VII/VIII Semester)

Robotics				
Course Code	Course Title	L	P	U
	Advances in Robotics	3	0	3
	Haptics	3	0	3
	Computational Motion Planning	3	0	3
	Humanoids	3	0	3
	Human Robot Interaction (HRI)	3	0	3
	Mobile Robotics	3	0	3
	Unmanned Aerial Vehicles	3	0	3

Bio-Robotics				
Course Code	Course Title	L	P	U

	Medical Devices	3	0	3
	Tissue Modelling	3	0	3
	Medical Image Processing	3	0	3
	Cognitive Robotics	3	0	3
	Surgical Robots	3	0	3
	Machine Perception	3	0	3

<b>Medical Robotics</b>				
Course Code	Course Title	L	P	U
	Medical Devices	3	0	3
	Tissue Modelling	3	0	3
	Medical Image Processing	3	0	3
	Cognitive Robotics	3	0	3
	Surgical Robots	3	0	3
	Machine Perception	3	0	3

<b>Mechatronics</b>				
Course Code	Course Title	L	P	U
	Nano Electro Mechanical Systems	3	0	3
	Smart Materials	3	0	3
	CNC Technology	3	0	3
	Computer Integrated Manufacturing	3	0	3
	Hydraulic and Pneumatic Systems	3	0	3

<b>Humanities Electives</b>				
Course Code	Course Title	L	P	U
	Dynamics of Social Change	3	0	3
	Introduction to Psychology	3	0	3
	Heritage of India	3	0	3
	Modern Political Science	3	0	3
	Public Administration	3	0	3
	Professional Ethics	3	0	3

### 2.1.9 B.Tech (Mechatronics Engineering) Program General Structure (2022-26)

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
I		Mathematics-I	3	0	3		Mathematics-II	3	0	3	
		English Language Skills	2	2	3		Physics	3	2	4	
		Introduction to Electrical & Electronics Sciences	3	2	4		Environment Sciences & SDGs	2	0	2	
		Chemistry	3	2	4		Digital Signal Processing	3	0	3	
		Introduction to DS and AI	3	0	3		Professional Communication	3	0	3	
		Computer Programming	3	2	4		Digital Fabrication	2	2	3	
		Essence of Indian Traditional Knowledge ( Audit)	0	0	0		Engineering Graphics	2	2	3	
<b>Total No of Credits</b>			17	8	21	<b>Total No of Credits</b>			18	6	21
<b>Semester-III</b>					<b>Semester-IV</b>						
		Introduction to IOT	3	0	3		Strength of Materials	2	2	3	
		Object Oriented Programming Concepts	2	4	4		Thermal Engineering	3	0	3	
II		Mathematics-III	3	0	3		FM and HM	3	2	4	
		Elements of Mechatronics	3	0	3		Industry Coding Practice (Python and R)	2	2	3	
		Engineering Mechanics	3	0	3		Matlab based Numerical Methods	3	0	3	
		Principles of Managerial Economics	3	0	3		Data Structures	2	4	4	
		Kinematics & Dynamics of Machinery	3	0	3		Design of Machine Elements	3	0	3	
		CRT	0	2	1		CRT	0	2	1	
<b>Total No of Credits</b>			20	6	23	<b>Total No of Credits</b>			18	12	24
<b>SUMMER INTERNSHIP PROGRAM I (for Internship option only)</b>											
<b>5</b>											
<b>Semester-V</b>					<b>Semester-VI</b>						
		Control Systems	3	0	3		Microprocessor and Micro controllers	3	0	3	
III		Sensors , Actuators and Drivers	3	2	4		Digital Humanities Elective I	3	0	3	
		Manufacturing Processes and Metrology	2	2	3		Mechatronic System Design	3	0	3	
		CAD/CAM	3	0	3		Autonomous Vehicles	3	0	3	
		Micro Electro	3	0	3		Intelligent Transport	3	0	3	

		Mechanical Systems					Systems				
		Autotronics	3	0	3		Robotics and Automation	3	0	3	
		Audit Course	0	0	0	-	Special Project /TIP/Capstone Project	0	6	3	
		CRT	0	2	1		CRT	0	2	1	
<b>Total No of Credits</b>			17	6	20	<b>Total No of Credits</b>			18	8	22
<b>Semester-VII</b>					<b>Semester-VIII</b>						
IV	IP401/	Internship Program II /Thesis				IP401/	Internship Program II /Thesis				
	-	Electives (4)+ Professional/Discipline				-	Electives (4)+ Professional/Discipline				
	-	Humanities Electives (1)				-	Humanities Electives (1)				
<b>Total No of Credits</b>			<b>20/18</b>			<b>Total No of Credits</b>			<b>20/18</b>		
<b>Total No of Credits</b>											<b>174</b>

### Specialization Electives (VII/VIII Semester)

Digital Humanities Electives I (VI Semester)				
Course Code	Course Title	L	P	U
	Social Innovation	3	0	3

Robotics				
Course Code	Course Title	L	P	U
	Advances in Robotics	3	0	3
	Haptics	3	0	3
	Computational Motion Planning	3	0	3
	Humanoids	3	0	3
	Human Robot Interaction (HRI)	3	0	3
	Mobile Robotics	3	0	3
	Unmanned Aerial Vehicles	3	0	3

Bio-Robotics				
Course Code	Course Title	L	P	U
	Medical Devices	3	0	3
	Tissue Modelling	3	0	3
	Medical Image Processing	3	0	3
	Cognitive Robotics	3	0	3



	Surgical Robots	3	0	3
	Machine Perception	3	0	3

<b>Medical Robotics</b>				
Course Code	Course Title	L	P	U
	Medical Devices	3	0	3
	Tissue Modelling	3	0	3
	Medical Image Processing	3	0	3
<b>Mechatronics</b>				
Course Code	Course Title	L	P	U
	Machine Perception	3	0	3
	Nano Electro Mechanical Systems	3	0	3
	Smart Materials	3	0	3
	CNC Technology	3	0	3
	Computer Integrated Manufacturing	3	0	3
	Hydraulic and Pneumatic Systems	3	0	3
<b>Humanities Electives</b>				
Course Code	Course Title	L	P	U
	Dynamics of Social Change	3	0	3
	Introduction to Psychology	3	0	3
	Heritage of India	3	0	3
	Modern Political Science	3	0	3
	Public Administration	3	0	3
	Professional Ethics	3	0	3

**2.1.10 B.Tech (Electronics & Communication Engineering) Program General Structure  
(2022-26)**

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
I		Mathematics-I	3	0	3		Mathematics-II	3	0	3	
		English Language Skills	2	2	3		Physics	3	2	4	
		Introduction to Electrical & Electronics Sciences	3	2	4		Environment Sciences & SDGs	2	0	2	
		Chemistry	3	2	4		Digital Signal Processing	3	0	3	
		Introduction to DS and AI	3	0	3		Professional Communication	3	0	3	
		Computer Programming	3	2	4		Digital Fabrication	0	6	3	
		Audit Course	2	0	0		Data Structures	2	4	4	
<b>Total No of Credits</b>			19	8	21	<b>Total No of Credits</b>			16	12	22
II	<b>Semester-III</b>					<b>Semester-IV</b>					
		Introduction to IoT	3	0	3		Microprocessor Programming & Interfacing	3	2	4	
		Object Oriented Programming Concepts	2	4	4		Speech Processing	3	0	3	
		Mathematics-III	3	0	3		Web enabled Technology	3	0	3	
		Circuit Theory	2	0	2		Industry coding practice (Python and R)	2	2	3	
		Control Systems	3	0	3		Hardware modelling using Verilog	3	2	4	
		Principles of Managerial Economics	3	0	3		Analog Electronics	2	2	3	
		Electronic Devices	3	0	3		Digital Humanities Elective1	3	0	3	
		CRT	0	2	1		CRT	0	2	1	
<b>Total No of Credits</b>			19	6	22	<b>Total No of Credits</b>			19	10	24
<b>SUMMER INTERNSHIP PROGRAM I (for Internship option only)</b>										<b>5</b>	
III	<b>Semester-V</b>					<b>Semester-VI</b>					
		Computer Organization and Architecture	3	0	3		ASIC Design	3	0	3	

	Analog and Digital Communication (Core)	3	2	4		Embedded systems	3	0	3
	Digital VLSI Design (Core)	3	0	3		Autonomous vehicles	3	0	3
	ML Based Signal Processing	3	0	3		RF & Microwave Engineering	3	2	4
	Computer Networks	3	0	3		CMOS Analog Integrated Circuit Design	3	0	3
	Electromagnetic Fields Waves (Core)	3	0	3	-	Special Project / TIP/Capstone Project	0	6	3
	Audit Course	0	0	0		CRT	0	2	1
	CRT	0	2	1					
<b>Total No of Credits</b>		18	4	20	<b>Total No of Credits</b>		12	10	20
<b>Semester-VII</b>					<b>Semester-VIII</b>				
IV	IP401/	Internship Program II /			IP401/	Internship Program II /			
	TS401	Thesis & Seminar			TS401	Thesis & Seminar			
	-	Electives (4)+ Professional/Discipline			-	Electives (4)+ Professional/Discipline			
	-	Humanities Electives (1)			-	Humanities Electives (1)			
<b>Total No of Credits</b>		<b>20/18</b>			<b>Total No of Credits</b>		<b>20/18</b>		
<b>Total No of Credits</b>					<b>172</b>				

Digital Humanities Electives I (VI Semester)				
Course Code	Course Title	L	P	U
	Social Innovation	3	0	3

Specialization Electives (VII/VIII Semester)

Communication Electives				
Course Code	Course Title	L	P	U
	Optical Communications	3	0	3
	Wireless Communication Networks	3	0	3
	Satellite Communications	3	0	3
	Mobile Communication	3	0	3

Microwave Electives				
Course Code	Course Title	L	P	U
	Antenna and wave propagation	3	0	3
	Radar Systems	3	0	3

	RF & Microwave Communication circuits and systems	3	0	3
	Smart Antennas for Mobile Communication	3	0	3

<b>VLSI Electives</b>				
Course Code	Course Title	L	P	U
	Low power VLSI Design	3	0	3
	Digital Systems	3	0	3
	CPLD & FPGA	3	0	3
	IC Applications	3	0	3

<b>Embedded Electives</b>				
Course Code	Course Title	L	P	U
	Bio-Medical Electronics	3	0	3
	DSP Processors and Architecture	3	0	3
	Microcontrollers & Applications	3	0	3

<b>Design Electives</b>				
Course Code	Course Title	L	P	U
	Computer Vision	3	0	3
	Sensors & Actuators	3	0	3
	Information Theory & Coding	3	0	3

<b>Humanities Electives</b>				
Course Code	Course Title	L	P	U
	Dynamics of Social Change	3	0	3
	Introduction to Psychology	3	0	3
	Heritage of India	3	0	3
	Modern Political Science	3	0	3
	Public Administration	3	0	3
	Professional Ethics	3	0	3

### 2.1.11 B. Tech. (Civil Engineering) Program General Structure (2022-26)

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U
I		Mathematics-I	3	0	3		Mathematics-II	3	0	3
		English Language Skills	2	2	3		Professional Communication	3	0	3
		Chemistry	3	2	4		Environment Sciences & SDGs	2	0	2
		Essence of Indian Traditional Knowledge ( Audit)	0	0	0		Physics	3	2	4
		Introduction to Electrical and Electronics Sciences	3	2	4		Digital Signal Processing	3	0	3
		Computer Programming	3	2	4		Introduction to AI and DS	3	0	3
		Engineering Graphics	1	4	3		Digital Fabrication	2	4	4
		<b>Total No of Credits</b>			<b>21</b>		<b>Total No of Credits</b>			<b>22</b>
II	<b>Semester-III</b>					<b>Semester-IV</b>				
		Introduction to IoT	3	0	3		Optimization Techniques	3	2	4
		Object Oriented Programming Concepts	2	4	4		Environmental Engineering	2	2	3
		Mathematics-III	3	0	3		Water Resources Engineering	3	0	3
		Principles of Managerial Economics	3	0	3		Soil Mechanics	3	2	4
		Engineering Mechanics	3	0	3		Building Materials and Construction	3	2	4
		Surveying	2	2	3		Mechanics of solids	2	2	3
		Fluid Mechanics and HM	2	2	3		CRT	0	2	1
		CRT	0	2	1					
		<b>Total No of Credits</b>			<b>23</b>		<b>Total No of Credits</b>			<b>22</b>
<b>SUMMERINTERNSHIP PROGRAM I (for Internship option only)</b>									<b>5</b>	
III	<b>Semester-V</b>					<b>Semester-VI</b>				
		Structural Analysis	3	2	4		Open Elective	3	0	3
		Machine Learning Applications in Civil Engineering	2	0	2		Intelligent Transport Systems	3	0	3
		Highways and Tunnel Engineering	3	2	4		Design of Steel Structures	3	0	3
		Foundation Engineering	3	2	4		Construction Planning and Management	3	2	4
		Water Supply and Waste Water Engineering	3	0	3		Design of Concrete Structures	3	0	3
		Building Drawing, Estimation, Costing and Valuation	3	0	3		Airports, Railways and Harbor Engineering	3	0	3
		Audit Course	0	0	0		Special Project / Capstone Project	0	6	3
		CRT	0	2	1		CRT	0	2	1
	<b>Total No of Credits</b>			<b>21</b>		<b>Total No of Credits</b>			<b>23</b>	
<b>Semester-VII</b>					<b>Semester-VIII</b>					



<b>IV</b>	Internship Program II /		Internship Program II /	
	Thesis & Seminar /		Thesis & Seminar /	
	Electives (4) + Professional/Discipline		Electives (4) + Professional/Discipline	
	Humanities Elective (1) (Digital Humanities)		Humanities Elective (1) (Digital Humanities)	
	<b>Total No of Credits</b>	<b>20/18</b>	<b>Total No of Credits</b>	<b>20/18</b>
<b>Total No of Credits</b>				<b>177</b>

*The Program structure is tentative, subject to change (if required).*

<b>FINAL YEAR ELECTIVES</b>				
<b>STRUCTURAL ENGINEERING</b>				
Concrete Technology	3	0	2	4
Finite Element Analysis	3	1	2	4
Automation and Building Information Modeling	2	0	2	3
Prestressed Concrete and Bridge Engineering	3	0	0	3
Design of Industrial Structures	3	0	0	3
Advanced Structural Analysis	3	0	0	3
<b>GEOTECHNICAL ENGINEERING</b>				
Ground Improvement Techniques	3	0	0	3
Soil Dynamics and Machine Foundation Engineering	3	0	0	3
Design of Reinforced Earth and Geotextiles	3	0	0	3
Analysis and Design of Shallow and Deep Foundation	3	0	0	3
<b>TRANSPORTATION ENGINEERING</b>				
Urban Transport Planning	3	0	0	3
Pavement Evaluation, Rehabilitation and Maintenance	3	0	0	3
GIS and Remote Sensing	3	0	0	3
Mass Transportation Operations and Management	3	0	0	3
<b>WATER RESOURCES AND ENVIRONMENTAL ENGINEERING</b>				
Design of Hydraulic Structures (STR/WR)	3	0	0	4
Hazardous Waste Management	3	0	0	3
Environmental Impact Assessment	3	0	0	3
Disaster Management and Mitigation	3	0	0	3
Irrigation Engineering	3	0	0	3

<b>GENERAL ELECTIVE</b>				
Sustainability Development	3	0	0	3
Fire Safety Engineering	3	0	0	3
Safety Engineering	3	0	0	3
<b>MATHEMATICS ELECTIVE</b>				
Probability, Statistics and Linear programming	3	1	0	3
Numerical Methods	3	1	0	3

<b>Digital Humanities Electives I (VII/VIII Semester)</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>P</b>	<b>U</b>
	Social Innovation	3	0	3

**2.1.12 B.Tech. (Mechanical Engineering) Program General Structure (2022-26)**

Year	Code	Semester-I	L	T	U	Code	Semester-II	L	T	U	
I		Mathematics-I	3	0	3		Mathematics-II	3	0	3	
		English Language Skills	2	2	3		Professional Communication	3	0	3	
		Chemistry	3	2	4		Environment Sciences & SDGs	2	0	2	
		Essence of Indian Traditional Knowledge ( Audit)	0	0	0		Physics	3	2	4	
		Introduction to Electrical and Electronics Sciences	3	2	4		Digital Signal Processing	3	0	3	
		Computer Programming	3	2	4		Introduction to AI and DS	3	0	3	
		Engineering Graphics	2	4	4		Digital Fabrication	2	4	4	
<b>Total No of Credits</b>			15	12	22	<b>Total No of Credits</b>			19	6	22
<b>Semester-III</b>						<b>Semester-IV</b>					
		Introduction to IoT	3	0	3		Matlab Based Numerical Methods	3	2	4	
		Object Oriented Programming Concepts	2	4	4		Industry coding practice (Python and R)	2	2	3	
II		Mathematics-III	3	0	3		Strength of Materials	3	0	3	
		Principles of Managerial Economics	3	0	3		Applied Thermodynamics	3	0	3	
		Engineering Mechanics	3	0	3		Kinematics & Dynamics of Machinery	3	0	3	
		Thermal Engineering	3	0	3		Machine Drawing	2	4	4	
		Fluid Mechanics and HM	2	2	3						
		CRT	0	2	1		CRT	0	2	1	
<b>Total No of Credits</b>			19	8	23	<b>Total No of Credits</b>			16	10	21
<b>Summer Internship program</b>										<b>5</b>	
<b>Semester-V</b>						<b>Semester-VI</b>					
		Control Systems	3	0	3		Digital Humanities Eective1	3	0	3	

III		Machine Learning Applications in Mechanical Engineering	2	0	2		Intelligent Transport Systems	2	0	2	
		Optimization Techniques	3	0	3		Manufacturing Processes & Technology	3	2	4	
		Hydraulics & Hydraulic Machinery	3	2	4		Computer Aided Design	3	2	4	
		Design of Machine Elements	3	0	3		Supply Chain Management	3	0	3	
		Machine Tools & Metrology	3	2	4		Special Project / TIP / Capstone Project	0	6	3	
		Audit Course	0	0	0		CRT	0	2	1	
		CRT	0	2	1						
<b>Total No of Credits</b>			17	8	20	<b>Total No of Credits</b>			14	12	20
<b>Semester-VII</b>						<b>Semester-VIII</b>					
IV	IP40 1/	Internship Program II /Thesis				IP40 1/	Internship Program II /Thesis				
	–	Electives (4) + Professional / Discipline Electives				–	Electives (4) + Professional / Discipline Electives				
	–	Humanities Electives (1)				–	Humanities Electives (1)				
<b>Total No of Credits</b>			<b>20/18</b>			<b>Total No of Credits</b>			<b>20/18</b>		
<b>Total No of Credits</b>								<b>174</b>			

### FINAL YEAR ELECTIVES

	L	T	P
<b>Manufacturing</b>			
Precision Engineering	3	2	3
Advanced in Material Science	2	2	3
Nanotechnology	3	0	3
Computer Aided Manufacturing	2	2	3
Smart Manufacturing - Industry 4.0	3	0	3
Green Manufacturing	2	2	3
<b>Design</b>			
Mechanical Equipment Design	3	0	3
Theory of Elasticity	3	0	3
Principles of Tribology	3	0	3
Mechanics of Composite Materials	3	0	3
Vibration Control	2	2	3
AI & ML in Design Analysis	2	2	3

<b>Energy Engineering</b>			
Automotive Engineering	3	0	3
Refrigeration and Air Conditioning	2	3	3
Power Plant Engineering	3	0	3
Nonconventional Sources of Energy	3	0	3
Computational Fluid Dynamics	2	2	3
Cryogenics	3	0	3
<b>Industrial Engineering</b>			
Production Planning & Control	3	0	3
Automation and Intelligent Systems	3	0	3
Quality Assurance & Reliability	3	0	3
Operations Research and Decision Sciences	3	0	3
Systems Analysis	3	0	3
Simulation & Modeling	2	2	3
<b>Emerging Areas</b>			
Additive Manufacturing Processes and Applications	2	2	3
Mechatronics	2	2	3
Robotics & Automation	2	2	3
Machine to Machine Communication	3	0	3
Reverse Engineering	3	0	3
Autonomous Vehicle	3	0	

### 2.1.13 BCA – Program Structure Semester Wise

Year	Semester I	L	P	U	Semester II	L	P	U	
I	Fundamental of IT	3	2	4	Data Structures with	3	2	4	
	Computer Programming	3	2	4	Operating Systems with	3	2	4	
	Mathematics I	3	0	3	Mathematics II	3	0	3	
	Soft Skills I	2	2	3	Soft Skills II	2	2	3	
	Principles of Economics	3	0	3	Discrete Mathematics	3	0	3	
	Environmental Studies	2	0	2	System Analysis and Design	3	0	3	
	<b>Total No of Credits</b>				<b>19</b>	<b>Total No of Credits</b>			<b>20</b>
Year	Semester I	L	P	U	Semester II	L	P	U	
II	Introduction to Algorithms	3	0	3	Database Management Systems	3	2	4	
	Computer Organization & Architecture	3	0	3	Java Programming	3	2	4	
	Introduction to Networks	3	2	4	Software Engineering	3	0	3	
	IT Services	3	2	4	Introduction to AI	3	0	3	
	MOOC Course	3	0	3	Value added Course II	3	0	3	
	Value added Course I	3	0	3	Elective I	3	0	3	
	<b>Total No of Credits</b>				<b>20</b>	<b>Total No of Credits</b>			<b>20</b>
	<b>Summer Internship Program (8 Weeks) / Major Project/Certification course</b>								<b>5</b>
Year	Semester I	L	P	U	Semester II	L	P	U	
III	Introduction to Python	3	2	4	IT Security	3	2	4	
	Web Technologies	3	2	4	Elective IV	3	0	3	
	Advanced Computer Networks	3	2	4	Major Project				14
	Minor Project	3	0	3					
	Elective II	3	0	3					
	Elective III	3	0	3					
	<b>Total No of Credits</b>				<b>21</b>	<b>Total No of Credits</b>			<b>21</b>
<b>Total No of Credits</b>								<b>126</b>	

### 2.1.14 MCA – Program Structure Semester Wise

Year	Semester I	L	P	U	Semester II	L	P	U
<b>I</b>	POP & OOP Programming Languages	3	2	4	Computer Organization & Architecture	3	0	3
	Probability and Statistics	4	0	4	R Programming	3	2	4
	Discrete Mathematics	3	0	3	Computer Networks	3	2	4
	Data Base Management Systems	3	2	4	IT Security	3	2	4
	Professional Communication	3	0	3	Data Structures with C++	3	0	3
	Environmental Studies	2	0	2	Introduction to AI	3	0	3
	<b>Total No of Credits</b>	<b>20</b>			<b>Total No of Credits</b>	<b>21</b>		
	<b>8 Weeks Summer Internship/ Minor Project/ MOOCS</b>					<b>5</b>		
Year	Semester I	L	P	U	Semester II	L	P	U
<b>II</b>	Machine Learning using Python Programming	3	2	4	Web technologies	3	2	4
	Design and Analysis of Algorithms	3	2	4	IT Services Management	3	2	4
	Operating Systems with Unix	3	0	3	Data Warehouse and Data Mining	3	0	3
	Software Engineering	3	0	3	Elective III	3	0	3
	Elective I	4	0	4	Seminar			2
	Elective II	4	0	4	Project			6
	<b>Total No of Credits</b>	<b>22</b>			<b>Total No of Credits</b>	<b>22</b>		
	<b>Program Total Credits</b>					<b>90</b>		



### 2.1.15 M.Tech- Program Structure Semester Wise

Year	Course Title	Course Title
I	<b>First Semester</b>	<b>Second Semester</b>
	Advance Mathematics Discipline Courses (4) Discipline Electives (1)	Discipline Courses (4) Discipline Electives (2)
II	<b>Third Semester</b>	<b>Fourth Semester</b>
	Discipline Electives (2) Seminar (Phase - I) Dissertation (Phase - I)	Seminar (Phase - II) Dissertation (Phase - II)

Discipline Courses	
Transportation Engineering	Computer Science & Engineering
Pavement Materials Characterization Transportation infrastructure design Planning, Design and Construction of Rural Roads Intersection Design and Analysis Traffic Engineering and Management Pavement Analysis and Design Road Traffic Safety Intelligent Transport Systems	Design and Analysis of Advanced Algorithm Advanced Computing Network Advanced Computer Architecture Advanced Programming Advanced Engineering Mathematics Cryptography and Network Security Machine Learning Modelling & Simulation Cloud Computing

Discipline Electives	
Transportation Engineering	Computer Science & Engineering
Project Planning Management Urban Transportation Policy and Planning for Sustainable Development Advanced Concrete Technology Ground Improvement Technique Environmental Impact Assessment for Transportation Projects Remote Sensing & G.P.S for Transportation Engineering Traffic Analysis Pavement Evaluation and Management GIS Applications in Transportation Engineering Highway Project Formulation & Economics Airport Planning and Design Transportation System Management	Big Data Analytics Advanced Database Management System Internet of Things (IoT) Wireless Sensor Network Embedded System Natural Language Processing Mobile Computing Software metrics Advanced Software Engineering Service Oriented Architecture

## 2.2 PROGRAM STRUCTURE OF B.ED.

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U	
I	BED 101	Childhood & Growing Up	3	1	3	BED 110	Learning & Teaching	3	1	3	
	BED 102	Philosophical & Sociological Foundations of Education	3	1	3	BED 111	Knowledge & Curriculum-I	1	1	2	
	BED 103	Language Across the Curriculum	1	1	2	BED 112	Assessment for Learning	3	1	3	
	BED 104	Understanding Disciplines and Subjects	1	1	2	BED 113	Teacher as a Counsellor	1	1	2	
		Pedagogy of a School Subject-I (Any one)				BED 114	Drama and Art in Education	1	1	2	
	BED 108	Environmental Studies	3	1	3	BED(P)115	Preliminary School Engagement-II	1	1	2	
	BED(P)109	Preliminary School Engagement-I	1	1	2		Pedagogy of a School Subject-II	1	1	2	
	<b>Total No of Credits</b>			<b>15</b>			<b>Total No of Credits</b>			<b>16</b>	
II	<b>Semester-III</b>					<b>Semester-IV</b>					
	BED(P)120	Internship-I	1	1	3	BED 122	Gender, School & Society	1	1	2	
	BED(P)121	Internship-II	3	3	6	BED 123	Knowledge & Curriculum-II	1	1	2	
						BED 124	Creating an inclusive School	1	1	2	
							Optional Course	1	1	2	
						BED(P)129	Reflection on School Experience	1	1	2	
						BED(P)130	Reading & Reflecting on Texts	1	1	2	
	<b>Total No of Credits</b>			<b>09</b>			<b>Total No of Credits</b>			<b>12</b>	

<p><b>Pedagogy subjects</b></p> <p>Pedagogy of a School Subject-I (Physical Science)      BED 105</p> <p>Pedagogy of a School Subject-I (Commerce)              BED 106</p> <p>Pedagogy of a School Subject- I (Social Studies)        BED 107</p> <p>Pedagogy of a School Subject – II (English)              BED 116</p> <p>Pedagogy of a School Subject-II (Hindi)                  BED 117</p> <p>Pedagogy of a School Subject-II (Bio Science)            BED 118</p> <p>Pedagogy of a School Subject –II (Mathematics)        BED 119</p>	<p><b><u>Optional Courses</u></b></p> <p>Guidance and Counselling                      BED 125</p> <p>Value Education                                    BED 126</p> <p>Health, Yoga and Physical Education        BED 127</p>
---	--

# ICFAI Business School Rankings

**Ranked 35<sup>th</sup> among Top Business Schools of Eminence in India & Ranked 17<sup>th</sup> among Top Business Schools of Eminence in North India by Indian Institutional Ranking Framework (IIRF), 2020-21.**

**Ranked 17<sup>th</sup> among Top Business Schools of Eminence in India (Govt. & Pvt. Law Schools) by GHRDC B-school Survey 2020.**

**Ranked 7<sup>th</sup> in North Zone and 18<sup>th</sup> in A++ category at All India level by Silicon India Survey 2020**

## 2.3 PROGRAM STRUCTURE OF BBA

Semester I			Semester II		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
BMC101	Environmental Science	4	BMC201	Business Communication (Language : English / MIL)	4
BMC102	Fundamentals of Management & Organizational Behavior	6	BMC202	Managerial Economics	6
BMC103	Statistics for Business Decisions	6	BMC203	Business Accounting	6
	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	6		Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	6
<b>Summer Internship Program</b>					
Semester III			Semester IV		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
BMC301	Macroeconomics	6	BMC 401	Business Research	6
BMC302	Principles of Marketing	6	BMC 402	Human Resource Management	6
BMC303	Management Accounting	6	BMC 403	Financial Management	6
	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	6		Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	6
	Any <b>ONE</b> from list of <b>SKILL ENHANCEMENT COURSE (SEC)</b>	4		Any <b>ONE</b> from the list of <b>SKILL ENHANCEMENT COURSE (SEC)</b>	4
<b>Summer Internship Program</b>					
Semester V			Semester VI		
BMC501	Quantitative Techniques for Management	6	BMC601	Business Policy & Strategy	6
BMC502	Legal Aspects of Business	6	BMC602	Financial Institutions & Markets	6
	Elective – I	6		Elective – III	6
	Elective – II	6		Elective – IV	6

**Discipline Specific Elective:-**

A Student would be free to choose any FOUR papers from ONE group. The COURSE offers **FOUR** groups viz. Finance (DSE - I), Marketing (DSE - II), Human Resource (DSE - III) and Management of Global Business (DSE – IV)

**Finance (DSE - I)**

<b>BMF501</b>	International Finance
<b>BMF502</b>	Investment Banking & Financial Services
<b>BMF503</b>	Investment Analysis & Portfolio Management
<b>BMF601</b>	Project Appraisal & Analysis
<b>BMF602</b>	Business Analysis & Valuation
<b>BMF603</b>	Strategic Corporate Finance
<b>BMF604</b>	Research Project

**Marketing (DSE - II)**

<b>BMM501</b>	Consumer Behavior
<b>BMM502</b>	Personal Selling & Sales Force Management
<b>BMM503</b>	Advertising & Brand Management
<b>BMM504</b>	Retail Management
<b>BMM601</b>	Distribution & Supply Chain Management
<b>BMM602</b>	Marketing of Services
<b>BMM603</b>	International Marketing
<b>BMM604</b>	Research Project

**Human Resource (DSE - III)**

<b>BMH501</b>	HRD : Systems & Strategies
<b>BMH502</b>	Training & Development
<b>BMH503</b>	Management of Industrial Relations
<b>BMH504</b>	Performance & Compensation Management
<b>BMH601</b>	Counseling & Negotiation Skills for Managers
<b>BMH602</b>	Cross Cultural HRM
<b>BMH603</b>	Talent & Knowledge Management
<b>BMH604</b>	Research Project

**Management of Global Business (DSE – IV)**

<b>BMGB501</b>	International Trade : Policies & Strategies
<b>BMGB502</b>	Global Business Environment
<b>BMGB503</b>	Transnational & Cross Cultural Marketing
<b>BMGB504</b>	International Supply Chain Management
<b>BMGB601</b>	International Accounting & Reporting System
<b>BMGB602</b>	Multinational Business Finance
<b>BMGB603</b>	International Joint Ventures, Mergers & Acquisitions
<b>BMGB604</b>	Research Project

**Skill Enhancement Course:-**

<b>BMS301</b>	IT Tools for Business
<b>BMS302</b>	Personality Development & Communication Skills
<b>BMS401</b>	E Commerce
<b>BMS402</b>	Statistical Software package (s)
<b>BMS403</b>	Financial Software package (s)
<b>BMS404</b>	Summer Internship (6-8 weeks)

**Generic Elective / Interdisciplinary Course:-**

<b>BMG101</b>	Entrepreneurship Development
<b>BMG102</b>	Business Ethics & Corporate Social Responsibility
<b>BMG103</b>	Tax Planning
<b>BMG201</b>	Econometrics
<b>BMG202</b>	Production & Operations Management
<b>BMG203</b>	India's Diversity & Business

### 2.3.1 Program Structure of BBA (FIA)

Semester I			Semester II		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
FIC101	Environmental Science	4	FIC 201	Business Communication (Language: English / MIL)	4
FIC102	Financial Accounting & Analysis	6	FIC 202	Statistics for Business Decisions	6
FIC103	Managerial Economics	6	FIC 203	Cost & Management Accounting	6
	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	6		Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	6
<b>Summer Internship Program</b>					
Semester III			Semester IV		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
FIC 301	Income Tax	6	FIC 401	Macro Economics	6
FIC 302	Corporate Finance	6	FIC 402	Quantitative Techniques	6
FIC 303	Financial Markets & Institutions	6	FIC 403	Financial Econometrics	6
	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	6		Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses</b>	6
	Any <b>ONE</b> from list of <b>SKILL ENHANCEMENT COURSE (SEC)</b>	4		Any <b>ONE</b> from the list of <b>SKILL ENHANCEMENT COURSE (SEC)</b>	4
<b>Summer Internship Program</b>					
Semester V			Semester VI		
FIC 501	Investment Analysis & Portfolio Management	6	FIC 601	Corporate Restructuring	6
FIC 502	Corporate Analysis & Valuation	6	FIC 602	International Finance	6
	Elective – I	6		Elective – III	6
	Elective – II	6		Elective – IV	6



### **Discipline Specific Elective**

<b>FID 501</b>	Investment Banking & Financial Services
<b>FID 502</b>	Business Tax Planning
<b>FID 503</b>	Advanced Financial Econometrics
<b>FID 601</b>	Strategic Corporate Finance
<b>FID 602</b>	Behavioral Finance
<b>FID 603</b>	Management of Financial Institutions
<b>FID 604</b>	International Financial Architecture
<b>FID 605</b>	<b>Research Projects (additional course for extra credit)</b>

### **Skill Enhancement Course**

<b>FIS 301</b>	IT Tools for Business
<b>FIS 302</b>	Financial Database and Analysis Software
<b>FIS 401</b>	Financial Analytics
<b>FIS 402</b>	Advanced Spreadsheets Tools For Financial Analysis
<b>FIS 403</b>	Summer Internship (6-8 weeks)

### **Generic Elective / Interdisciplinary Course**

<b>FIG 101</b>	Business Ethics & Corporate Governance
<b>FIG 102</b>	Fundamentals of Financial Management
<b>FIG 103</b>	Elements of Management
<b>FIG 201</b>	Operations Management
<b>FIG 202</b>	Fundamentals of Econometrics
<b>FIG 203</b>	Entrepreneurship Theory and Practices
<b>FIG 204</b>	Database Management System

### 2.3.2 Program Structure of B.A Economics (Hons)

Semester I			Semester II		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
<b>BEAE11</b>	Environmental Science	4	<b>BEAE21</b>	Business Communication (Language : English / MIL)	4
<b>BEC11</b>	Introductory Microeconomics	6	<b>BEC21</b>	Introductory Macroeconomics	6
<b>BEC12</b>	Mathematical Methods for Economics-I	6	<b>BEC22</b>	Mathematical Methods for Economics-II	6
<b>BEGE11</b>	<b>Generic Elective (GE) Course-I</b>	6	<b>BEGE21</b>	<b>Generic Elective (GE) Course-II</b>	6
Semester III			Semester IV		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
<b>BEC31</b>	Intermediate Microeconomics-I	6	<b>BEC41</b>	Intermediate Microeconomics-II	6
<b>BEC32</b>	Intermediate Macroeconomics-I	6	<b>BEC42</b>	Intermediate Macroeconomics-II	6
<b>BEC33</b>	Statistical Methods for Economics	6	<b>BEC43</b>	Introductory Econometrics	6
<b>BEGE31</b>	<b>Generic Elective (GE) Course-III</b>	6	<b>BEGE41</b>	<b>Generic Elective (GE) Course-IV</b>	6
<b>BESE31</b>	<b>Skill Enhancement (SEC) Course -I</b>	4	<b>BESE41</b>	<b>Skill Enhancement (SEC) Course -II</b>	4
Semester V			Semester VI		
<b>BEC51</b>	Indian Economy-I	6	<b>BEC61</b>	Indian Economy-II	6
<b>BEC52</b>	Development Economics-I	6	<b>BEC62</b>	Development Economics-II	6
<b>BEDSE</b>	<b>Discipline Specific Elective (DSE) Course-I (From List of Group-I)</b>	6	<b>BEDSE</b>	<b>Discipline Specific Elective (DSE) Course-III (From List of Group-II)</b>	6
<b>BEDSE</b>	<b>Discipline Specific Elective (DSE) Course-II (From List of Group-I)</b>	6	<b>BEDSE</b>	<b>Discipline Specific Elective (DSE) Course-IV (From List of Group-II)</b>	6

<b>Group-I Discipline Specific Elective (DSE) Courses</b>	
<b>BEDSE51</b>	Economics of Health and Education
<b>BEDSE52</b>	Applied Econometrics
<b>BEDSE53</b>	Economic History of India (1857-1947)
<b>BEDSE54</b>	Topics in Microeconomics-I
<b>BEDSE55</b>	Political Economy-I
<b>BEDSE56</b>	Money and Financial Markets
<b>BEDSE57</b>	Public Economics
<b>Group-II Discipline Specific Elective (DSE) Courses</b>	
<b>BEDSE61</b>	Political Economy-II
<b>BEDSE62</b>	Comparative Economic Development (1850-1950)
<b>BEDSE63</b>	Financial Economics
<b>BEDSE64</b>	Topics in Microeconomics-II
<b>BEDSE65</b>	Environmental Economics
<b>BEDSE66</b>	International Economics
<b>BEDSE67</b>	Dissertation/Project

### 2.3.3 Program Structure of B.Com (Hons)

Semester I			Semester II		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
BCH101	Environmental Studies	4	BCH201	Business Communication (Language-English/Hindi/MIL)	4
BCH102	Financial Accounting	6	BCH202	Management Accounting	6
BCH103	Business Law	6	BCH203	Corporate Laws	6
	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses (Group A)</b>	6		Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses (Group A)</b>	6
Semester III			Semester IV		
Course Code	Course Name	Credits	Course Code	Course Name	Credits
BCH301	Human Resource Management	6	BCH401	Cost Accounting	6
BCH302	Fundamentals of Financial Management	6	BCH402	Business Mathematics	6
BCH303	Management Principles and Applications	6	BCH403	Computer Applications in Business	6
	Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses (Group B)</b>	6		Any <b>One</b> from the List of <b>Generic Elective / Interdisciplinary Courses (Group B)</b>	6
	Any <b>ONE</b> from list of <b>SKILL ENHANCEMENT COURSE (SEC)(Group A)</b>	4		Any <b>ONE</b> from the list of <b>SKILL ENHANCEMENT COURSE (SEC) (Group B)</b>	4
Semester V			Semester VI		
BCH501	Principles of Marketing	6	BCH601	Auditing and Corporate Governance	6
BCH502	Income-tax Law and Practice	6	BCH602	Indirect Tax Law	6
	Elective – I ( <b>Group A</b> )	6		Elective – III ( <b>Group B</b> )	6
	Elective – II ( <b>Group A</b> )	6		Elective – IV ( <b>Group B</b> )	6

### 2.3.4 Program Structure of B.Com (Hons)

<b>Group A</b>	
BCS301	E-commerce
BCS302	IT Tools for Business
<b>Group B</b>	
BCS401	Personality Development and Communication Skills
BCS402	Entrepreneurship
BCS403	Annual Business Planning/Strategic Business Planning

#### **Generic Elective / Interdisciplinary Course**

<b>Group A</b>	
BCG101	Micro economics
BCG102	Macro economics
BCG103	Business Statistics
BCG104	Universal Human Values
<b>Group B</b>	
BCG201	International Trade: Policies and Strategies
BCG202	Project Appraisal and Analysis
BCG203	Strategic Corporate Finance
BCG204	Foreign Language-French

#### **Discipline Specific Elective**

##### **Group A**

BCD501	Corporate Accounting
BCD502	Corporate Tax Planning
BCD503	Advertising
BCD504	Banking and Insurance
BCD505	Computerized Accounting System

##### **Group B**

BCD601	Consumer Affairs and Customer Care
BCD602	Business Tax Procedures and Management
BCD603	International Business
BCD604	Industrial Relations and Labour Laws
BCD605	Business Research Methods and Project Work

### 2.3.4 Program Structure of MBA

	Code	Course Title	Credits	
	<b>First Academic Year</b>	<b>Semester I</b>		
SLAC501		Accounting for Managers	3	
SLEC501		Managerial Economics	3	
SLFI501		Financial Management	3	
SLHR501		Organizational Behavior	3	
SLIT501		Information Systems for Managers	3	
SLMM501		Marketing Management	3	
SLMS501		Business Communication	3	
<b>Semester II</b>				
SLEC502		Macroeconomics & Business Environment	3	
SLFI502		Advanced Financial Management	3	
SLMS502		Personal Effectiveness Management	3	
SLBA502		Introduction to Business Analytics	3	
SLHR502		Human Resource Management	3	
SLGM502		Management Accounting & Control	3	
SLMM502		Advanced Marketing Management	3	
SLOP502		Operations Management	3	
SLRM502		Business Research Methods	3	
<b>Second Academic Year</b>	<b>Code</b>	<b>Course Title</b>	<b>Credits</b>	
	<b>FLIP500</b>	<b>Summer Internship Program</b>	<b>18</b>	
	<b>Semester III</b>			
	SLGM611	Strategic Management	4	
	SLGM601	Legal Environment of Business	3	
		Elective I	3	
		Elective II	3	
		Elective III	3	
		Elective IV	3	
	SLMS601	Soft Skills	4	
	<b>Semester IV</b>			
	SLGM602	Business Ethics & Corporate Governance	3	
		Elective V	3	
		Elective VI	3	
		Elective VII	3	
		Elective VIII	3	
	<b>TOTAL</b>			<b>107</b>

# ICFAI Law School Rankings

Ranked 1<sup>st</sup> among Top Leading Law School of Uttarakhand by **CSR-GHRDC-2022**.

Ranked AAA<sup>+</sup> among Best Law Schools of Eminence in India by **Carrier 360-2022**.

Ranked 5<sup>th</sup> among Top Leading Law School of Super Excellence by **CSR-GHRDC-2022**.

Ranked 13<sup>th</sup> among Top Law Schools of Eminence in India by Indian Institutional Ranking Framework (IIRF), 2020-21.

Ranked 13<sup>th</sup> among Best Law Schools of Eminence in India & Rated AAA<sup>+</sup> Among Top (Pvt.& Govt) Law School of Uttarakhand in North Zone by Carrier 360, 2021.

Ranked 1<sup>st</sup> among Top Law Schools in Uttarakhand (Govt. & Pvt. Law Schools) and 5<sup>th</sup> among Top Leading Law Schools of Super Excellence (Govt. & Pvt. Law Schools) by CSR-GHRDC Law School rankings 2021

Ranked 6<sup>th</sup> among Top Leading Law Schools of Super Excellence in Overall Rank in India (Govt. & Pvt. Law Schools) by CSR-GHRDC Survey 2020.

Ranked 1<sup>st</sup> among Top Law Schools in Uttarakhand (Govt. & Pvt. Law Schools) by CSR-GHRDC Survey 2020.

Ranked 26<sup>th</sup> among Top 40 Law Universities / Institutions in India; by India Today - MDRA Best Colleges Survey 2020

## 2.4 PROGRAM STRUCTURE OF ICAI LAW SCHOOL

### 2.4.1 Program Structure for Master of Laws (LL.M) One Year

	Courses	Units/Credits
<b>Law courses (as indicated by BCI)</b>		
Core Law Courses	4	26
Elective Courses	2	48
<b>Total courses in L.L.M program</b>	<b>6</b>	<b>74</b>

Semester I			Semester II		
Course Code	Course Title	Units	Course Code	Course Title	Units
LM 611	Research Methods and Legal Writing	3	LMCCL 612	Company Law-II	3
LM 621	Comparative Public Law	3	LMCCL 622	Law on Securities and Financial Markets	3
LM 631	Law and Justice in a Globalizing World	3	LMCCL 632	National & International Commercial Arbitration	3
LM CCL 641	International Trade Law	3	LMCCL 642	Competition Law	3
LM CCL 651	Company Law-I	3	LMCCL 652	Banking and Insurance Law	3
LM CCL 661	Intellectual Property Law	3	LMD 662	Dissertation	4
<b>Total Credits for the Programme -</b>					<b>31</b>



Constitutional and Administrative Law

Semester I			Semester II		
Course Code	Course Title	Units	Course Code	Course Title	Units
LM 611	Research Methods and Legal Writing	3	LMCAL 612	General Principles of Administrative Law	3
LM 621	Comparative Public Law	3	LMCAL 622	Law of Writs & Service Law	3
LM 631	Law and Justice in a Globalizing World	3	LMCAL 632	Comparative and Global Administrative law	3
LM CAL 641	Fundamental Rights and Directive Principles of State Policy	3	LMCAL 642	Media and Law	3
LM CAL 651	Centre-State Relations and Constitutional Governance	3	LMCAL 652	Law on Education and Religion & Minorities	3
LMCAL 661	Local Self-Government and Federal Governance	3	LMLI 662	Dissertation	4
<b>Total Credits for the Programme</b>					<b>37</b>

## 2.4.2 LLB Three Year Law Program Structure

<b>FIRST YEAR</b>					
<b>SEMESTER- I</b>			<b>SEMESTER- II</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
LIII-111	Principles of General Contracts	3	LIII-112	Special Contracts	3
LIII-121	Family Law -I	3	LIII-122	Family Law- II	3
LIII-131	Law of Torts and Consumer Protection Laws	3	LIII-132	Jurisprudence	3
LIII-141	Constitutional Law- I	3	LIII-142	Constitutional Law-II	3
LIII-151	Indian Penal Code	3	LIII-152	Administrative Law	3
	<b>Total</b>	<b>15</b>		<b>Total</b>	<b>15</b>
<b>LI-III162</b>	<b>Legal Internship Program-I</b>				<b>2</b>

<b>SECOND YEAR</b>					
<b>SEMESTER- III</b>			<b>SEMESTER- IV</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
LIII-211	Criminal Procedure Code	3	LIII-212	Land Laws	3
LIII-221	International Law	3	LIII-222	Civil Procedure Code	3
LIII-231	Property and Easement Law	3	LIII-232	Law of Evidence	3
LIII-241	Company Law	3	LIII-242	Intellectual Property Laws	3
LCIII-251	Moot Court	2	LCIII-252	Drafting Pleading and Conveyancing	2
LEIII	Elective-I	3	LEIII	Elective-III	3
LEIII	Elective-II		LEIII	Elective-IV	3
	<b>Total</b>	<b>20</b>		<b>Total</b>	<b>20</b>
<b>LI-III262</b>	<b>Legal Internship Program-II</b>				<b>2</b>

<b>THIRD YEAR</b>					
<b>SEMESTER- V</b>			<b>SEMESTER- VI</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
LIII-311	Cyber Law	3	LIII-312	Environmental Law	3
LIII-321	Labour Laws	3	LIII-322	Law of Taxation	3
LIII-331	Human Rights and Humanitarian Law	3	LIII-332	Banking & Insurance Law	3
LIII-341	Law of Medicine and Health	3	LIII-342	Interpretation of Statutes	3
LCIII-351	Alternative Dispute Resolution	2	LCIII-352	Professional Ethics and Professional Accounting system	2
LEIII	Elective-V	3	LEIII	Elective-VI	3
	<b>Total</b>	<b>17</b>		<b>Total</b>	<b>17</b>
<b>LI-III362</b>	<b>Legal Internship Program-III</b>				<b>2</b>

## **ELECTIVE COURSES IN LAW**

<b>Elective – I</b>	
LEIII 411	Citizenship & Emigration Law
LEIII 412	Election Laws

<b>Elective – II</b>	
LEIII 421	Private International Law
LEIII 422	Gender Justice and Feministic Jurisprudence

<b>Elective – III</b>	
LEIII 431	Competition Law
LEIII 432	Law of Poverty, Society and Rural Development

<b>Elective – IV</b>	
LEIII 441	Criminology and Penology
LEIII 442	Comparative Criminal Law

<b>Elective – V</b>	
LEIII 451	Media Law
LEIII 452	Trust, Equity and Fiduciary Relationships

<b>Elective – VI</b>	
LEIII 461	International Commercial Arbitration
LEIII 462	International Trade Law

### 2.4.3 BBA- LL.B (Honors) Programme

FIRST YEAR					
SEMESTER I			SEMESTER II		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
EG 111	English Communication-I	3	EG112	English Communication-II	3
HS 121	Dynamics Of Social Change	3	MG122	Business Statistics	3
MG 131	Principles of Management	3	MG132	Managerial Economics	3
IT 141	Introduction to Computers	3	HS142	Introductory Psychology	3
LL 151	Principles of General Contracts	3	LL152	Law of Special Contracts	3
LL161	Legal Methods	3	LL 162	Legal and Constitutional History	3
	<b>Total</b>	<b>18</b>		<b>Total</b>	<b>18</b>
<b>LI182</b>	<b>Legal Internship Program-I</b>				<b>2</b>

SECOND YEAR					
SEMESTER III			SEMESTER IV		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
FL 211/212/213/214	Foreign Language I (German/French/Spanish/Japanese)	3	FL 221/222/223/224	Foreign Language II (German/French/Spanish/Japanese)	3
MG 221	Business Environment	3	MG212	Financial Management	3
MG 231	Marketing Management	3	MG222	Human Resource Management	3
MG241	Financial Accounting	3	MG 232	Business Strategy and Policy	3
LL 251	Indian Penal Code-I	3	LL 242	Indian Penal Code-II	3
LL261	Constitutional Law-1	3	LL 252	Constitutional Law-II	3
LL 271	Family Law-I	3	LL 262	Law of Torts and Consumer Law	3
			LL272	Family Law-II	3
	<b>Total</b>	<b>21</b>		<b>Total</b>	<b>24</b>
<b>LI282</b>	<b>Legal Internship Program-II</b>				<b>2</b>

<b>THIRD YEAR</b>					
<b>SEMESTER V</b>			<b>SEMESTER VI</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
MG 311	Corporate Governance & Business Ethics	3	MG312	Organizational Behavior	3
MG 321	Indian Financial System	3	MG322	Entrepreneurship and Skill Development	3
LL 321	Law of Evidence	3	LL 322	Jurisprudence	3
LL 331	Labour Laws-I	3	LL 332	Labour Laws-II	3
LL 341	Public International Law	3	LL 342	Intellectual Property Laws	3
LL 351	Criminal Procedure Code-I	3	LL 352	Criminal Procedure Code-II	3
LC 361	Clinical-I Moot Court	2	LC 362	Clinical-II Drafting and Pleading etc.	2
LE	Elective-I	3	LE	Elective-II	3
	<b>Total</b>	<b>23</b>		<b>Total</b>	<b>23</b>
<b>LI 382</b>	<b>Legal Internship Program-III</b>				<b>2</b>

<b>FOURTH YEAR</b>					
<b>SEMESTER VII</b>			<b>SEMESTER VIII</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
LL 411	Civil Procedure Code-I	3	LL412	Civil Procedure Code-II	3
LL 421	Law of Taxation Law-I	3	LL 422	Law of Taxation Law-II	3
LL431	Property and Easement Law	3	LL 432	Company Law	3
LE-	Elective-III	3	LL442	Land Laws	3
LH-	Honors Course-I	3	LE-	Elective-IV	3
LH-	Honors Course-II	3	LH-	Honors Course-III	3
			LH-	Honors Course-IV	3
	<b>Total</b>	<b>18</b>		<b>Total</b>	<b>21</b>
<b>LI482</b>	<b>Legal Internship Program-IV</b>				<b>2</b>

**FIFTH YEAR**

<b>SEMESTER IX</b>			<b>SEMESTER X</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
LL511	Cyber Law	3	LL512	Environmental Law	3
LL521	Administrative Law	3	LL522	Banking and Insurance Law	3
LL531	Human Rights and Humanitarian Law	3	LC532	Clinical-IV ADR	2
LC541	Clinical- III Professional Ethics	2	LLD542	Dissertation and Legal Writing	2
LE	Elective-V	3	LE	Elective-IV	3
LH	Honors Course – V	3	LH	Honors Course – VII	3
LH	Honors Course – VI	3	LH	Honors Course – VIII	3
	<b>Total</b>	<b>20</b>		<b>Total</b>	<b>19</b>
<b>LI582</b>	<b>Legal Internship Program-V</b>				<b>2</b>



## **Courses for Awarding Honour's Degree**

### **Constitutional Law**

H-I	LH 511	Legal and Constitutional History of India
H-II	LH 512	Comparative Constitution, US, India and UK
H-III	LH513	Local Self-Governments, Gram Panchayat and Municipal
H-IV	LH 514	Law on Education and Religion
H-V	LH 515	Law of Writs and Services
H-VI	LH 516	Legislative Drafting
H-VII	LH 517	Indian Federalism and Judicial Independence
H-VIII	LH 518	Election Laws

### **Business Law Group**

H-I	LH 521	Law and Economics
H-II	LH 522	Law of Carriage, Transportation and Insurance
H-III	LH 523	Law of Mergers and Governance
H-IV	LH 524	International Contracts Law
H-V	LH 525	White Collar Crimes and Money Laundering
H-VI	LH 526	Law of Foreign Trade and Exchange
H-VII	LH 527	E-Commerce / Contracts and Law
H-VIII	LH 528	International Banking and Law

## **International Law**

H-I	LH 531	Law relating to Regional Trade Agreements
H-II	LH 532	Transboundary Exports, Imports and Anti-dumping Law
H-III	LH 533	WTO and GATS
H-IV	LH 534	Law of the Sea/ Maritime Law
H-V	LH 535	Law of the Aviation
H-VI	LH 536	International Environmental Law
H-VII	LH 537	International Labor Organization and Labor Law
H-VIII	LH 538	International Criminal Law and Criminal Court

## **Intellectual Property Rights**

H-I	LH 541	Evolution IPR Treaties and Convention
H-II	LH 542	Copyright Law
H-III	LH 543	Law of Patents
H-IV	LH 544	Law of Trademarks and Service Marks
H-V	LH 545	Traditional Knowledge, GI and Farmer Rights
H-VI	LH 546	Other Intellectual Property
H-VII	LH 547	IPR Valuation and Management
H-VIII	LH 548	IPR Protection and Technology

## **ELECTIVE COURSES IN LAW**

<b>Elective – I</b>	
LE 411	Citizenship & Emigration Law
LE 412	Interpretation of Statutes

<b>Elective – II</b>	
LE 421	Private International Law
LE 422	Gender Justice and Feministic Jurisprudence

<b>Elective – III</b>	
LE 431	Competition Law
LE 432	Law of Infrastructure Development and Real Estate

<b>Elective – IV</b>	
LE 441	Criminology and Penology
LE 442	Law of Medicine and Health

<b>Elective – V</b>	
LE 451	Comparative Criminal Law
LE 452	Media Law

<b>Elective – VI</b>	
LE 461	International Commercial Arbitration

LE 462	International Criminal Law and International Criminal Court of Justice
--------	---

## **FOREIGN LANGUAGE COURSES**

### **Foreign Language I**

FL 211 German

FL 212 French

FL 213 Spanish

FL 214 Japanese

### **Foreign Language II**

FL 221 German

FL 222 French

FL 223 Spanish

FL 224 Japanese

### **NOTE:**

1. Any of the Honours/Elective subjects may not be offered to the students if the teaching facility for such a subject is not available or does not exist at IUD campus.
2. No student shall be allowed to change his/ her Honours/Elective subject except during the two weeks of commencement of teaching.

### 2.4.4 BA.LL.B (Hons.) Program Structure

FIRST YEAR					
SEMESTER- I			SEMESTER- II		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
AT111	English Communication -I	3	AT112	English Communication -II	3
AT121	History-I	3	AT122	History- II	3
AT131	Political Science – I	3	AT132	Political Science –II	3
AT141	Introduction to Computers	3	HS142	Introduction to Psychology	3
LL151	Principles of General Contracts	3	LL152	Special Contracts	3
LL161	Legal Methods	3	LL162	Legal and Constitutional History	3
	<b>Total</b>	<b>18</b>		<b>Total</b>	<b>18</b>
<b>LI182</b>	<b>Legal Internship Program-I</b>				<b>2</b>

SECOND YEAR					
SEMESTER- III			SEMESTER- IV		
Course Code	Course Title	Credits	Course Code	Course Title	Credits
FL 211/212/213/214	Foreign Language I (German/French/Spanish/Japanese)	3	FL 221/222/223/224	Foreign Language II (German/French/Spanish/Japanese)	3
AT221	Political Science -III	3	AT222	Indian Economy	3
AT231	Fundamentals of Economics	3	AT 232	Sociology-II	3
AT241	Sociology-I	3	LL242	Indian Penal Code – II	3
LL251	Indian Penal Code-I	3	LL252	Constitutional Law – II	3
LL261	Constitutional Law – I	3	LL 262	Law of Torts and Consumer Law	3
LL271	Family Law – I	3	LL272	Family Law-II	3
	<b>Total</b>	<b>21</b>		<b>Total</b>	<b>21</b>
<b>LI282</b>	<b>Legal Internship Program-II</b>				<b>2</b>

<b>THIRD YEAR</b>					
<b>SEMESTER V</b>			<b>SEMESTER VI</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
LL311	Trust, Equity and Fiduciary Relationships	3	AT 312	Entrepreneurship and Skill Development	3
LL321	Law of Evidence	3	LL322	Jurisprudence	3
LL331	Labour Laws-I	3	LL332	Labour Laws-II	3
LL341	Public International Law	3	LL342	Intellectual Property Rights	3
LL351	Criminal Procedure Code-I	3	LL352	Criminal Procedure Code-II	3
LC361	Clinical – I Moot Court	2	LC362	Clinical-II Drafting and Pleadings	2
LE	Elective – I	3	LE	Elective – II	3
	<b>Total</b>	<b>20</b>		<b>Total</b>	<b>20</b>
<b>LI 382</b>	<b>Legal Internship Program-III</b>				<b>2</b>

<b>FOURTH YEAR</b>					
<b>SEMESTER VII</b>			<b>SEMESTER VIII</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
LL411	Civil Procedure Code-I	3	LL412	Civil Procedure Code-II	3
LL421	Law of Taxation Laws-I	3	LL422	Law of Taxation Laws-II	3
LL431	Property and Easement Law	3	LL432	Company Law	3
LE	Elective – III	3	LL442	Land Laws	3
LH	Honours – I	3	LE	Elective – IV	3
LH	Honours-II	3	LH	Honours –III	3
			LH	Honours-IV	3
	<b>Total</b>	<b>18</b>		<b>Total</b>	<b>21</b>
<b>LI482</b>	<b>Legal Internship Program-IV</b>				<b>2</b>

<b>FIFTH YEAR</b>					
<b>SEMESTER IX</b>			<b>SEMESTER X</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>	<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
LL511	Cyber Law	3	LL512	Environmental Law	3
LL521	Administrative Law	3	LL522	Banking and Insurance Law	3
LL531	Human Rights and Humanitarian Law	3	LC532	Clinical-IV ADR	2
LC541	Clinical- III Professional Ethics	2	LLD542	Dissertation and Legal Writing	2
LE	Elective-V	3	LE	Elective-IV	3
LH	Honors Course – V	3	LH	Honors Course – VII	3
LH	Honors Course – VI	3	LH	Honors Course – VIII	3
	<b>Total</b>	<b>20</b>		<b>Total</b>	<b>19</b>
<b>LI582</b>	<b>Legal Internship Program-V</b>				<b>2</b>

## **Courses for Awarding Honour's Degree**

### **1. Constitutional Law**

H-I	LH 511	Legal and Constitutional History of India
H-II	LH 512	Comparative Constitution,US, India and UK
H-III	LH513	Local Self-Governments, Gram Panchayat and Municipal
H-IV	LH 514	Law on Education and Religion
H-V	LH 515	Law of Writs and Services
H-VI	LH 516	Legislative Drafting
H-VII	LH 517	Indian Federalism and Judicial Independence
H-VIII	LH 518	Election Laws

### **2. Business Law Group**

H-I	LH 521	Law and Economics
H-II	LH 522	Law of Carriage, Transportation and Insurance
H-III	LH 523	Law of Mergers and Governance
H-IV	LH 524	International Contracts Law
H-V	LH 525	White Collar Crimes and Money Laundering
H-VI	LH 526	Law of Foreign Trade and Exchange
H-VII	LH 527	E-Commerce / Contracts and Law
H-VIII	LH 528	International Banking and Law

### **3. International Law**

H-I	LH 531	Law relating to Regional Trade Agreements
H-II	LH 532	Transboundary Exports, Imports and Anti-dumping Law
H-III	LH 533	WTO and GATS



H-IV	LH 534	Law of the Sea/ Maritime Law
H-V	LH 535	Law of the Aviation
H-VI	LH 536	International Environmental Law
H-VII	LH 537	International Labor Organization and Labor Law
H-VIII	LH 538	International Criminal Law and Criminal Court

#### **4. Intellectual Property Rights**

H-I	LH 541	Evolution IPR Treaties and Convention
H-II	LH 542	Copyright Law
H-III	LH 543	Law of Patents
H-IV	LH 544	Law of Trademarks and Service Marks
H-V	LH 545	Traditional Knowledge, GI and Farmer Rights
H-VI	LH 546	Other Intellectual Property
H-VII	LH 547	IPR Valuation and Management
H-VIII	LH 548	IPR Protection and Technology

## **ELECTIVE COURSES IN LAW**

<b>Elective – I</b>	
LE 411	Citizenship & Emigration Law
LE 412	Interpretation of Statutes

<b>Elective – II</b>	
LE 421	Private International Law
LE 422	Gender Justice and Feministic Jurisprudence

<b>Elective – III</b>	
LE 431	Competition Law
LE 432	Law of Infrastructure Development and Real Estate

<b>Elective – IV</b>	
LE 441	Criminology and Penology
LE 442	Law of Medicine and Health

<b>Elective – V</b>	
LE 451	Comparative Criminal Law
LE 452	Media Law

<b>Elective – VI</b>	
LE 461	International Commercial Arbitration
LE 462	International Criminal Law and International Criminal Court of Justice

## **FOREIGN LANGUAGE COURSES**

### **Foreign Language I**

FL 211 German  
FL 212 French  
FL 213 Spanish  
FL 214 Japanese

### **Foreign Language II**

FL 221 German  
FL 222 French  
FL 223 Spanish  
FL 224 Japanese

### **NOTE:**

1. Any of the Honours/Elective subjects may not be offered to the students if the teaching facility for such a subject is not available or does not exist at IUD campus.
2. No student shall be allowed to change his/ her Honours/Elective subject except during the two weeks of commencement of teaching.



# PART 3

## ACADEMIC REGULATIONS

## **PART 3 ACADEMIC REGULATIONS**

### **3.1 General**

These regulations apply to all the UG & PG programs of the University. Every Academic Year shall be divided into two semesters known as the Odd (First) Semester and the Even (Second) Semester, and a term (known as Summer Term).

The Student Handbook for each program provides general information on the operational features of the program and the students' conduct on the campus. However, the same would not be a substitute of the Academic Regulations.

The entry qualification for the undergraduate programs is a pass at the 10+2 with an appropriate percentage in aggregate as may be prescribed for each program. Students, whose 10+2 results have not been declared at the time of admission, are given Provisional Admission to the Program. The admission is subject to their submitting proof of clearing the prescribed eligibility criteria for admission on or before the specified date for each program. If a provisionally admitted student fails to submit the proof of completion of the above criteria on or before the specified date, his/her admission to the program shall stand cancelled and the student will cease to be on the rolls of University and will not be permitted to participate in any activity of the University.

The prescribed program is defined as the whole series of courses required of students that unfold as a package of courses in the requisite number of semesters. The prescribed semester courses are those that appear in each of these semesters. Each course is a defined module of knowledge in the area specified through the course content.

The program of studies leading to the award of a degree consists of the prescribed courses sequentially distributed over the required number of semesters known as Semester-wise Pattern. Each program has a normal duration indicated either in the Student Handbook or prescribed by an appropriate authority. The eligibility for a degree is determined on the basis of number of courses or units completed. While the regulation stipulates certain minimum number of units for each program, for actual requirement of any program the Student Handbook or appropriate authority has to be consulted.

A unit is a convenient device to anticipate the number of hours per week of the total effort a student has to put in a course, including the class work. The total number of hours of work per week for each unit is approximately three. Each course is associated with a number of units.

## **3.2 Structure of the Degree Programs**

The various courses prescribed for a program of studies may be categorized in terms of their academics affinity or their functional objectives. Depending on the overall educational goals of program, it is possible to have fixed named courses in a particular category and to have fixed number of electives.

The category called Elective is conceptually different and operationally wider. For each program there is a specific number of electives which the student is required to take, but can choose from across the courses offered.

For each program the number of electives required to be taken by a student will be prescribed through the Student Handbook.

Once a student is declared to have fulfilled the requirements of graduation except Internship Program II and/or Thesis- Seminar, he/she cannot stay back to take any additional electives.

The courses in each program, outside the elective category are defined as named courses, since they have already been specified in the semester-wise patterns given in the Student Handbook. The electives are, on the other hand, selected by the student himself from outside the named courses in his program.

The structure contains a category of courses, such as Internship Program (IP) or Thesis-Seminar (TS), which attempts a synthesis of preceding courses as well as their applications. They carry large number of units and are to be exclusively pursued full- time throughout the allotted period. There is no provision for taking any other courses along with these courses.

The semester-wise pattern, consisting of the prescribed courses sequentially distributed over the required number of semesters, leads to the particular degree. This contains a prescribed number of courses in each semester, planned for an anticipated normal progress through the program. This number is called the normal load for that semester of the program.

### **3.2.1 Registration**

As described earlier, every student admitted to the Institution must pursue the prescribed degree program consisting of a set of courses in successive semesters. Due to various structural flexibilities provided, the semester courses are not always predetermined. One of the objectives of the registration process is to specify the courses at the beginning of each semester after allowing for the students' options and working out the permissible

details within the limits prescribed by the rules and the announced Timetable for the semester.

Registration for the semester for every student, whether newly admitted or already on rolls will be at the beginning of every semester on the dates announced. Every student is required to register for his semester program and to get his registration completed properly is his own responsibility, failing which he shall not be permitted to attend any classes or use any facilities of the Institute during that semester. The first registration in a semester for a student is called the original registration.

A student is not permitted to register in a semester/term, if

- i) The student has dues outstanding to the Institution, hostel, or any recognized organ of the Institution.
- ii) The student's grade sheet in the immediately preceding semester is withheld.
- iii) The student has an Incomplete (I) report in the immediately preceding semester.
- iv) The student has been specifically asked to stay away from that semester.
- v) The student has failed to convert the provisional admission into a regular admission by the specified date.

Registration in certain courses, like IP, may be permitted even if the result of the preceding semester is not available due to small gap between the end of the previous semester and the start of the IP, but the same will be subject to cancellation without notice if the student is found to be defaulting from any of the conditions of clause 3.03, discovered later.

Certain courses have prerequisite conditions attached to them. Before registering in a course, the student should have fulfilled the prerequisite conditions. If the prerequisite is a course then the student should have a valid grade, not a report, in the prerequisite course. A specified prior preparation is required for certain courses or a group of courses. These requirements are described in the respective handbook for each program.

A student may at his own responsibility depart from his prescribed semester courses (PSC), when feasible and permissible in these regulations. A student with an intelligent understanding of these rules can make a plan to graduate earlier or later than the normal time.

A student departs from his PSC whenever,

- (i) He repeats a course he had already cleared before the PSC
- (ii) takes a course which appears later than the PSC
- (iii) Drops a course from PSC
- (iv) Takes a course from backlog
- (v) Decides to take the electives earlier or later than where they are located in his program.

If a student has backlog, that is the named courses of the preceding PSC's not cleared by him, then while registering he should register first for all those backlog courses which are available in that semester and have no timetable clash. Electives are not included in the package of backlog courses.

If the Institute facilities permit, a student who is still in the process of completing the requirement of a degree, may, at his own option, repeat, with a view to improving his grade, a course which he has already cleared, provided the course is currently being offered. A student can repeat a course provided he does not have any backlog. He may be allowed to repeat a course only after the full component of backlog courses and the full component of PSC has been registered for in the semester. A student cannot stay back after completing the requirements of graduation only to repeat courses. The courses like IP, TS, and project courses cannot be repeated except when the Academic Counseling Committee (ACC) requires a student to register again.

Registering in a course that appears later than the PSC is possible only after the full component of backlog, if any, and the full component of the PSC has been registered for in the semester.

With a view of planning his entire quota of courses under the category of electives, a student may, at his own responsibility, delay or advance taking the electives with reference to their prescribed appearance in the semester-wise pattern.

In an unusual circumstance, the Director/Principal may permit late registration of a student. A student whose request for late registration has been accepted will be permitted to register on the specified date, normally one week from the date of original registration, on payment of such late fees as may be prescribed from time to time. Further extension of time will not be granted. Students requesting for late registration will have to apply for the permission prior to the date of original registration.

The registration in a semester, when altered at the initiative of a student will be called an amended registration and will be covered by the conditions listed below.

- i) Any time within two weeks from the beginning of the semester, a student may request for substitution of a course, in which he has already registered, by another course being offered during that semester.
- ii) If a student desires to withdraw from a course, he may submit a formal application for withdrawal from the course within ten weeks from the beginning of the semester.
- iii) In exceptional circumstances, a student may be permitted to completely withdraw from all courses and drop the semester when the Director/Principal is satisfied as to the genuineness of the circumstances.
- iv) A student who has come under the purview of ACC ceases to have any initiatives in the amendment of his original registration. When any alteration in the original registration is called for, it will be done entirely at the discretion of the ACC.

The revision of original/amended registration can be caused by concerned authority any time during the semester/term as per the details listed below.

- i) If the registration of a student in a course is found to be not in accordance with the regulations, his registration in that course will be cancelled and the grade obtained, if any, will be rejected.



- ii) The registration of a student in a course or completed set of courses in a semester can be revised through the instrument of RC by the concerned authority, when the student is found guilty in cases of unfair means, breach of discipline, etc., or when he persistently and deliberately does not clear his dues.,
- iii) Concerned authority may cause a revision of registration already done by cancelling registration in all courses, when the student ceases to be on the rolls of the Institute by his own action or by the action of the Institute.
- iv) ACC may cause a revision of registration already done of a student who is under its purview.
- v) Concerned authority may cause a revision of registration already done by cancellation of the IP option through the instrument of RRA/DP.
- vi) The registration already done may be revised by the concerned authority by allowing a student to register in additional courses or by canceling the registration of a course in which the student has already registered, when the situation warrants.

A student is considered to be on the rolls of the institute for a semester if he,

- (i) Is duly registered in the semester
- (ii) Has been permitted, after registration, to withdraw from the semester
- (iii) Has been given prior permission to stay away for the semester
- (iv) Has been asked to stay away from the Institute for the semester.

When a student, who has been permitted to stay away from the Institute for a semester or more, comes back, his subsequent program would be normally governed by the then current academic structure and regulations.

When a student fails to register in a semester without any prior permission to stay away, his name would be struck off the rolls of the Institute and he would no longer be a student of the Institute. His case will be closed. If, however, such a person, after his name has been struck off the rolls of the Institute, is permitted to come back, his case can be treated as in the clause 3.3.17 above with the provision that all his previous records as a former student are revived under the current structure, regulations and schedule of fees.

### **3.2.2 Teaching and Evaluation**

The objective of classroom education is to awaken the curiosity of the student, generate habits of rational thinking in him, gear his mind to face the unfamiliar and train him to stand on his own. Classroom instruction helps the student in the organization and correlation of facts, comprehension of ideas and the creative use of knowledge.

The teacher also has the added responsibility to make the student search for knowledge on his own and induce him to use additional facilities like the library, laboratory and the environment, to optimize his learning process. Self-study by the student would therefore form an important factor in the planning of teaching and evaluation. The student is required to cooperate and respond to this challenge.

Every course whether single-section or multi-section is conducted by a member of the faculty called instructor-in-charge, with the assistance, wherever necessary, of the required number of instructors who will be partners with him in meeting the full academic perceptions and organizational needs of teaching the course and evaluating the students. Wherever the instructor-in-charge is mentioned hereafter, it connotes the team of instructors, acting as one entity under his captainship. The instructor-in-charge should make a comprehensive plan in respect of conducting the course even before the semester begins. In a multi-section course, all instructors must remain in continuous interaction in order to ensure a smooth operation of the course. While recognizing variations due to personal attitudes and styles, it is important that these are smoothed out so that the operation and grading in different sections in a course, indeed between courses across the Institute, are free from any seeming arbitrariness.

At the beginning of class work, the instructor-in-charge/instructor must announce to his class/section through a Course Handout, the necessary information in respect of (i) the operations of the course (its pace, coverage and level of treatment, textbooks and other reading assignments, home tasks etc); (ii) various components of evaluation, such as tutorials, laboratory exercises, home assignment, several quizzes / tests / examinations (announced or unannounced, open book or closed book), regularity of attendance, etc. (iii) the frequency, duration, tentative schedule, relative weightage etc., of these various components; (iv) the broad policy which governs decisions about make-up; (v) mid-semester grading; (vi) grading procedure (overall basis, review of border line cases, effect of class average etc) (vii) Chamber consultation hours and (viii) other matters found desirable and relevant.

Teaching and evaluation form a unity of functions and operate in a climate of mutual understanding and trust. The different components of evaluation should be evenly spread out in the semester and would aim to draw out response from the students in regard to various attributes like spontaneous recall, ability to apply known concepts, capacity to work on his own, competence in conceptualized arguments, ability to face unknown situations etc. At least one of the components (examination) must be comprehensive enough to include the whole course and will be held at the end of the semester.

All written examinations are conducted at specified venues as per the pre-specified schedules. Examination schedules are announced to the students through course handouts and /or student circulars. The written examinations may consist of various types of question such as multiple-choice questions, problems, short-answer questions, descriptive answer questions may vary depending on the nature of the course. The components and the instruments of evaluation in certain courses like IP, Thesis, Seminar, etc., would follow a different regimen and methodology.

Just as evaluation is done in continuous manner, feedback should also be available in a continuous manner. Thus, the answer scripts must be promptly evaluated, shown to the students for them to obtain any clarification on their performance and returned to the

students whenever practical. The performance of the students in the examinations should be discussed in the class giving as much details as possible like the highest, lowest and average performances.

Mid –semester interim grading for each course will be announced to the students to facilitate them to know their current position relative to other students in that particular course. This grade alert may help the student improve his performance in the remaining components of evaluation.

It shall be the responsibility of the individual student to attend all classes and to take prescribed quizzes, tests, examinations, etc., and to submit, properly and promptly all homework. A student must normally maintain a minimum of 75% attendance in each of the campus-based courses without which he shall be disqualified from appearing in the respective examinations.

If a student does not maintain requisite attendance by the end of the semester, his registration in that particular course may be cancelled and he would be required to repeat the course. No Makeup is given in any circumstances; hence student is advised to maintain 75% attendance.

The attendance requirements in the Internship Program (IP) courses conducted at other organizations are more stringent. During these courses 100% attendance is compulsory. However, in genuine cases, the resident faculty member may consider and recommend a few days leave of absence for the approval of the appropriate authority, whose decision would be final in such a matter. During Internship Program, every student must conform to the rules and regulations of the host organization. Any unprofessional behavior, misconduct, indiscipline, irregularity at work or unsatisfactory performance would lead to the cancellation of registration in the course.

No Makeup is given in any circumstances; hence student is advised to maintain 75% attendance.

At the conclusion of the semester a student is awarded a grade in each of the courses he has taken during that period. The grade awarded to a student in a course will depend on his total performance in all the components of evaluation as designed by the instructor-in-charge and relative to the

Performance of all the students evaluated for that course.

The instructor-in-charge is responsible for holding the examinations, awarding final grades and transmitting the grades/reports to the authorities within the deadline set by him.

The list of letter grades, the grade points associated with them and their qualitative meanings are given below.

<b>Letter Grade</b>	<b>Qualitative Meaning</b>	<b>Grade Points attached</b>
A	Excellent	10
B	Good	8
C	Fair	6
D	Poor	4
E	Exposed	2

When a student takes up Thesis/Seminar courses in place of Internship Program (wherever such provision exists), he gets non-letter grades such as Excellent, Good, Fair, or Poor. These non-letter grades have no grade points attached with them.

At the end of the course, in certain situations, the instructor-in-charge may report certain events/facts in suitable words, in place of grades discussed earlier. These reports are not to be construed as grades. The various reports listed below are elaborated in the subsequent clauses.

- (i) Incomplete (I)
- (ii) Grade Awaited (GA)
- (iii) Withdrawn (W)
- (iv) Registration Cancelled (RC): Required to Register Again (RRA), Discontinued from the Program (DP), and
- (v) Not Cleared (NC).

If the instructor-in-charge finds a student to have not fulfilled some of the requirements of a course before the final deadline for

Transmitting the grade, and he is satisfied that he is able to transmit some grade or a report with or without this particular fulfillment, but at his discretion wishes to give the student an opportunity, he may, within the deadline, send a report 'I' (Incomplete) and also inform the student of the same. It shall be the responsibility of the student to contact the instructor-

in-charge in time for replacement of the 'I' report within two weeks after the end of the semester (and within one week after the end of summer term, for a summer term course) which may be relaxed by the Principal, failing which the instructor-in-charge will communicate whatever grade/report is possible for the situation. Whenever such relaxation is made, the Principal will specify at his discretion, with the consent of the instructor-in-charge, the date by which 'I' report has to be converted.

The requirement envisaged in clause 3.4.19 must be completed within the time allowed. If the extra time given goes beyond the registration in the next semester/term is not possible. The student in such a situation should seek permission to stay away.

There are many situations where operational and practical difficulties may cause a delay in the communication of a grade. Certain situation which are visualized in this connection are: (i) where a case of unfair means is pending; (ii) where a case of indiscipline is pending, and (iii) where the courses are being conducted at an off campus center for IP students, where precise co-ordination between the Institute and these centers may not work out in a timely manner. In these circumstances the Principal may authorize the instructor-in-charge to report GA (Grades Awaited). It shall be the responsibility of the instructor-in-charge to replace GA report by a letter grade or another report within the specified time. Whenever the GA report appears in the grade sheet, permission for further registration of such a student shall be at the discretion of the concerned Principal.

Whenever a student is allowed to withdraw from a course, the same is recorded in his grade sheet as W (Withdrawn). The student will have to register for the course when it is offered next and obtain a valid letter grade. If the course with 'W' report is a prerequisite course for another course, the registration to the course is possible only on obtaining a valid letter grade in the prerequisite course with 'W' report. No withdrawal is possible without the approval of the concerned authority.

Where a student's registration for a course has to be cancelled, this fact will be reported in the grade sheet as RC (Registration Cancelled). An event will be reported as RC in the following cases:

- (i) Cancellation is recommended as a part of disciplinary action for resorting to unfair means during examination or other unprofessional behavior.
- (ii) A provisionally admitted student fails to submit the proof of necessary documents required for registration and / or does not satisfy the minimum eligibility requirements for the admission within the prescribed time limit.
- (iii) When a student persistently and/or deliberately does not pay off his dues.

RC itself has many meanings and may be reported as the following:

- (iv) RC1: Registration cancelled and attendance has not met the attendance criteria for appearing in End-Term Examination, When it is clearly known that

the student will be required to register again in the same course, the event will be reported as RRA (Required to Register Again).

(v) RC2: Registration cancelled due to using UFM during Examination.

(vi) If RC amounts to discontinuation from the program it will be reported as DP (Discontinued from the Program).

(vii) If the cancellation of registration is not reported either as RRA or as DP but is reported as RC, it does not necessarily mean that it is free from any constraint. The meaning of the constraint has to be construed from the context in which the RC is reported.

If a student continued to remain registered in a course but gave the instructor inadequate opportunity to evaluate him by absenting himself from quizzes /tests / examinations / other components of evaluation, or by appearing in the same for the sake of appearance without applying himself to the task in hand or by submitting a blank script (answer book), or has less than the minimum attendance required, this event would be reported as RRA (Required to register again).

Whenever a student gets an NC report in a course irrespective of whether he has a grade in the course or not earlier to this event, the following will govern further action. It is to be noted that an NC cannot be ignored, except under the situations described in (b) and (c) below:

- (a) Whenever a student gets an NC report in a course which is in the compulsory package of his program, he is required to register again in the same course and get a valid grade therein.
- (b) If a student has an NC report in a course taken as elective, he can either repeat the course to get a valid grade or ignore it to choose another course. However, a student must get valid grades in at least the prescribed number of electives in his program.
- (c) Whenever a student's record has an NC in a course which remains unaccounted after a process of transfer has been completed, it will not be possible for him to wipe out the NC report in such a course because this course is not a part of his program anymore; and he can graduate with this NC.
- (d) If a student is reported NC in a project course, it will be administratively converted to RC by the Principal and future registration in project courses will be done only if the Principal is satisfied with the genuineness of the candidate's interest in the course.
- (e) If a student is reported NC in Thesis or Seminar, he will be required to register in the same for one more semester. Operationally, this is to be achieved by requiring him to register once again in as many units of Thesis or Seminar in which he had registered when he was awarded NC. If these two courses get separated due to NC in one of them, there is no need to register in the other.

- (f) If a student has already met the attendance criterion for appearing in the comprehensive exam then he/she will not be required to attend classes to re-appear in the comprehensive examination for grade improvement or for any other reason. The student can take exam by self-study. In this case, his internal marks and mid-term marks obtained in the first registration will remain unchanged. Accordingly, NC/GI/RC2 (RC2: Registration cancelled due to using UFM during Examination) cases would fall in this category.
- (g) A student who has not satisfied the criterion of attendance for appearing in comprehensive exam would be required to attend the Summer/Regular term classes, and meet the attendance requirement to appear in Mid-Term and Comprehensive Examination. In this case, the student will be evaluated fresh in terms of his/her internal marks, Mid-Term marks and End- Term marks. Accordingly, RRA/RC1 (RC1: Registration cancelled and attendance has not met the attendance criteria for appearing in End-Term Examination) cases would fall in this category.
- (h) To pass a Course, a student must secure minimum 30% marks in both Comprehensive examination and Grand total.
- (i) Course in which the number of registered students will be less than 30, absolute grading may be adopted. The grade range of absolute grading will be as follows:

Grade	Marks range
A	≥80
B	60 but < 80
C	40 but < 60
D	35 but < 40
E	30 but <35

- (a) The Cumulative Grade Point Average (CGPA) will be used to describe the overall performance of a student in all courses in which he is awarded letter grades, since his entry into the Institute up to and including the latest semester/term. It is also used for the declaration of division when the program is completed. CGPA is the weighted average of the grade points of all the letter grades received by the student from his entry into the Institute and is computed as follows:

$$CGPA = \frac{(u_1 g_1 + u_2 g_2 + \dots + u_n g_n)}{(u_1 + u_2 + \dots + u_n)}$$

where  $u_1, u_2, u_3, \dots, u_n$  denote units associated with the courses taken by the student and  $g_1, g_2, g_3, \dots, g_n$  denote grade points of the letter grades awarded in the respective

courses. On the other hand, the reports obtained in a course or non-letter grades obtained in Thesis/Seminar will not alter the CGPA, since the same are not accounted for in the CGPA calculation.

When a student repeats a course in which he has already received a grade, as soon as a new grade is obtained, it will replace the earlier one in the calculation of CGPA. It is to be noted that only the latest grade in a course is taken into account for the calculation of CGPA and not the better of the grades, when a course is repeated.

A student's grades, reports, CGPA, etc., at the end of every semester/term will be recorded on a grade sheet, a copy of which will be issued to the student. The grade sheet will be withheld when a student has not paid his/her dues or when there is a case of breach of discipline or unfair means pending against him/her.

While registration with approval of appropriate authority consistent with these regulations is a token of permission to pursue studies, the grade sheet is a complete record of the outcome of what was intended in the original/amended/revised registration. The various grades and reports discussed above would be appropriately used to tally the grade sheet with original/amended/revised registration. It would be evident that this tally between what was registration for and what was obtained in terms of grades and reports will apply to all courses except the course, which was originally registered for, but subsequently replaced by another course through substitution. The tally is made on a course basis at the end of semester/term to determine which of the courses have been cleared. A course is deemed to have been cleared if the student obtains a grade in the course. However, mere clearing of the prescribed courses does not tantamount to fulfilling the requirements of graduation.

While all the grades secured, reports and other pertinent information for a semesters are given in a grade sheet, the chronologically organized information from the grade sheets of a student with the necessary explanation constitutes his transcript which is issued at the time he leaves the Institute or at an intermediate point on request.

### **3.2.3 Minimum Academic Requirements**

The educational philosophy of the University interlinks and at the same time distinguishes between the performance of a student in a single course and his overall cumulative performance. Accordingly the expected minimum academic requirements for the undergraduate programs of the University.

At the end of every semester/term the following minimum academic standards have to be maintained by the students.

- (i) A student should not have secured more than one 'E' grade in that semester.
- (ii) A student should have CGPA of at least 4.50.

The requirements (i) and (ii) of clause 3.5.2 above are the minimum requirements that every student should meet at the end of every semester. Failure to meet



even one of these requirements will automatically bring him under the purview of the Academic Counseling Committee (ACC), or a designated authority. The ACC takes immediate charge of the student and requires him to follow a specific path so that he could be rehabilitated at the earliest. Failing the efforts made by ACC to rehabilitate the student, he would be required to leave the Institution.

During the pendency of this purview, the student will lose all his options in regard to the various features permitted during the process of registration namely; option of naming the course, choice of courses under electives, repetition of courses, taking a higher level course, departure from the normal, etc; and will also lose all his options for amendment to his original registration namely; substitution and withdrawal. However, ACC would have rights to revise the original registration at any time during the semester. Indeed, his entire semester load will be determined by ACC and will have to be followed to the satisfaction of ACC.

If the student's performance in the course package prescribed by the ACC in each semester suffers from NC report or lack the effort on the part of student, it would be construed that he/she is not working to the satisfaction of ACC and it may lead to more stringent restrictions on the student. It should be his/her single minded objective to fulfill the minimum academic requirements, thus enabling the student to get out of the purview of the ACC.

Once a student has been placed under the purview of ACC, he should continue to be under its direct guidance until ACC, after being satisfied with his/her overall progress and performance, declares the student to be out of its purview. All decisions of ACC shall be final.

### **3.2.4 Graduation and Eligibility**

A student is deemed to have fulfilled the requirement of graduation for the program when he/she satisfies the following conditions:

- Cleared all the courses prescribed for him/her in his/her program within the stipulated period specified in the regulations.
- Obtained a minimum CGPA of 4.50
- Remained out of the purview of ACC or has been declared to be out of its purview
- Overcome all the consequential stipulations of an NC report; except where there is an NC report in an elective course over and above the prescribed number of elective courses or in a course which has ceased to be a part of his/her current program; and
- Satisfied all requirements of the Program regulations.
- A student is deemed to have become eligible for the Bachelor's degree if, in addition to satisfying the above requirements of clause 3.6.1, he/she has satisfied all the rules of evaluation. No case of indiscipline or unfair means pending against him/her.

However, in case of a student having outstanding dues against him/her to be paid to the University, Hostel or any other recognized organ of the University, his/her degree will be withheld until the said dues are cleared.

Students who fulfill the graduation criteria will be given a provisional certificate before the convocation. The Bachelor's degree will be awarded during the convocation.

The following classification based on CGPA will be made and mentioned in the graduation certificate of the student.

Distinction	CGPA 9.00 or more
I Division	CGPA 7.00 or more but less than 9.00
II Division	CGPA 4.50 or more but less than 7.00

### **Repeating a Course**

The Student has an option to repeat a course to improve the grade either in summer term or in regular semester. In such a case the following conditions will apply:

- i. The course, which the student wants to repeat by attending classes, should be offered in that regular semester.
- ii. The student has paid the course repetition fee during regular/Summer term as mentioned below:

School Name	Category of Student	(in Rs.)	Class Attendance Requirement
IBS/ ITS/ ILS/ IEdS	NC & GI	<b>2000</b>	By Self Study
	RRA	<b>5000</b>	By Attending classes with 75% attendance
	RC1	<b>5000</b>	By Attending classes with 75% attendance
	RC2	<b>2000</b>	By Self Study

\* NC: Not Cleared, GI: Grade Improvement, RRA: Required to Register Again, RC1: Registration Cancelled due to Disciplinary Action during Semester, RC2: Registration Cancelled due to caught under UFM during End Semester Examination.

### 3.2.5 Summer Term

IUD may offer a summer term after the completion of even semester, in order to provide an opportunity to the students who have obtained a valid grade in the course but not meet the academic requirements, to improve the grade. The rules and regulations governing the offer of the summer term are as under-

RRA / NC / GI students can register for the course in the summer, subject to availability of the courses and faculty members. RRA / NC / Grade Improvement students can register for maximum of four courses only.

RRA registered students must complete 75% attendance to appear in all the components of each subject for final evaluation.

NC / GI students are not required to attend classes for such courses, and they have to appear only for the end term examination. Their previous continuous evaluation marks will remain unchanged. However, they have the choice to register as RRA and attend classes. In this case, they will be evaluated on all the components including continuous evaluation, and their latest marks will be applicable.

All registered students are required to pay registration fee as per the university notification.

All Registration Cancelled (RC) students can register for the course only after the consent of disciplinary committee. In General, Project / IP course registration is not allowed during summer

semester.

All the registered students are required to collect information regarding summer semester examination schedule (all the examination components) from the concerned School only. If a student has skipped a semester then he/she can be allowed to register for that semester only in the similar regular (odd/even) semester.

IUD reserves the right to offer / reject the application for registration to a particular course. It is not mandatory to offer such courses as requested by students.

Summer Term fee structure will be same as mention above.



# PART 4

# Student Code of Conduct

## **PART 4 STUDENT CODE OF CONDUCT**

### **4.1 Principles**

This Code of Conduct has been formulated to provide a clear statement of the University's expectations from the students in respect of academic matters and personal behavior. Studying at IUD presents opportunities for interacting with other members of the University community. The University recognizes and values the diversity of student experiences and expectations, and is committed to treating students, both academically and personally, in a fair and transparent manner. All students, in return, are required to comply with the requirements set down in this Code of Conduct.

#### **4.1.1 The University reaffirms its commitment to**

- High academic standards, intellectual rigor and a high quality education;
- Intellectual freedom and social responsibility;
- Recognition of the importance of ideas and the pursuit of critical and open inquiry;
- Tolerance, honesty and respect as the hallmarks of relationships throughout the University community; and
- High standards of ethical behavior.

All students are required to be aware of and act consistently with these values.

#### **4.1.2 Coverage**

This Code of Conduct applies to all students of the IUD, in respect of all actions and activities (including inaction or inactivity) relating to or impacting on the University or its students and employees. It must be read in conjunction with the statutes, rules, and resolutions of the University.

#### **4.1.3 Definitions in this Code of Conduct:**

**Student** means all students of the ICFAI University, Dehradun.

**Employee** means all staff of the ICFAI University, Dehradun, (including Full-time, Part-time or Casual staff).

## 4.2 Personal conduct

All students must:

- Treat all employees, honorary appointees, consultants, contractors, volunteers any other members of the public and other students with respect, dignity, impartiality, courtesy and sensitivity;
- Maintain a cooperative and collaborative approach to inter-personal relationships;
  - Act honestly and ethically in their dealings with University employees, honorary appointees, consultants, contractors, volunteers, any other members of the public and other students;
  - Respect the privacy of employees, honorary appointees, consultants, contractors, volunteers any other members of the public and other students;
  - Ensure that they do not act in a manner that unnecessarily or unreasonably impedes the ability of employees, honorary appointees, consultants, contractors, volunteers any other members of the public and other students to carry out their study, research or work at the University; and
  - Ensure that they do not become involved in or encourage discrimination against or harassment or bullying of employees, honorary appointees, consultants, contractors, volunteers any other members of the public or other students.
- Ensure that they will not use mobile phones during classes.
  - Ensure that they will not consume alcohol or smoke in the campus or indulge in any kind of illegal activities
- Ensure that they are in proper uniform.
  - Practicing high standards of academic and professional honesty and integrity.
  - Respecting the rights and privileges of other students.
  - Respecting the rights and privileges of members of the academic community.
  - Safeguarding and protecting the campus property.
  - Refraining from any conduct that would interfere with campus functioning or endangers the health, welfare or safety of other persons.
  - Complying with the rules, regulations, procedures, dress code and policies of the campus.
  - Abstaining from any conduct that might malign the image of the Campus in the eyes of the stakeholders and public in general.
  - Maintaining discipline and decorum in the off campus accommodation.

Any student found to have engaged in any of the following activities shall be subject to disciplinary action:

- Obstruction or disruption of teaching, administration, seminars, class discussions and other activities of campus.
- Ragging
- Sexual Harassment
- Facilitating unauthorized entry or use of campus facilities by outsiders.
- Disorderly/obscene conduct or expression.
- Forgery, alteration or misuse of IUD documents.
- Use of unfair means in any of the evaluations.
- Unruly behavior with students/staff/faculty.
- Damage/pilferage of campus property.
- Absenteeism beyond the permissible limit.
- Causing nuisance or disturbance in and outside the institution.
- Cheating, plagiarism and academic dishonesty.
- Use, production, distribution, sale, or possession of alcohol/drugs in a manner prohibited under law.

In such cases, the matter will be referred to University Disciplinary Committee which will investigate and recommend disciplinary action leading to either cancellation of admission or semester registration.

#### **4.3 Students indulgence in any act outside the Campus**

- The students are brand ambassadors and should maintain proper decorum and decency outside the campus. The student will be solely responsible for any action or omission committed by him/her outside the campus.

#### **4.4 Academic Conduct**

All students must:

- Ensure that their enrolment and progress in their award course is lawful and



consistent with the statutes, rule and resolutions of the University. It is a student's responsibility to observe key dates and deadlines;

- Read all official correspondence from the University, including email;
- Act ethically and honestly in the preparation, conduct, submission and publication of academic work, and during all forms of assessment, including formal examinations and informal tests;
- Avoid any activity or behavior that would unfairly advantage or disadvantage another student academically;
- Behave professionally, ethically and respectfully in all dealings with the University's learning partners during extramural placements and practicum;
- Use University resources, including information and communication technology resources, in a lawful and ethical manner and for University purposes only, unless express permission has been granted for non-University or private usage.

#### **4.5 Hostel Rules**

➤ These rules are intended to provide a safe and conducive environment to the resident students of The ICFAI University, Dehradun (here in after referred to as 'The University'). The University has the right to modify these rules from time to time for ensuring quality living conditions in the hostels. The students are governed by the rules and regulations which are currently in force.

➤ The Hostel Warden is vested with the power to interpret and enforce the rules and regulations and for the administration and management of the hostel admissions/re- admissions.

➤ The Hostel Warden reserves the right to break open the doors of the room in case of any violation of hostel rules, suspected unlawful activities or on the basis of perceived security risk.

➤ The Hostel inmates with chronic medical problems will be asked to vacate the hostel room immediately, as personal medical care by parent/guardian will be necessary.

➤ Continuation of stay of a student in the hostel is subject to the discretion of the University Administration.

➤ Allotment of the hostel rooms shall be made by the Hostel Warden.

➤ The hostel inmates should not enter into any unnecessary conversation, quarrel or altercation with the hostel/mess/ security staff. If anyone has any complaint against any employee of the hostel, a written complaint against the person is to be lodged with the Warden/Assistant Warden. Use of abusive, vulgar and unparliamentary language against the hostel/mess/ security staff is

strictly forbidden. Any complaint received in this regard against the inmates will be dealt with seriously.

- Collection of donation for any purpose (Religious/otherwise) is strictly prohibited.
- Smoking is strictly prohibited in the hostel buildings. A fine of Rs. 1000/- shall be imposed for the first time, if a hostel inmate is found smoking or in possession of cigarettes within the Campus. If it is repeated, his/her parents shall be informed and the student is liable for expulsion. Gambling in any form such as playing cards (even without money at stake), consumption of alcohol, use of drugs and narcotics and even possession of such things are strictly prohibited. A fine of Rs. 1000/- shall be imposed if the student is consuming alcohol or possessing alcohol for the first time, if it is found to be repeated the parents will be informed. In addition to fine the inmate will be liable for expulsion from the hostel. Anyone found indulging in the use of such things will not only be asked to vacate the hostel but also be rusticated from the University. All the students entering the Campus shall check their bags individually to ensure that they are not carrying cigarettes, narcotics and alcohol bottles. If they are found carrying such things by the security at the main gate, the student will be penalized with a fine for the first time.
- The hostel rooms are subject to inspection by the University / Hostel authorities to make sure that they are kept neat and tidy and no unauthorized items like liquor, drugs, weapons etc., are kept in the room. Possession of any weapons or any instrument / contrivance, which is likely to cause physical harm to others, is strictly prohibited. Mere possession of weapons or firearms constitutes a grievous offence that can result in expulsion from the University and the hostel.
- The hostel inmates are not permitted to stay away from the hostel beyond 9 PM without prior written permission of the Warden. Hostel inmates leaving the campus should inform the warden in writing and register at the gate. The inmates, who are not found in their respective rooms after 10.00 PM, will be liable for appropriate disciplinary action for misconduct as per the rules.
- The entry of men is strictly forbidden inside ladies hostel except University Officials on duty with valid passes. Likewise ladies are not permitted to enter the gents' hostels.

- Ragging in any form (making unpleasant noise, disorderly conduct, doing any act which causes or likely to cause physical or psychological harm or raise apprehension or fear of shame or an embarrassment to the new student, which includes teasing, abusing, playing practical jokes on or causing harm to such students or asking the new student to do any act or to perform such things which such student will not in the ordinary course willingly do) is strictly forbidden. If anyone is found guilty of ragging he/ she will be expelled and also liable for prosecution which will result in punishment according to the provisions and rules of the anti-ragging act.
- All hostel inmates must report any disciplinary matter or problems, concerning them or their room-mate/neighbor(s), coming to their notice to the Warden/ Assistant Warden directly. In case of any inmate's room-mate is absent from the room or is sick / admitted in the hospital or is in any kind of physical/mental trouble or is indulging in any bad practices, the same must be immediately brought to the notice of the Warden/ Assistant Warden.
- Any hostel inmate found guilty of misconduct or continual breach of the above rules or of gross indiscipline or who is found to be a bad influence on the other resident students, is liable to be expelled forthwith. The decision of the authorities in this regard shall be final and binding on the student, and her/his parent/local guardian will not be permitted to question the authorities on any ground whatsoever.
- All students are expected to conduct themselves in a manner compatible with the University's mission as an educational institution and a community of students, scholars, and teachers. Common goals are to protect and respect each individual's well-being and to enable us to live and work together with a minimum of conflict and a maximum of personal freedom. It is the right of each member of our community to attend, make use of, and enjoy the facilities and functions of the University without interference or disruption. Students' failure to comply with these standards of conduct may result in discipline.
- It is also each student's responsibility to keep apprised of University's specific policies and regulations and laws. Students must reach the University in proper uniform. Any student who engages in Academic or Social misconduct shall be subject to disciplinary action by appropriate office of the University.

## **Maintenance of Discipline among the Students of the University**

### **4.6 Act of Indiscipline**

No student of the University shall indulge in an Act of in discipline which includes:

- a. Misconduct, any gross violation which results in Police Case.
- b. An act punishable under any law for the time being in force.
- c. An act violating the provisions of the University Act, Regulations or rules framed from time to time;
- d. An act in breach of any undertaking;
- e. Refusal to obey the direction of the University Officers, Proctors, Wardens Faculties or any other authority of the University;
- f. An act involving physical violence or use of abusive language or destruction of University property.;
- g. Participation in any activity which disturbs the peace in the University or administrative or academic atmosphere of the University;
- h. An act which brings the University into disrepute;
- i. An act of ragging
- j. An act affecting adversely the modesty of any girl student or lady staff.

#### **4.7 Disciplinary Actions**

The University or the officers on authorized may take one or more of the following actions in regard to indiscipline:

- a. Rustication of the student for all time under intimation to other Universities
- b. Expulsion of the student from the University for a specified period from specified activities or for all time to come under intimation too the Universities.
- c. Suspension of a student for a specified period either from all privileges of the University entry of adverse remarks in the character roll of a student or only from specified activities.
- d. entry of adverse remarks in the character roll of a student
- e. imposition of fine of a stipulated amount
- f. issuance of warning to a student

#### **4.8 Procedure for Taking Action**

- a. Disciplinary action stated in clause 2(a),(b),(c)and(d) above shall be taken by the Vice-Chancellor.
- b. Disciplinary action stated in clause 2(e) and (f) above shall be taken by any officer, teacher, Proctor or Warden with the approval of the Vice-Chancellor.
- c. No student shall be subjected to any disciplinary action unless the concerned student is given a fair opportunity to represent his/her case.
- d. The Registrar, in case of acts of indiscipline attracting the disciplinary action stated in clause 2(a), (b), (c) or (d) as the case may be, shall appoint an Inquiry Committee to enquire into the matter and the Inquiry Committee shall submit its recommendation to the Registrar.
- e. The Vice-Chancellor, after receiving the report from the Registrar shall pass necessary orders in that regard which shall be final.

#### **4.9 Prohibition of Ragging in the University**

##### **What Constitutes Ragging**

Ragging constitutes one or more of any of the following acts:

- (a) Any conduct by any student or students whether by word s spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;
- (b) Indulging in rowdy or indiscipline activities by any student or students which causes or is likely to cause annoyance, hardship, physical or

psychological harm or to raise fear or apprehension thereof in any fresher or any other student;

(c) Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or to mentor embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;

(d) Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;

(e) Exploiting the service so fa fresher or any other student for completing the academic tasks assigned to an individual or a group of students.

(f) any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;

(g) any act of physical abuse including all variants of it : sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;

(h) any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;

(i) any act that affect the mental health and self- confidence of a fresher or any other student with or without an intent to derive as sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

**Ban on Ragging:** There is a total ban on any act of ragging performed directly or indirectly by any student of the University. No student shall commit, abet, propagate, or participate directly or indirectly in ragging in or outside the University.

#### **4.10 Anti Ragging Bodies:**

(i) There shall be the Anti Ragging Committee and Anti Ragging Squads to be appointed by the Vice Chancellor to keep strict vigilant to report any incident to fragging to the Vice Chancellor.

(ii) Any fresher or junior student who apprehend or is victimize do f ragging may report the matter to the Anti Ragging Committee which may after proper inquiry report the matter to the Vice Chancellor.

(iii) (iii)The Anti Ragging Committee may also *summon to* take cognizance of any apprehension or act of ragging and report the matter to the Vice Chancellor.

(iv) The fresher or junior students will be supplied by the University the mobile/telephone number of the Member so the Anti Ragging Committee and Anti Ragging Squad and they may directly contact the min case of any need.

(v) Any teacher, non-teachings staff of the University, the Member of the Proctorial Board, any employee working in the Canteen of the respective hostels or any student may also inform the Anti Ragging Committee of any apprehension or act of Ragging in the University.

#### **4.11 Supervision of the Ragging Activities**

(i) The student taking admission as a fresher or a student continuing to the higher classes, shall be required to give an affidavit signed by the student and endorsed by the parents/guardian that the students shall not indulged in any form of ragging and that in case he is adjudged guilty of indulging in any act of ragging, he shall be liable to be proceeded against this Regulation and/or law of the land for the time being in force.

(ii) The Members of the Proctorial Committee, appointed by the Vice Chancellor, shall take frequent rounds in there spective hostels and the University Campus to keep strict vigilant report any incident to fragging.

(iii) The Members of the Anti-Ragging Squad will also take frequent rounds of the respective hostels, and sensitive locations where ragging maybe possible. The Anti Ragging Squads shall submit daily report to the Anti Ragging Committee and a copy there of for information to the vice Chancellor. The Squads shall also generate a feeling of confidence in the fresher and junior students against fear of ragging.

(iv) The Members of the Anti-Ragging Committee shall take everyday stock of any act of ragging in the University. The Members shall also take frequent round of their respective hostels and sensitive location search day and submit a daily report along with their part of the Anti-Ragging Squads to the Vice Chancellor.

(v) The Anti Ragging Committee will initially inquire into any act of ragging in the University. The Committee may, while inquiring into the matter, give an opportunity to students victimize and those who are alleged to be involved in the act of ragging to present their view points.

(vi) The Anti Ragging Committee will then submit its report to the Vice Chancellor for further action in the matter.

(vii) It shall be the responsibility of the Warden(s), Anti Ragging Squads and the Anti Ragging Committee to inform from time to time any act of ragging in the University to the Vice Chancellor.

(viii) Unless permitted by the University authority, entry of senior students or outsider shall be prohibited during 10.00 PM to 6.00 AM to the wings of the respective hostels where the fresher students are allotted rooms. This prohibition will remain valid during one month from the date of admission of the fresher students to the respective hostels.

#### **4.12 Procedure for Action**

- (i) The Vice Chancellor may constitute an Inquiry Committee, consisting of members appointed by him, to inquire into any act of ragging.
- (ii) The Inquiry Committee shall be supplied with all the details along with the reports of the Anti-Ragging Committee, Anti Ragging Squads and the Proctorial Board, if any.
- (iii) The Inquiry Committee shall give due opportunity of hearing to the victims and the students involved in ragging.
- (iv) After detail inquiry into the matter, the Committee will submit its final report to the Vice Chancellor.
- (v) On the report of the Inquiry Committee, the Vice Chancellor may take necessary action in the matter.

#### **Punishment**

- Those student who have been adjudged guilty of any act of ragging in the University shall be subject to one or more of the following punishment, namely
- Suspension from attending classes and academic privileges.
- Withholding/withdrawing scholarship/fellowship and other benefits.
- Debarring from appearing in any test/examination or other evaluation process.
- With holding results.
- Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.
- Suspension/expulsion from the hostel.



- Cancellation of admission.
- Rustication from the institution for period ranging from 1 to 4 semesters.
- Expulsion from the institution and consequent debarring from admission to any other institution for a specified period.
- Fine which may be decided by the Pretoria Committee.
- An FIR may be filed with the nearest police station against a student indulged in any act of ragging.
- In case of ragging involving loss of property of the victim or the University; the concerned student shall also be liable to compensate the loss to the property. In such case the Vice Chancellor may impose fine and/or also order to compensate the losses caused.
- In order to partially compensate the loss, the Vice Chancellor may order for the feinting of any caution money deposited by the said student with the University as an inter immature to compensate the loss caused and such amount may be used to compensate the loss.
- In case the student involved in ragging or abetting ragging is noted entities, the Vice Chancellor may impose collective punishments and/or fine.
- An appeal against the order of punishment shall lie to the appropriate authority of the University.
- 

#### **4.13 Refund Policy**

1. Hostel fee once paid will not be refunded in case the student occupies the facility.
2. In case a student fails to take possession of the allotted room and submit as written application to the Registrar for withdrawal from the Hostel, on or before July 28, 2023, full refund of the hostel fee paid earlier would be made.
3. Security Deposit would be refunded at the time of final vacation of the hostel after deducting dues if any.



90.2  
83.4  
67.5

# PART 5

# Internship program

67

## **PART 5 INTERNSHIP PROGRAM**

### **5.1 Objective**

The Internship Program (IP) forms an important component of the education at IUD. This program is an attempt to bridge the gap between the academic institution and industry by involving the students in an ongoing developmental activity under the direct supervision of experienced Faculty and experts from the Corporate World. The IP method of education and curriculum represents a controlled simulation of real life situations and circumstances. It is adopted by IUD to link the educational institution with the real working environment. The Internship Program requires the students to undergo the rigor of the professional world in form as well as in substance, providing them an opportunity to apply their class-room knowledge to live situations which cannot be simulated in the classroom environment. It differs from the “Practical Training’s well as “Sandwich Schemes” as the entire student education at the Internship Program station is supervised by the ITS faculty resident at the station and the program forms a part of the total credit towards student’s degree.

Students are advised to take up assignments, of direct interest to the host organization. These assignments involving team-work would be multidisciplinary, time bound, mission-oriented and goal-oriented. Solutions to various problems confronted in the assignment might be open-ended, involving an element of analytical thinking, processing and decision making in the form of insufficient data, parameters and uncertain situations.

### **5.2. Student - Faculty Interaction**

A team of students, attending the Internship program at an organization is assigned a faculty guide at the beginning of the program. The role of faculty is to interact with student as project guide and Industry supervisor regularly to chalk out an effective interaction plan, and later to know about the student’s progress in his respective projects and the quality and quantity of work put in by the student. Industry supervisor is invited to the seminars in order to involve them more effectively in the Internship Program.

### **5.3 Student-Industry supervisor Interaction**

The industry supervisor from the host organization helps in identifying the assignment suitable for the student. Later they act as technical guides to the students. Along with the faculty, they evaluate the student on the progress of the work. The industry supervisor time should not be taken for granted and the students should approach him/her well prepared for specific assistance, guidance or suggestions on the project.

## **5.4 Discipline and Conduct**

**Attendance: 100% attendance is compulsory for the Internship program.**

However, if for any genuine reason a student is unable to report to the allotted organization on any day, he/she should obtain a formal permission for leave of absence as per the rules and regulations of the organization. Permission should also be taken from the IUD faculty in-charge for the Internship Program.

As Interns, the students assume the role of IUD ambassadors. The University expects the students to maintain high standards of professional and social conduct in the organization. IUD expects the student at all times during the Internship Program, to conform to the rules and regulations of their place of work. It is important to be regular, punctual and obedient at work. During the period of Internship Program, the student shall be subjected to the leave rules of the organization he/she is working for and must ensure strict adherence to the timings of the organization.

Unprofessional behavior, misconduct, indiscipline, irregularity and unsatisfactory performance at work will lead to the cancellation of registration in the Internship Program. Consequently, a student may lose at least one year of study, besides other form of disciplinary action that IUD might deem fit to take.

## **5.5 Evaluation Criteria**

The educational process in the Internship program seeks and focuses attention on many latent attributes that do not surface in the normal classroom situation. Hence, the process of evaluation in these courses is designed with care so that information becomes available continuously. The following attributes are put to test here: intellectual ability, personality, commonsense, professional, judgment, responsibility and punctuality, team work, leadership qualities, ability to take initiative, problem-solving and decision making skill, capability to meet deadlines, communicate through oral and written presentations etc.

## **5.6 Project Report**

A Project Report is a written presentation of the work done by the students on a given assignment. It is important to bear in mind that even though the project report is submitted only at the end of any given assignment, in reality it is a culmination of continuous efforts on the part of the students.

The project report is judged on the following points: -

- Knowledge and comprehension of the problem.
- Ability to analyze and comprehend the subject and aim of study.
- Logical sequencing, organization and handling of the data in the problem.
- Findings, observations, concluding remarks in terms of the objectives set earlier and the future scope of the problem. Organization of the report.

### **5.7 Seminar/Viva-Voce**

The seminar evaluates the students in terms of the following: -

- Knowledge of basic concepts and physical principles and the ability to apply them.
- Additional knowledge acquired.
- Ability to analyze a given problem or situation.
- Logical development of the subject.
- Effective oral communication.
- Self-reliance, co-operation and moderation.

### **5.8 Evaluation through Observation**

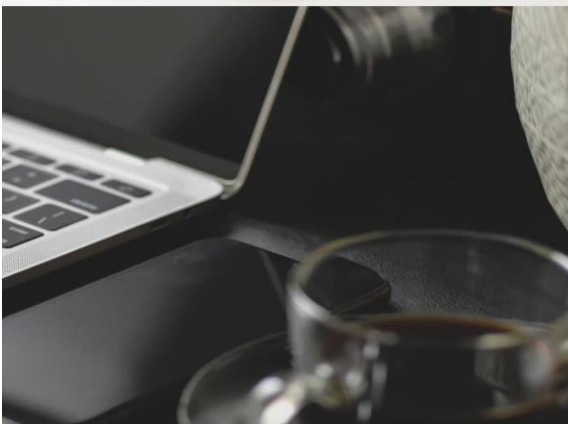
During Internship Program, student is evaluated through observations by the faculty and project guide for the following traits: -

- Regularity and ability to meet deadlines.
- Sense of responsibility.
- Initiative, leadership and co-operation.
- Industry and diligence.
- Social sense and adaptability to practical situations.

### **5.9 Diary**

Further, a student is expected to maintain a diary which is an attempt to cultivate the habit of documentation, enabling the student to develop his own thought process and reasoning abilities. Industry supervisor would check and sign the diary periodically. Here, the student is tested for the following attributes.

- Data procurement, calculations and presentation.
- Thought process.
- Regularity.
- Program wise Internship Program details are given below.



# Part 6

## Academic Administration Infrastructure

**PART 6 ACADEMIC ADMINISTRATION INFRACTURE**



## Faculty

A team of highly qualified, competent and committed faculty members steers the IUD. The University is endowed with teachers drawn from the leading institutions, practicing professionals and academicians to provide high quality of academic delivery. The institution plays a significant role in ensuring quality education through interactive teaching, continuous multiple criteria evaluation and constructive feedback mechanism. The faculty brings their extensive knowledge, professional experience and advanced education to their task at IUD.

## Library Facilities

The University has a well-stocked library containing reference materials, magazines and Indian/International books and journals. The library subscribes to the industry information database to make available large

### Computer Facilities



The University provides the latest hardware and software infrastructure to cater to all the computing needs of the students and faculty. The institution is equipped with powerful servers and multiple terminals with multiple operating systems enabling a client-server environment. The students are guided by well experienced faculty to handle the computer labs. Leased internet facility is available for undertaking research activities.

research resources and publications with search facilities to students and faculty. In addition, the



library contains directories, industry reports and statistical compilations that provide timely and concise information for project works. Library is open to all students and faculty members and is continuously updated with latest books and journals under the supervision and advice of the library committee.



## Laboratory Facilities

A central workshop with various machine tools and equipment's including CNC machine supports hands-on training in various areas of workshop practices.

Laboratories for Physics, Chemistry, Digital Electronics, Microprocessors, Communication, RF & Microwave, Robotics, Digital Signal Processing, Hydraulics & Hydraulic Machines, CAD, IC Engine, Refrigeration, Computer languages lab, Dynamics of Machine & Vibration, Advanced Mechanics of Solids & Kinematics etc. provide facilities for the students of different disciplines to acquire skills for measuring various parameters in science and technology.





## Awards and Medals

Students who successfully complete the program will be awarded relevant Degree by the University, subject to the University regulation. Students scoring the first rank and second rank on completion of their Program will be awarded Gold and silver medals respectively.



## IUD Alumni Society

IUD has established the IUD Alumni Society (IUDAS). All students are required to seek membership in IUDAS. The provisional membership in the alumni body

entitles the students to participate in seminars, workshops, conferences and local chapter activities organized by IUDAS.

## Co-curricular Activities

At IUD, emphasis is laid on the need to balance classroom and out-of-classroom life. The University endeavors to build up personal growth and maturity in the students by providing a variety of opportunities for participation and initiation in co-curricular activities. The activities have been intended to support the educational purpose of the University by working to create experimental learning options outside the classroom and encouraging the students to actively participate in the wider educational arena.

Through diverse activities, such as organizing seminars on contemporary issues, guest lectures and other inter-college competitions, the students learn to value collaborative and collective learning. Students are also encouraged to form informal groups and clubs based on their areas of interests, and share information and exchange ideas. Students also organize annual meets, which offer a wide array of opportunities to develop closer interaction with other colleges.



IUD encourages student involvement in several co-curricular activities like:

- Group Discussions Debating
- Elocution
- Quizzes
  
- Seminars
- Technical Group
- Sports meets Cultural Meets Skits & Plays Publications/ Magazines
- Academic meets
- Magazines

These co-curricular activities help the students to: -

- Improve communication skills
- Develop the right kind of attitude
- Discover and develop one's uniqueness and Intelligence
  
- Enhance leadership qualities and abilities
- Manage stress and work under pressure
- Emerge as a team player
- Refine interpersonal/group skills
- Improve creativity
- Set ambitious targets

### Extra -curricular Activities (Clubs) and Sports

The IUD is running various in-house clubs for the overall grooming/ development of students. The clubs are created to up bringing the inner talent of the students. The different clubs and their In-charge names are as under:

Sl. No.	Club Title	In charge Name
1.	Cultural Club	Ms. Mrigganshi Wilson
2.	Photography & Media Club	Dr. Gaurav Bhandari
3.	Sports & Trekking Club	Mr. Sanjeev Bisht
4.	Fashion Show Club	Ms. Ria Juneja
5.	Art & Painting Club	Ms. Amita Sharma
6.	Campus to Corporate Club	Ms. Natasha Pallavi
7.	Laughter Club	Mr. Saurabh Siddharth
8.	Social Activity	Ms. Monica Kharola

**Sports:** The IUD provides various sports facilities to the students asunder:

Outdoor Sports	Indoor Sports
Cricket	Table Tennis
Volley Ball	Carom
Basket Ball	Chess
Badminton	Squash
Hockey	Puzzles
Kabaddi	Cards











## **Placements**

Utmost importance is given to placement-related activities to ensure that all successful post graduates and graduates receive suitable placements. In this context, the University is uniquely placed to leverage on an industry network, developed over a period of time.

Over the past several years, a strong placement network has been developed with blue-chip companies in the manufacturing, engineering, financial services, information technology, and other sectors. A number of national and multinational companies have recruited the students through campus recruitment. This has been achieved through constant interaction with the industry by way of seminars, internship courses conducted in industries, research projects, and on and off-campus initiatives.

As a part of its placement efforts, placement teams visit potential employers and consultants and apprise them of the level of knowledge and practical application skills acquired by the graduates in their respective areas of specialization. The profiles of the students seeking placement assistance are made available to the prospective employers.

Placement meets and personality development workshops are organized as a part of the placement program. All the students are provided guidance in career planning as they progress to higher levels of the program.

The entire placement exercise is a joint effort between the University and the students. While the University provides guidance, support, and networking with potential employers, the students have the responsibility to put in the maximum possible efforts to obtain suitable placements.

## **Guest Lectures and Seminars**

Guest lectures and seminars play an important role in the development process of the students. Eminent academicians and practicing professionals are invited for guest lectures where the students get an opportunity to interact closely with them and understand the practical applications in various industries.

## **Student's Council**

Students' Council consists of Student Representatives. The council regularly interacts with the faculty members for necessary guidance. Students' Council meets regularly to decide and organize various activities on and off the campus.

## **Disciplinary Committee**

Students must adhere to the "Campus Rules" copies of which are distributed to the students. Anyone found violating any of these would come under the purview of Disciplinary Committee of the University and would be liable for the punishment awarded by the committee. A few guidelines are mentioned below:

- Ragging is strictly prohibited as per the Government Acts.
- Good behavior, discipline, and respect towards the faculty, staff and fellow- students are expected.
- Cell phones are strictly prohibited in the class rooms, laboratories, library, computer centre, examination halls etc.
- Decent dress code must be maintained within the college campus.
- Utmost care must be taken to avoid any damage while handling the property of the University.
- Adoption of unfair means in tests/examinations and other components of evaluation are strictly punishable.
- Students should carry their identity cards at all time.
- Smoking, gambling, consumption of alcohol and drugs in the campus/hostel premises are strictly prohibited.
- Gossiping or eating in the classrooms, library, computer centre and labs are not allowed even if the rooms are vacant.
- The students should strive to keep the campus clean and avoid littering.
- A student should not be involved in any case of violence or nuisance within or outside the campus.
- Hostellers should abide by the rules and regulations of the hostel. They should necessarily avail the mess. These guidelines are not exhaustive.

### **Prohibition of Ragging**

Students are prohibited from indulging in any disorderly conduct whether by words spoken or written or by an act with the effect of teasing, treating or handling with rudeness, any other student. Indulging in unruly or indiscipline activities which cause or are likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any student, junior or senior, or asking the student to do any act or perform something which such a student will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect the physique or psyche of the student is prohibited. Any student violating the above and thus indulging in any act or ragging, will be severely dealt with.

### **Conduct Regulations**

Students are expected to act in ways that are consistent with the role and guiding values of the ICFAI University, Dehradun. Students should regulate their own conduct so as not to impede or prejudice the work of other members. They are entitled to work, learn, study and participate in the social aspects of the institute's life in an environment of safety and respect. It is expected that students will act with integrity and demonstrate respect for others and adhere to the standards of conduct. Students should refrain themselves from misconduct of any kind.



## Sexual harassment

Sexual harassment of individuals occurring in the place of work or study or in other settings in which they may find themselves in connection with their association with the University is unlawful and will not be tolerated by the University. Further, any retaliation against an individual who has complained about sexual harassment or retaliation against individuals for cooperating with an investigation of a sexual harassment complaint is similarly unacceptable. To achieve this goal, conduct that is described as "Sexual Harassment" in this policy will not be tolerated and a procedure is provided by which inappropriate conduct will be dealt with, if encountered among employees/students. The University will also take all the appropriate steps necessary to protect individuals from retaliation. Such Steps include:

- Action to stop retaliatory behavior.
- Providing required security measures.
- Counseling help to Complainant and Accused.
- The University takes allegations of sexual harassment seriously, and will respond promptly to complaints of sexual harassment and where it is determined that such inappropriate conduct has occurred, prompt and appropriate corrective action as is necessary, including disciplinary action, will be taken.

While this policy sets forth the goal of the University of promoting a study or workplace that is free of sexual harassment, the policy is not designed or intended to limit the authority of the University to discipline or take remedial action for conduct which the University deems unacceptable, regardless of whether that conduct satisfies the definition of sexual harassment.

**Communication to Students** The primary mode of communication of the institution with the student is through e-mail. Students are expected to check their e-mail account regularly. Students can access the complete information like registration, detailed course syllabus, fee details, attendance, grades, scholarships and various forms through student zone.

**Merit Scholarships scheme 2022** The ICFAI University Dehradun offer merit scholarships to students pursuing the various Programs. The scholarships are based on performance in the qualifying examination and Semester-wise performance during the Program.

**A. Merit Scholarships based on past academic record: Based on Past Academic record:** Percentage of marks achieved in Class XII (or equivalent) for UG programs and graduation for PG programs will decide the amount of scholarship. The scholarship amount is equally distributed across all the semesters. Scholarship will continue semester after semester only on maintaining a minimum of 6.0GPA in the previous semester. The details are presented in the following table:

Programs	No. of Semesters	Amount of Scholarship in ₹*		
		Category I (≥ 90%)	Category II (≥ 80% to <90%)	Category III (≥ 70% to <80%)
B.Tech.	8	1,44,000	1,20,000	96,000
B.Tech. (Lateral Entry)	6	1,08,000	90,000	72,000
B.Sc. (Hons.) Mathematics / Diploma (Civil / Mechanical)	6	25,200	21,000	16,800
B.Sc. Data Science	6	36,000	30,000	24,000
BBA / BBA (FIA)	6	78,000	66,000	51,000
BCA / B.Com (Hons.) / BA(Hons.) Economics	6	27,000	22,500	18,000
BBA-LL.B. (Hons.) / BA-LL.B. (Hons.)	10	1,80,000	1,50,000	1,20,000
LL.B.	6	48,000	39,000	30,000
B.Ed.	4	34,000	28,000	22,000
MA Education	4	14,000	12,000	9,600
MCA	4	30,000	25,000	20,000
M.Tech.	4	42,000	35,000	28,000
LL.M. (1 year)	2	24,000	20,000	16,000
LL.M. (2 years)	4	48,000	40,000	32,000

\*Above Scholarship amount would be adjusted equally in 6 installments for 3 year BBA, BBA (FIA), BCA, B.Sc. (Hons. (Mathematics), B.Com (Hons.), B.Com (Hons.) TCSiON, BA (Economics), B.Tech. (Lateral Entry) and LL.B. Programs; 4 installments for 2 year B.Ed. MCA and M.Tech. Programs; 8 installments for 4 year B.Tech. Programs and 10 installments for 5 year Intergrated BBA-LL.B. (Hons) & BA-LL.B.(Hons) Programs in each semester fee payable..

**B. Merit Scholarships based on Semester-wise Performance:** Up to 10% of the students of the batch will be awarded merit scholarships in addition to the scholarship based on the past academic record. The details given below:

Programs	No. of Semesters	Academic Performance (CGPA)		
		Amount of Scholarship in ₹ (per semester)		
		Category I (≥ 9.00)	Category II (≥ 8.50 to <9.00)	Category III (≥ 8.00 to <8.50)
B.Tech.	8	18,000	13,200	9,000
B.Tech. (Lateral Entry)	6	18,000	13,200	9,000
BBA / BBA (Financial Investment Analysis)	6	13,000	9,500	6,500
BCA / B.Sc (Hons.) Mathematics / B.Com (Hons.) / BA (Hons.) Economics	6	4,500	3,300	2,250
BBA-LL.B. (Hons.) / BA-LL.B. (Hons.)	10	18,000	13,200	9,000
LL.B.	6	8,000	6,000	4,000
B.Ed.	4	8,000	6,000	4,000
MCA	4	7,500	5,500	3,750
M.Tech.	4	10,500	7,500	5,000
LL.M.	2	12,000	8,800	6,000

**Unique Scholarship of IUD**





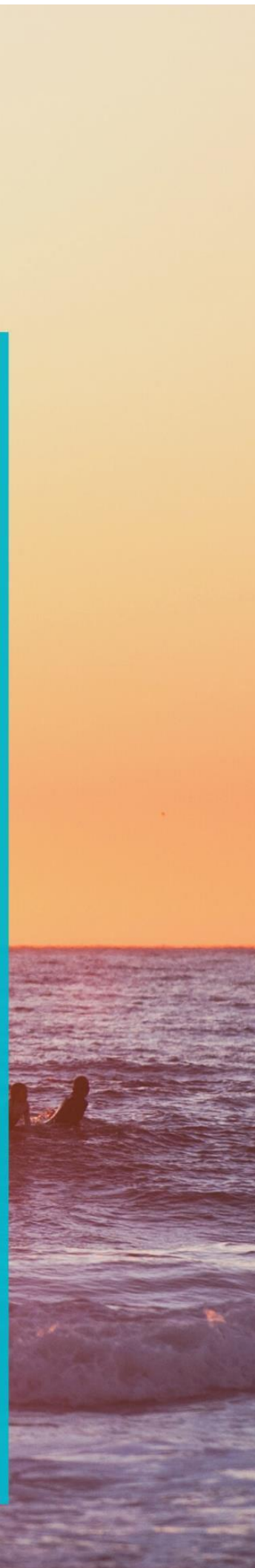
**Early Bird Program Fee Concession**

**Fee Concession for Domicile students of  
Uttarakhand**

**Scholarship for the Children of Armed  
Forces (Indian Army, Indian Air Force  
and Indian Navy), Border Security  
Forces, CRPF and Police Department**

# PART 7

## Activity calendar



## PART 7 ACTIVITY CALENDAR

### 7.1 ICFAI Education School

Date/ month	Duration	Name of activity
12/08/2022	1 day	International Youth Day
15/08/2022	1 day	Independence Day of India
08/09/2022	1 day	International Literacy Day
14/09/2022	1 day	Hindi Diwas
05/09/2022	1 day	Teachers day celebration
01/10/2022	1 day	International Day for Elderly
11/10/2022	1 day	International Day of Girl Child
31/10/2022	1 day	National Unity Day
07/11/2022	1 day	National Cancer Awareness Day
11/11/2022	1 day	National Education Day
14/11/2022	1 day	Children's Day
26/11/2022	1 day	National Constitution Day
14/12/2022	1 day	World Energy Conservation Day
24/12/2022	1 day	National Consumers Day
12/01/2023	1 day	National Youth Day
26/01/2023	1 day	Republic Day
21/02/2023	1 day	International Mother Language Day
27/02/2023	1 day	World Sustainable Energy Day
28/02/2023	1 day	National Science Day
08/03/2023	1 day	International Women's Day
20/03/2023	1 day	International Day of Happiness
07/04/2023	1 day	World Health Day
18/04/2023	1 day	World Heritage Day
08/05/2023	1 day	World Red Cross Day
22/05/2023	1 day	International Day for Biological Diversity
05/05/2023	1 day	5th June: World Environment Day

## 7.2 ICFAI BUSSINESS SCHOOL

<b>Date/ Month</b>	<b>Duration</b>	<b>Name of Activity</b>
27 May 2022	3 hours	The Cultural Carnival
30 May2022 to 03 June 2022	5 days	Faculty Development Program (Qualitative Research using MAXQDA)
21 June 2022	2 hours	Placement Preparation Session
22 June 2022	3 hours	Thought Leader Session (GST- Growing Technology & Global People Services and New Labour Code)
24 June 2022	3 hours	Student vs. Faculty Cricket Match
25 June 2022	2 hours	Thought Leader Session (Leading the Digital Era)
01 July 2022 to 08 July2022	1 week	Faculty Development Program (Advanced Research Methodology)
08 July2022	2 hours	Thought Leader Session (A Chapter beyond your School Syllabus)
15 July 2022	1 day	Fresher's
22 July 2022	2 hours	Investiture Ceremony
29 July 2022	3 hours	Thought Leader Session
12 August 2022	2 hours	Guest Lecture
15 August 2022	3 hours	Independence Day Celebration
31 August 2022	3 hours	Ganesh Chaturthi Celebration
02 September 2022	3 hours	Business Idea Competition
05 September 2022	2 hours	Teacher's Day Celebration
16 September 2022	3 hours	Thought Leader Session

23 September 2022	2 hours	Debate Competition
30 September	3 hours	Master Chef Competition
25 October 2022	1 day	Industrial Visit
31 October 2022	1 hour	Halloween Day Celebration
11 November 2022	2 hours	Guest Lecture
14 November 2022	2 hours	Children's Day Celebration (with the children of orphanage, Dehradun)
18 November 2022	3 hours	Thought Leader Session
25 November 2022	2 hours	Guest Lecture
09 December 2022	3 hours	Quiz Competition
23 December 2022	1 day	Christmas Day Celebration
28 December 2022	2 hours	Guest Lecture
04 January 2023	1 day	Industrial Visit
06 January 2023	2 hours	Guest Lecture
13 January 2023	3 hours	Thought Leader Session
26 January 2023	3 hours	Republic Day Celebration
17 March 2023	3 hours	Quiz Competition
24 March 2023	1 hour	Extempore
14 April 2023	2 hours	Guest Lecture
21 April 2023	2 hours	Guest Lecture
26 April 2023	1 day	World Intellectual Property Day

### 7.3 ICFAI TECH SCHOOL

<b>Date</b>	<b>Duration</b>	<b>Description of Events</b>
12/08/2022	1 Day	First Year Introduction and Welcome Program
25/08/2022	2 Day	Online Gaming Competition
15/09/2022	2 Day	N.J. Yaraswy Memorial- Inter School Science Competition
30/09/2022	1 Day	Awareness campaign by ITS students as a Social Responsibility
10/10/2022	1 Day	Vigyan Dham Dehradun (UCOST) students visit
25/10/2022	3 Day	Sports Fest
10/11/2022	1 Day	National Hydrographic Office Dehradun Visit
24/11/2022	1 Day	Industrial/Organization visit
26/01/2023	1 day	Republic Day
27/02/2023	1 day	World Sustainable Energy Day
28/02/2023	1 day	National Science Day
05/05/2023	1 day	5th June: World Environment Day

<b>7.4 ICFAL LAW SCHOOL</b>		
<b>Date/ month</b>	<b>Duratio n</b>	<b>Name of activity</b>
25-Nov-2022	11 AM to 4 PM	ConQuaestio 2022 (on the occasion of Nation Law Day)
26-Sep-2022	5 days	Sports Fest
29-Aug-2022	1 Hour	Guest Lecture
12-Sep-2022	1 Hour	Guest Lecture
12-Nov-2022	12 & 13 Novemb er 10 AM to 5 PM	National/International Conference
14-Sep-2022	10 AM to 5 PM	Hindi Diwas
5-Sep-2022	2 PM to 5 PM	Teacher's Day Celebration
23-Sep-2022	10 AM to 5 PM	Blood Donation Camp (on the occasion of Social Justice Day 25 Sept.)
27-Sep-2022	3 Days	Intra Moot Court Competition
12-Oct-2022	3 Days	National Moot Court Competition-2022
26-Aug-2022	Three Days	Intra-Trial Advocacy Competition
1-Oct-2022	3 Days (1,2 & 3 October)	National Trial Advocacy Competition
2/17/2023	1 day	Legal Aid Camp
9/15/2022	1 Day	PIL Drafting
1/20/2023	1 Day	Inter-University Quiz Competition on Legal Aid and Allied Laws
2/24/2023	1 Day	Workshop on Legal Aid &Public Interest Litigation for the students of IUD
3/17/2023	3 Days	Novice Moot Court Competition
2/10/2023	3 Day	Workshop On Art Of Advocacy
16/08/2022	01 Day	Call for papers
31/08/2022	01 Day	Release of newsletter
15/09/2022- 16/09/2022	02 Days	National Conference
29/09/2022 - 30/09/2022	02 Days	Judgment writing competition
10-Jun-2022	01 Day	Release of newsletter
11-Nov-2022	01 Day	Guest Lecture
1-Oct-2023	01 Day	Certificate course
30/01/2023	01 Day	National mediation competition
25/01/2023	01 Day	CCLG website building

14/02/2023	01 Day	Release of newsletter
15/03/2023	01 Day	National trial advocacy
15/04/2023	01 Day	Release of newsletter
12-Aug-2022	01 Day	National Poster Making Competition
20-Aug-2022	01 Day	Guest Lecture on Akshay Urjaa Diwas
16-Sep-2022	01 Day	Guest Lecture on International Ozone Day
28-Sep-2022	01 Day	National Article Writing Competition on Green Consumer Day
28-Sep-2022	01 Day	CELPED Newsletter
3-4 October	02 Days	Cleanness and Awareness Drive in Slum areas
24-Oct-2022	01 Day	Student Newsletter
13-15 October	03 Days	National Environmental Law Moot Court Competition, 2022
11-13 November	03 Days	Switchers/ National Seminar
25-Nov-2022	01 day	Plantation/ Adoption Drive
24-08-2022	01 day	National Quiz, On Constitution Law
15-09-2022	02 Days	Intra conventional Debate
11-10-2022	01 Days	Guest Lecture
21-10-2022	01 Day	Article Writing Competition
26-11-2022	11 AM to 4 PM	ConQuaestio 2022 (on the occasion of Nation Law Day)
28-09-22 --29-09- 2022	02 Days	National Workshop