

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Date:

Department of Biotechnology and Bioinformatics

A meeting of Board of Studies (BoS) of the **Department of Biotechnology and Bioinformatics** was held as per the following schedule :

Meeting Name:	Board of Studies –Department of Biotechnology and Bioinformatics		
Date of Meeting:	17.06.2024	Time:9:15-10 AM	
Chairman:	Prof. (Dr.) Sudhir Kumar	Location: Board and Room Online	

1. Meeting Objective: BoS meeting of Deptt of Biotechnology and Bioinformatics

2(a). Meeting Attendees: The following members were present

Prof. Sudhir Kumar, HOD, Department of Biotechnology and Bioinformatics	Chairman
Dr. Anil Kant, Associate Prof, Department of Biotechnology and Bioinformatics	Member Secretary/Coordinator
Prof. T.C. Bhalla Ex-Professor Emeritus Department of Biotechnology HPU Shimla	External Member (Academic)
Prof. G.P.S. Raghava, Prof and Head, Deptt of Computational Biology, IIIT-Dehli	External Member (Academic)
Prof. Sunil Kumar Khah, Incharge IQAC, JUIT	Member
Dr Tiratha Raj Singh, Professor, Department of Biotechnology and Bioinformatics	Member
Dr Jata Shankar, Professor, Department of Biotechnology and Bioinformatics	Member
Dr Rahul Shrivastava, Associate Prof, Department of Biotechnology and Bioinformatics	Member
Dr Udaybanu M, Associate Prof, Department of Biotechnology and Bioinformatics	Member
Dr Poonam Sharma, Associate Prof, Department of Biotechnology and Bioinformatics	Member
Dr Jitendraa Vashistt, Associate Prof, Department of Biotechnology and Bioinformatics	Member
Dr Hemant Sood, Associate Prof, Department of Biotechnology and Bioinformatics	Member

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Dr Saurabh Bansal, Associate Prof, Department of Biotechnology and Bioinformatics	Member
Dr Gopal Bisht, Associate Prof, Department of Biotechnology and Bioinformatics	Member
Dr V. Garlapati Vijay Kumar, Associate Prof, Department of Biotechnology and Bioinformatics	Member
Dr Ashok Kumar Nadda, Assistant Prof., Department of Biotechnology and Bioinformatics	Member
Mr. Aditya Sahni, JUIT Alumni, Founder of ELEM, India (Industry Expert)	External Member (JUIT Alumni)
HOD, Department of Electronics & Communication Engineering	Member
HOD, Department of Physics and Material Science	Member
HOD, Department of Civil Engineering	Member
2 (b). Leave of Absence: The following members were granted leave of absence by the Chairman, BOS	
HOD, Department of Computer Science & Engineering	Member
HOD, Department of Humanities and Social Sciences	Member
HOD, Department of Mathematics	Member
Dr. Shruti Jain	Member

Dr Anil Kant offered a welcome note to the members, Prof. Sudhir Kumar addressed the house and welcomed all the members of BoS. Dr. Anil Kant invited Dr Udayabanu, B.Tech. Program coordinator, Dr Rahul Shrivstava M.Sc. Microbiology Program coordinator to present the agenda pertaining to their respective program. Dr Anil Kant presented agenda details regarding the M.Sc Biotechnology program. Dr. Udayabanu M. presented details regarding B.Tech. Biotechnology & B.Tech. Bioinformatics course structure.

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3. Action Items / Instructions: Following decisions were taken/approved by the members of BoS.

Agenda Item 3(a) To consider and approve modification and restructuring of the course curriculum of B.Tech Biotechnology.

Existing Courses in B.Tech Biotechnology Semester I

SEMESTER - 1								
S. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Humanities & Social Sciences	21B11HS111	English	2	0	0	2	2
		21B17HS171	English Lab	0	0	2	1	2
2	Basic Science		Basic Mathematics I (3-1-0) - 4 Credits/ Fundamental Biology & Fundamental Biology Lab				4	4 or 5
3	Basic Sciences	18B11PH112	Basic Engineering Physics-I	3	1	0	4	4
4	Engg Science	19B11CI111	Programming for Problem Solving-2	2	0	0	2	2
5	Engg Science	18B17GE173	Engineering Graphics	0	0	3	1.5	3
6	Basic Sciences	18B17PH172	Basic Engineering Physics Lab-I	0	0	2	1	2
7	Engg Science	19B17CI171	Programming for Problem Solving Lab-2	0	0	4	2	4
			TOTAL				17.5	23 or 24

Existing Courses in B.Tech Biotechnology Semester I

Modified & Approved by BoS

B.Tech Biotechnology Semester I

S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			English	2	0	0		2	2
2	Humanities & Social Sciences			English Lab	0	0	2		1	2
3	Basic Sciences	New		Mathematics for Life Sciences I OR	3	1	0		4	4
4	Basic Sciences			Fundamental Biology	3	0	0		3	3
5	Basic Sciences			Fundamental Biology Lab	0	0	2		1	2
6	Basic Sciences			Basic Engineering Physics	3	1	0		4	4
7	Engg Science	Revised		Problem Solving and Programming	3	0	0		3	3
8	Engg Science			Engineering Graphics	0	0	3		1.5	3
9	Basic Sciences			Basic Engineering Physics Lab	0	0	2		1	2
10	Engg Science	Revised		Problem Solving and Programming Lab	0	0	2		1	2
11	Project			Project	0	0	2	2	1	2
12	Mandatory Course			Mandatory Induction Program (including UHV-1)						2 Weeks
				TOTAL					18.5	24/25

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Existing Courses in B.Tech Biotechnology Semester II

S. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Humanities & Social Sciences	23B11HS211	Universal Human Values II: Understanding Harmony	2	1	0	3	3
2	Humanities & Social Sciences	23B11HS212	Professional Communication Practice	0	0	2	Audit	2
3	Basic Science	18B11MA212	Basic Mathematics II	3	1	0	4	4
4	Basic Sciences	18B11PH212	Bioinstrumentation Techniques	3	1	0	4	4
5	Engg Science	18B11EC212	Basic Electrical Sciences	3	1	0	4	4
6	Engg Science	18B17EC272	Basic Electrical Sciences lab	0	0	2	1	2
7	Engg Science	18B11CI211	Data Structure & Algorithms	3	1	0	4	4
8	Engg Science	18B17CI271	Data Structure & Algorithms Lab	0	0	4	2	4
9	Engg Science	18BI7GE171	Workshop Practices	0	0	3	1.5	3
			TOTAL				23.5	30

Modified & Approved by BoS

B.Tech Biotechnology Semester II

SEMESTER - II

S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			UHV II: Understanding Harmony	2	1	0		3	3
2	Humanities & Social Sciences			Professional Communication Practice (AUDIT)	0	1	0		0	1
3	Basic Sciences	New		Mathematics for Life Sciences II	3	1	0		4	4
4	Basic Sciences			Bioinstrumentation Techniques	3	1	0		4	4
5	Engg Science			Basic Electrical Sciences	3	1	0		4	4
6	Engg Science			Basic Electrical Sciences lab	0	0	2		1	2
7	Engg Science			Data Structure & Algorithms	3	0	0		3	3
8	Engg Science			Data Structure & Algorithms Lab	0	0	4		2	4
9	Engg Science			Workshop Practices	0	0	3		1.5	3
10	Project			Project	0	0	2	2	1	2
				TOTAL					23.5	30

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Existing Courses in B.Tech Biotechnology Semester III

SEMESTER-III

S. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Humanities & Social Sciences	23B11HS311	Life Skills and Interpersonal Dynamics	2	1	0	3	3
2	Basic Sciences	18B11MA312	Probability & Statistical Techniques	3	1	0	4	4
3	Professional Core		Genetics	3	1	0	4	4
4	Professional Core	18B11BT312	Biochemistry	3	0	0	3	3
5	Engg Science	18B11BT313	Thermodynamics & Chemical Processes	3	1	0	4	4
6	Basic Sciences	18B11BT314	General Chemistry	3	0	0	3	3
7	Professional Core	18B17BT371	Genetics Lab.	0	0	2	1	2
8	Professional Core	18B17BT372	Biochemistry Lab	0	0	2	1	2
9	Engg Science	18B17BT373	Thermodynamics & Chemical Processes lab	0	0	2	1	2
10	Basic Sciences	18B17BT374	General Chemistry Lab	0	0	2	1	2
			TOTAL				25	29

Modified & Approved by BoS

B.Tech Biotechnology Semester III

SEMESTER -III

S. No	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			Life Skills and Interpersonal Dynamics	2	1	0		3	3
2	Basic Sciences	New		Probability & Statistical Methods	2	0	0		2	2
3	Basic Sciences	New		Probability & Statistical Methods Lab	0	0	2		1	2
4	Professional Core Course			Genetics	3	0	0		3	3
5	Professional Core Course	Revised		Biochemistry	3	0	0		3	3
6	Engg Science	Revised		Thermodynamics & Chemical Processes	3	0	0		3	3
7	Professional Core Course	New		Chemistry for Life Sciences	3	0	0		3	3
8	Professional Core Course			Genetics Lab.	0	0	2		1	2
9	Professional Core Course	Revised		Biochemistry Lab	0	0	2		1	2
10	Engg Science	Revised		Thermodynamics & Chemical Processes lab	0	0	2		1	2
11	Professional Core Course	New		Chemistry for Life Sciences Lab	0	0	2		1	2
12	Project			Project	0	0	2	2	1	2
				TOTAL					23	29

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Existing Courses in B.Tech Biotechnology Semester IV

SEMESTER- IV

Sr. No	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Humanities & Social Sciences	18B11HS411	Finance and Accounts	3	0	0	3	3
2	Professional Core	18B11BT411	Cell Biology and Culture Technologies	3	1	0	4	4
3	Professional Core	18B11BT412	Molecular Biology	3	0	0	3	3
4	Professional Core	18B11BT413	Introduction to Bioinformatics	3	1	0	4	4
5	Professional Core	18B11BT414	Microbiology	3	1	0	4	4
6	Professional Core	18B17BT471	Cell Biology and Culture Technologies lab	0	0	2	1	2
7	Professional Core	18B17BT472	Molecular Biology Lab	0	0	2	1	2
8	Professional Core	18B17BT473	Introduction to Bioinformatics lab	0	0	2	1	2
9	Professional Core	18B17BT474	Microbiology Lab	0	0	2	1	2
10	Mandatory Course	18B11GE411	Environmental Studies	2	0	0	2	2
			TOTAL				24	28

Modified & Approved by BoS

B.Tech Biotechnology Semester IV

SEMESTER - IV

S. No	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			Finance and Accounts	3	0	0		3	3
2	Professional Core Course	Revised		Cell Biology and Culture Technologies	3	0	0		3	3
3	Professional Core Course	Revised		Molecular Biology	3	0	0		3	3
4	Professional Core Course			Introduction to Bioinformatics	3	1	0		4	4
5	Professional Core Course	Revised		Microbiology	3	0	0		3	3
6	Professional Core Course	Revised		Cell Biology and Culture Technologies lab	0	0	2		1	2
7	Professional Core Course	Revised		Molecular Biology Lab	0	0	2		1	2
8	Professional Core Course			Introduction to Bioinformatics lab	0	0	2		1	2
9	Professional Core Course			Microbiology Lab	0	0	2		1	2
10	Engg Science			Environmental Studies	2	0	0		2	2
11	Project			Project	0	0	2	2	1	2
				TOTAL					23	28

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

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Existing Courses in B.Tech Biotechnology Semester V

SEMESTER-V								
S. Nno	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Humanities & Social Sciences	18B11HS511	Project Management and Entrepreneurship	3	0	0	3	3
2	Professional Core	18B11BT511	Bioprocess Engineering	3	1	0	4	4
3	Professional Core	18B11BT512	Genetic Engineering	3	1	0	4	4
4	Professional Core	18B11BT513	Immunology	3	1	0	4	4
5	Professional Core	18B17BT571	Bioprocess Engineering Lab	0	0	2	1	2
6	Professional Core	18B17BT572	Genetic Engineering Lab	0	0	2	1	2
7	Professional Core	18B17BT573	Immunology Lab	0	0	2	1	2
8	Professional Elective		Departmental Elective-I	3	0	0	3	3
9	Project	18B19BT591	Minor Project Part-I	0	0	2	1	2
			TOTAL				22	26

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B.Tech Biotechnology Semester V

SEMESTER - V										
S. No	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			Project Management and Entrepreneurship	3	0	0		3	3
2	Professional Core Course	Revised		Bioprocess Engineering	3	1	0		4	4
3	Professional Core Course	Revised		Genetic Engineering	3	1	0		4	4
4	Professional Core Course	Revised		Immunology	3	1	0		4	4
5	Professional Core Course	Revised		Bioprocess Engineering Lab	0	0	2		1	2
6	Professional Core Course			Genetic Engineering Lab	0	0	2		1	2
7	Professional Core Course	Revised		Immunology Lab	0	0	2		1	2
8	professional Elective			PE-I	3	0	0		3	3
10	Project			Project	0	0	4	2	2	4
				TOTAL					23	28

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Existing Courses in B.Tech Biotechnology Semester VI

SEMESTER-VI								
S. No	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core	18B11BT611	Downstream Processing	3	1	0	4	4
2	Professional Core	18B11BT612	Food and Agricultural Biotechnology	3	0	0	3	3
3	Professional Core	18B17BT671	Downstream Processing Lab.	0	0	2	1	2
4	Professional Core	18B17BT672	Food and Agricultural Biotechnology Lab	0	0	2	1	2
5	Professional Elective		Departmental Elective- II	3	0	0	3	3
6	Professional Elective		Departmental Elective-III	3	0	0	3	3
7	Open Elective		Open Elective-I (HSS)	3	0	0	3	3
8	Open Elective		Open Elective-II	3	0	0	3	3
9	Project	18B19BT691	Minor Project Part-II	0	0	4	2	4
10	Mandatory Course		Industrial Training				Audit	
			TOTAL				23	27

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B.Tech Biotechnology Semester VI

SEMESTER - VI

S. No	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Professional Core Course	Revised		Downstream Processing	3	0	0		3	3
2	Professional Core Course	New		Food Technology	3	0	0		3	3
3	Professional Core Course	Revised		Downstream Processing Lab.	0	0	2		1	2
4	Professional Core Course	New		Food Technology Lab	0	0	2		1	2
5	professional Elective			PE-II	3	0	0		3	3
6	professional Elective			PE-III	3	0	0		3	3
7	Open Elective			OE-I (HSS)	3	0	0		3	3
8	Open Elective			OE-II	3	0	0		3	3
9	Project			Project	0	0	4	2	2	4
10	Mandatory Course			Soft Skills for Professionals (Audit)	0	1	0		0	1
11	Mandatory Course			Industrial Training					Audit	
				TOTAL					22	27

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Existing Courses in B.Tech Biotechnology Semester VII

SEMESTER-VII

Sr. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Elective		Departmental Elective-I V	3	0	0	3	3
2	Open Elective		Open Elective - III	3	0	0	3	3
3	Open Elective		Open Elective - IV	3	0	0	3	3
4	Project	18B19BT791	Major Project Part I	0	0	10	5	10
5	HSS		Indian Constitution	1	0	0	Audit	1
			TOTAL				14	20

Approved by BoS

B.Tech Biotechnology Semester VII

SEMESTER - VII

S. No	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	professional Elective			PE-IV	3	0	0		3	3
2	professional Elective			PE-V	3	0	0		3	3
3	Open Elective			OE-III	3	0	0		3	3
4	Open Elective			OE-IV	3	0	0		3	3
5	Project			Project	0	0	8		4	8
6	Mandatory Course			Indian Constitution	1	0	0		Audit	1
				TOTAL					16	21

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Existing Courses in B.Tech Biotechnology Semester VIII

SEMESTER-VIII

Sr.No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Elective		Departmental Elective- V	3	0	0	3	3
2	Professional Elective		Departmental Elective- VI	3	0	0	3	3
3	Open Elective		Open Elective-V	3	0	0	3	3
4	Project	18B19BT891	Major Project Part II	0	0	14	7	14
			TOTAL				16	23

Modified & Approved by BoS

B.Tech Biotechnology Semester VIII

SEMESTER - VIII

S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Professional Elective			PE-VI	3	0	0		3	3
2	Open Elective			OE-V	3	0	0		3	3
3	Open Elective			OE-VI	3	0	0		3	3
4	Project			Project	0	0	8		4	8
				TOTAL					13	17
				OR						
				Industrial Internship					13	

Item 1a.

Two New Electives were proposed and approved by the BoS

1. Omics Technologies & Data Analysis (3-0-0)
2. Biopharmaceutical Technology (3-0-0)

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Agenda Item 2. To consider and approve modification and restructuring of the course curriculum of B.Tech Bioinformatics.

Existing Courses in B.Tech Bioinformatics Semester I

SEMESTER - I								
S. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Humanities & Social Sciences	21B11HS111	English	2	0	0	2	2
		21B17HS171	English Lab	0	0	2	1	2
2	Basic Science		Basic Mathematics I (3-1-0) - 4 Credits/ Fundamental Biology & Fundamental Biology Lab				4	4 or 5
3	Basic Sciences	18B11PH112	Basic Engineering Physics-I	3	1	0	4	4
4	Engg Science	19B11CI111	Programming for Problem Solving-2	2	0	0	2	2
5	Engg Science	18B17GE173	Engineering Graphics	0	0	3	1.5	3
6	Basic Sciences	18B17PH172	Basic Engineering Physics Lab-I	0	0	2	1	2
7	Engg Science	19B17CI171	Programming for Problem Solving Lab-2	0	0	4	2	4
			TOTAL				17.5	23 or 24

Existing Courses in B.Tech Bioinformatics Semester I

Modified & Approved by BoS

B.Tech Bioinformatics Semester I

S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			English	2	0	0		2	2
2	Humanities & Social Sciences			English Lab	0	0	2		1	2
3	Basic Sciences	New		Mathematics for Life Sciences I OR	3	1	0		4	4
4	Basic Sciences			Fundamental Biology	3	0	0		3	3
5	Basic Sciences			Fundamental Biology Lab	0	0	2		1	2
6	Basic Sciences			Basic Engineering Physics	3	1	0		4	4
7	Engg Science	Revised		Problem Solving and Programming	3	0	0		3	3
8	Engg Science			Engineering Graphics	0	0	3		1.5	3
9	Basic Sciences			Basic Engineering Physics Lab	0	0	2		1	2
10	Engg Science	Revised		Problem Solving and Programming Lab	0	0	2		1	2
11	Project			Project	0	0	2	2	1	2
12	Mandatory Course			Mandatory Induction Program (including UHV-1)						2 Weeks
				TOTAL					18.5	24/25

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Existing Semester II

S. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Humanities & Social Sciences	23B11HS211	Universal Human Values II: Understanding Harmony	2	1	0	3	3
2	Humanities & Social Sciences	23B11HS212	Professional Communication Practice	0	0	2	Audit	2
3	Basic Science	18B11MA212	Basic Mathematics II	3	1	0	4	4
4	Basic Sciences	18B11PH212	Bioinstrumentation Techniques	3	1	0	4	4
5	Engg Science	18B11EC212	Basic Electrical Sciences	3	1	0	4	4
6	Engg Science	18B17EC272	Basic Electrical Sciences lab	0	0	2	1	2
7	Engg Science	18B11CI211	Data Structure & Algorithms	3	1	0	4	4
8	Engg Science	18B17CI271	Data Structure & Algorithms Lab	0	0	4	2	4
9	Engg Science	18BI7GE171	Workshop Practices	0	0	3	1.5	3
			TOTAL				23.5	30

Approved & Modified by Bos Semester II

SEMESTER - II

S. No	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			UHV II: Understanding Harmony	2	1	0		3	3
2	Humanities & Social Sciences			Professional Communication Practice (AUDIT)	0	1	0		0	1
3	Basic Sciences	New		Mathematics for Life Sciences II	3	1	0		4	4
4	Basic Sciences			Bioinstrumentation Techniques	3	1	0		4	4
5	Engg Science			Basic Electrical Sciences	3	1	0		4	4
6	Engg Science			Basic Electrical Sciences lab	0	0	2		1	2
7	Engg Science			Data Structure & Algorithms	3	0	0		3	3
8	Engg Science			Data Structure & Algorithms Lab	0	0	4		2	4
9	Engg Science			Workshop Practices	0	0	3		1.5	3
10	Project			Project	0	0	2	2	1	2
				TOTAL					23.5	30

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Existing Semester III

SEMESTER-III

S. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Humanities & Social Sciences	23B11HS311	Life Skills and Interpersonal Dynamics	2	1	0	3	3
2	Basic Sciences	18B11BI311	Cell and Molecular Biology	3	0	0	3	3
3	Engg Science	20B11BI311	Bioinformatics Data Management	3	1	0	4	4
4	Professional Core	18B11BI312	Microbiology & Immune System	3	1	0	4	4
5	Professional Core	18B11BI313	Biological Computation	3	1	0	4	4
6	Engg Science	20B17BI371	Bioinformatics Data Management Lab	0	0	2	1	2
7	Basic Sciences	18B17BI371	Cell and Molecular Biology Lab	0	0	2	1	2
8	Professional Core	18B17BI372	Microbiology & Immune System Lab	0	0	2	1	2
9	Professional Core	18B17BI373	Biological Computation Lab	0	0	2	1	2
10	Professional Core	18B17BI374	Linux Lab	0	0	2	1	2
			TOTAL				23	28

Modified & Approved by Bos Semester III

SEMESTER - 3

S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			Life Skills and Interpersonal Dynamics	2	1	0		3	3
2	Basic Sciences	New		Probability & Statistical Methods	2	0	0		2	2
3	Basic Sciences	New		Probability & Statistical Methods Lab	0	0	2		1	2
4	Professional Core Course	New		Structural Bioinformatics	3	0	0		3	3
5	Engg Science			Object Oriented Systems and Programming	3	0	0		3	3
6	Professional Core Course			Microbiology & Immune System	3	0	0		3	3
7	Professional Core Course			Biological Computation	3	0	0		3	3
8	Engg Science			Object Oriented Systems and Programming Lab	0	0	2		1	2
9	Professional Core Course	New		Structural Bioinformatics Lab	0	0	2		1	2
10	Professional Core Course			Biological Computation Lab	0	0	2		1	2
11	Professional Core Course			Linux Lab	0	0	2		1	2
12	Project			Project			2	2	1	2
				TOTAL					23	29

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Existing Semester IV

SEMESTER-IV

Sr.No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	HSS	18B11HS411	Finance and Accounts	3	0	0	3	3
2	Basic Sciences	18B11MA411	Bio-Statistics	3	0	0	3	3
3	Professional Core	18B11BI412	Genetic Engineering and Genomics	3	0	0	3	3
4	Engg Science	18B11CI415	Object Oriented Programming	3	1	0	4	4
5	Professional Core	18B11BI413	Structural Biology	3	0	0	3	3
6	Professional Core	18B11BI414	Programming Languages for Bioinformatics	3	0	0	3	3
7	Engg Science	18B11CI474	Object Oriented Programming Lab	0	0	2	1	2
8	Basic Sciences	18B11MA412	Bio-Statistics Lab	0	0	2	1	2
9	Professional Core	18B17BI472	Genetic Engineering and Genomics Lab	0	0	2	1	2
10	Professional Core	18B17BI473	Structural Biology Lab	0	0	2	1	2
11	Professional Core	18B17BI474	Programming Languages for Bioinformatics Lab	0	0	2	1	2
12	Mandatory Course	23B11GE411	Environmental Studies	2	0	0	Audit	2
			TOTAL				26	31

Modified & Approved by Bos Semester IV

SEMESTER - IV

S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			Finance and Accounts	3	0	0		3	3
2	Professional Core Course	New		Python for Bioinformatics	3	0	0		3	3
3	Professional Core Course	New		Web development for Bioinformatics	3	0	0		3	3
4	Professional Core Course			Design and Analysis of Algorithms	3	0	0		3	3
5	Professional Core Course			Cell and Molecular Biology	3	0	0		3	3
6	Professional Core Course	New		Web Development for Bioinformatics Lab	0	0	2		1	2
7	Professional Core Course			Design and Analysis of Algorithms Lab	0	0	4		2	4
8	Professional Core Course	New		Python for Bioinformatics Lab	0	0	2		1	2
9	Professional Core Course			Cell and Molecular Biology Lab	0	0	2		1	2
10	Engg Science			Environmental Studies	2	0	0		2	2
11	Project			Project			2	2	1	2
				TOTAL					23	29

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Existing Semester V

SEMESTER-5

Sr. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Humanities & Social Sciences	18B11HS511	Project Management and Entrepreneurship	3	0	0	3	3
2	Professional Core	18B11BI511	Design and Analysis of Algorithms	3	0	0	3	3
3	Professional Core	18B11BT511	Bioprocess Engineering	3	1	0	4	4
4	Professional Core	18B11BI512	Scripting Languages for Bioinformatics	3	0	0	3	3
5	Professional Core	18B17BI571	Design and Analysis of Algorithms Lab	0	0	2	1	2
6	Professional Core	18B17BT571	Bioprocess Engineering Lab	0	0	2	1	2
7	Professional Core	18B17BI572	Scripting Languages for Bioinformatics Lab	0	0	2	1	2
8	Professional Core	18B17BI573	Structural Bioinformatics Lab	0	0	2	1	2
9	Professional Elective		Departmental Elective-I	3	0	0	3	3
10	Open Elective		Open Elective-I	3	0	0	3	3
11	Project	18B19BI591	Minor Project Part-I	0	0	2	1	2
			TOTAL				24	29

Modified & Approved by Bos Semester V

SEMESTER - V

S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Humanities & Social Sciences			Project Management and Entrepreneurship	3	0	0		3	3
2	Professional Core Course			Genetic Engineering and Genomics	3	0	0		4	4
3	Professional Core Course	Revised		Bioprocess Engineering	3	1	0		4	4
4	Professional Core Course			Bioinformatics Data Management	3	0	0		3	3
5	Professional Core Course			Genetic Engineering and Genomics Lab	0	0	2		1	2
6	Professional Core Course	Revised		Bioprocess Engineering Lab	0	0	2		1	2
7	Professional Core Course			Bioinformatics Data Management Lab	0	0	2		1	2
8	Professional Core Course			R Language Lab	0	0	2		1	2
9	professional Elective			PE-I	3	0	0		3	3
11	Project			Project	0	0	4	2	2	4
				TOTAL					23	29

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Existing Semester VI

SEMESTER-VI

S. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core	18B11BI611	Machine Learning for Bioinformatics	3	0	0	3	3
2	Professional Core	18B11BI612	Computer Aided Drug Design	3	0	0	3	3
3	Professional Core	18B17BI671	Machine Learning for Bioinformatics lab	0	0	2	1	2
4	Professional Core	18B17BI672	Computer Aided Drug Design Lab	0	0	2	1	2
5	Professional Elective	18B17BI673	Advanced Algorithms for Bioinformatics Lab	0	0	2	1	2
6	Professional Elective	18B17BI674	R Language Lab	0	0	2	1	2
7	Professional Elective		Departmental Elective-II	3	0	0	3	3
8	Professional Elective		Departmental Elective-III	3	0	0	3	3
9	Open Elective		Open Elective-II	3	0	0	3	3
10	Project	18B19BI691	Minor Project Part-II	0	0	4	2	4
11	Mandatory Course		Industrial Training				Audit	
			TOTAL				21	27

Modified & Approved by Bos Semester VI

SEMESTER - VI

S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Professional Core Course	Revised		Machine Learning for Bioinformatics	2	0	0		2	2
2	Professional Core Course	Revised		Computer Aided Drug Design	2	0	0		2	2
3	Professional Core Course	Revised		Machine Learning for Bioinformatics lab	0	0	2		1	2
4	Professional Core Course	Revised		Computer Aided Drug Design Lab	0	0	2		1	2
5	Professional Core Course	Revised		Advanced Algorithms for Bioinformatics Lab	0	0	2		1	2
6	Professional Core Course	New		NGS Data Analysis Lab	0	0	2		1	2
7	professional Elective			PE-II	3	0	0		3	3
8	professional Elective			PE-III	3	0	0		3	3
9	Open Elective			OE-I (HSS)	3	0	0		3	3
10	Open Elective			OE-II	3	0	0		3	3
11	Project			Project	0	0	4	2	2	4
12	Mandatory Course			Soft Skills for Professionals (Audit)	0	1	0		0	1
13	Mandatory Course			Industrial Training					Audit	
				TOTAL					22	29

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Existing SemesterVII

SEMESTER-VII

S. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Elective		Departmental Elective-I V	3	0	0	3	3
2	Open Elective		Open Elective - III	3	0	0	3	3
3	Open Elective		Open Elective - IV	3	0	0	3	3
4	Project	18B19BI791	Major Project Part I	0	0	10	5	10
5	HSS		Indian Constitution	1	0	0	Audit	1
			TOTAL				14	20

Modified & Approved by Bos SemesteVII

SEMESTER -VII

S. No	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Professional Elective			PE-IV	3	0	0		3	3
2	Professional Elective			PE-V	3	0	0		3	3
3	Open Elective			OE-III	3	0	0		3	3
4	Open Elective			OE-IV	3	0	0		3	3
5	Project			Project	0	0	8		4	8
6	Mandatory Course			Indian Constitution	1	0	0		Audit	1
				TOTAL					16	21

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Existing Semester VIII

SEMESTER-VIII

S. No.	Course Category	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Elective		Departmental Elective- V	3	0	0	3	3
2	Professional Elective		Departmental Elective- VI	3	0	0	3	3
3	Open Elective		Open Elective-V	3	0	0	3	3
4	Project	18B19BI891	Major Project Part II	0	0	14	7	14
			TOTAL				16	23

Modified & Approved by Bos SemesterVIII

SEMESTER - VIII

S. No	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
					L	T	P	S		
1	Professional Elective			PE-VI	3	0	0		3	3
2	Open Elective			OE-V	3	0	0		3	3
3	Open Elective			OE-VI	3	0	0		3	3
4	Project			Project	0	0	8		4	8
				TOTAL					13	17
				OR						
				Industrial Internship					13	

Agenda Item 3. To consider and approve modification in M.Sc. Biotechnology Course curriculum.

- Dr Anil Kant presented the proposed changes in M.Sc. Biotechnology Course curriculum, for introduction of new modified course Molecular Diagnostics and Forensic Biology 3-0-0 in second semester and dropping of Course Seminar-I, 0-0-1
- Dr Anil Kant explained the rationale of including some topics of Forensic Biology and remaining of course as “Molecular Diagnostics and Forensic Biology”. He also presented the detailed syllabus of the modified course.
- Dr TC Bhalla suggested adding electives related to Forensic Sciences in future for some interested students.
- Dr Saurabh suggested that name should be “Molecular Diagnostics and Forensic Sciences”. It was clarified by Dr Anil Kant that only few topics of Forensic Biology are being added in the existing course rather than including the topics of forensic science like computational forensics, documentation, application of Physics and Chemistry. So it will be more appropriate to name it “Molecular Diagnostics and Forensic Biology”
- Dr. G.P.S.Raghava enquired about the need of adding content of Forensic Biology. Prof. Sudhir explained that jobs related to Forensic Sciences are on demand and these skills will help in students’ progression.
- Dr. Udayabanu proposed two electives Omics Technologies & Data Analysis and Biopharmaceutical Technology in B.Tech Biotechnology VIII Semester
- Prof Sunil Khah suggested changing the name of Seminar-II in 3rd semester now to Seminar only as Seminar -I is dropped now, which was accepted by all the members.
- All the members including Prof TC Bhalla, Dr. GPS Raghav and Mr Aditya Sahni supported the proposal as well as content of the course and the proposal was approved as presented.

Existing Courses in M.Sc Biotechnology II semester**SEMESTER -II**

S.No.	New Code	Subject	L-T-P	Credits
1	20MS1BT211	Genetic Engineering	3-0-0	3
2	20MS1BT212	Immunology	3-0-0	3
3	20MS1BT213	Bioinformatics	2-0-0	2
4	20MS1BT214	Genomics and Proteomics	2-0-0	2
5	20MS1BT215	Molecular Diagnostics	2-0-0	2
6	20MS1BT216	Research Methodology and Scientific Communication Skills	2-0-0	2
7		Elective I	2-0-0	2
8	20MS9BT211	Seminar-I	-	1
9	20MS7BT271	Molecular Biology and Genetic Engineering Lab	0-0-8	4
10	20MS7BT272	Immunology Lab	0-0-6	3
		Total	30	24

Modified & Approved by BoS**M.Sc Biotechnology II semester****SEMESTER -II**

S.No.	New Code	Subject	L-T-P	Credits
1	20MS1BT211	Genetic Engineering	3-0-0	3
2	20MS1BT212	Immunology	3-0-0	3
3	20MS1BT213	Bioinformatics	2-0-0	2
4	20MS1BT214	Genomics and Proteomics	2-0-0	2
5	XXXXXXXX	Molecular Diagnostics and Forensic Biology	3-0-0	3
6	20MS1BT216	Research Methodology and Scientific Communication Skills	2-0-0	2
7		Elective I	2-0-0	2
8	20MS7BT271	Molecular Biology and Genetic Engineering Lab	0-0-8	4
9	20MS7BT272	Immunology Lab	0-0-6	3
		Total	30	24

**Existing Courses in M.Sc Biotechnology III semester
SEMESTER -III**

S.No.	Code	Subject	L-T-P	Credits
1	20MS1BT311	Bioprocess Engineering and Technology	3-0-0	3
2	20MS1BT312	Emerging Technologies	2-0-0	2
3	20MS9BT313	Review of Classical papers & Project Proposal Presentation	2-0-0	2
4	20MS1BT314	Bioentrepreneurship	2-0-0	2
5	20MS1BT315	Intellectual Property Rights, Biosafety and Bioethics	2-0-0	2
6	22MS1BT311	Food Biotechnology	2-0-0	2
7	20MS9BT311	Seminar-II	-	1
8	20MS7BT371	Bioprocess Engineering and Technology Lab	0-0-8	4
9	20MS7BT372	Bioinformatics Lab	0-0-4	2
10	20MS9BT391	Dissertation	-	4
		Total	21	24

**Modified & Approved by BoS
M.Sc Biotechnology III semester
SEMESTER -III**

S.No.	Code	Subject	L-T-P	Credits
1	20MS1BT311	Bioprocess Engineering and Technology	3-0-0	3
2	20MS1BT312	Emerging Technologies	2-0-0	2
3	20MS9BT313	Review of Classical papers & Project Proposal Presentation	2-0-0	2
4	20MS1BT314	Bioentrepreneurship	2-0-0	2
5	20MS1BT315	Intellectual Property Rights, Biosafety and Bioethics	2-0-0	2
6	22MS1BT311	Food Biotechnology	2-0-0	2
7	20MS9BT311	Seminar	0-0-2	1
8	20MS7BT371	Bioprocess Engineering and Technology Lab	0-0-8	4
9	20MS7BT372	Bioinformatics Lab	0-0-4	2
10	20MS9BT391	Dissertation	-	4
		Total	21	24

Agenda Item 4. To consider and approve modification in M.Sc. Microbiology Course curriculum

- Dr. Rahul Shrivastava presented the proposed changes in M.Sc. Microbiology Course curriculum, for introduction of new course 'Molecular Diagnostics and Forensic Biology' in the Second Semester and dropping of the Course - (21MS1MB312) Diagnostic Microbiology and Vaccines being currently taught in the third semester..
- Dr. Rahul Shrivastava explained the rationale of including some topics of Forensic Biology to the Diagnostics Course, and removal of the Vaccine part which is already covered in the course - (18MS1BT211) Immunology and Immunotechnology.
- Dr. Shrivastava proposed that the new course 'Molecular Diagnostics and Forensic Biology' would be taught to M.Sc. Microbiology and M.Sc. Biotechnology students together in the Second semester of the program, the course (21MS1MB212) Microbial Genetics and Physiology is being shifted to the Third Semester of M.Sc. Microbiology Program to balance the number of credits.
- All the members including Prof TC Bhalla, Dr. GPS Raghav and Mr Aditya Sahni supported the proposal as well as content of the course and the proposal was approved as presented.

Existing Courses in M.Sc Microbiology - II SEMESTER

S.No.	New Code	Subject	L-T-P	Credits
1	18MS1BT211	Immunology and Immunotechnology	3-0-0	3
2	21MS1MB211	Enzymes and Bioprocess Technology	3-0-0	3
3	21MS1MB212	Microbial Genetics and Physiology	3-0-0	3
4	18MS1BT313	Recombinant DNA Technology	3-0-0	3
5	20MS1BT213	Bioinformatics	2-0-0	2
6	18MS7BT211	Immunology and Immunotechnology Lab	0-0-2	1
7	21MS7MB271	Enzymes and Bioprocess Technology Lab	0-0-2	1
8	18MS7BI214	Basic Bioinformatics Lab	0-0-2	1
9	18MS7BT373	Recombinant DNA Technology lab	0-0-4	2
10	18MS9BI211	Masters Research Review seminar	0-0-2	1
		Total	26	20

Existing Courses in M.Sc Microbiology - III SEMESTER

S.No.	Code	Subject	L-T-P	Credits
1	21MS1MB311	Environmental Microbiology	3-0-0	3
2	21MS1MB312	Diagnostic Microbiology and vaccines	3-0-0	3
3		Elective-I	3-0-0	3
4	21MS9MB311	Master's Dissertation & Thesis Part-I	0-0-16	8
		Total	25	17

Modified & Approved by BoS**Modified Courses in M.Sc Microbiology - II SEMESTER**

S.No.	New Code	Subject	L-T-P	Credits
1	18MS1BT211	Immunology and Immunotechnology	3-0-0	3
2	21MS1MB211	Enzymes and Bioprocess Technology	3-0-0	3
3	XXXXXXXX	Molecular Diagnostics and Forensic Biology	3-0-0	3
4	18MS1BT313	Recombinant DNA Technology	3-0-0	3
5	20MS1BT213	Bioinformatics	2-0-0	2
6	18MS7BT211	Immunology and Immunotechnology Lab	0-0-2	1
7	21MS7MB271	Enzymes and Bioprocess Technology Lab	0-0-2	1
8	18MS7BI214	Basic Bioinformatics Lab	0-0-2	1
9	18MS7BT373	Recombinant DNA Technology lab	0-0-4	2
10	18MS9BI211	Masters Research Review seminar	0-0-2	1
		Total	26	20

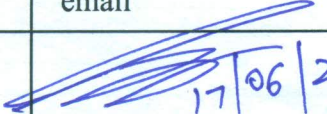
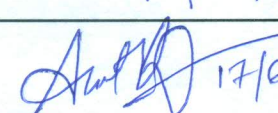
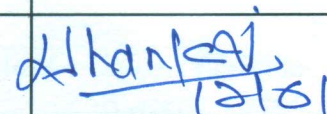
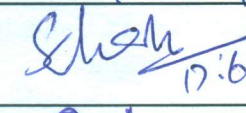
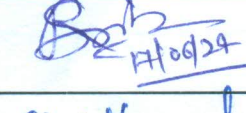
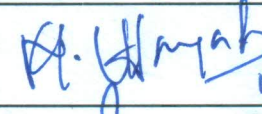
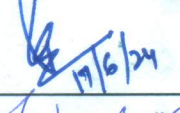
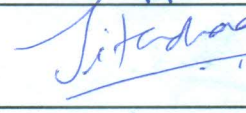
Modified Courses in M.Sc Microbiology - IIIrd SEMESTER

S.No.	Code	Subject	L-T-P	Credits
1	21MS1MB311	Environmental Microbiology	3-0-0	3
2	21MS1MB212	Microbial Genetics and Physiology	3-0-0	3
3		Elective-I	3-0-0	3
4	21MS9MB311	Master's Dissertation & Thesis Part-I	0-0-16	8
		Total	25	17

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

ATTENDANCE SHEET: BoS meeting of Deptt of Biotechnology and Bioinformatics held on 17.06.2024

Name and Designation		Signature or consent by email
Prof. Sudhir Kumar, HOD, Department of BT and BI	Chairman	 17/06/2024
Dr. Anil Kant, Associate Prof, Deptt of BT and BI	Member Secretary	 17/6/2024
Prof. T.C. Bhalla Ex, Professor Emeritus Department of Biotechnology HPU Shimla	External Member BoS	Consent via Email
Prof. G .P. S. Raghava, Prof and Head, Deptt of Computational Biology, IIIT-Dehli, (External Member BoS)	External Member BoS	Consent via Email
Dr Jata Shankar, Professor, Deptt of BT and BI	Member	 17/6/2024
Prof. Sunil Kunmar Khatri, Incharge IQAC, JUIT	Member	 17.6.2024
Dr Tiratha Raj Singh, Professor, Deptt of BT and BI	Member	 17/06/24
Dr Udaybanu M, Associate Prof, Deptt of BT and BI	Member	 17/6/24
Dr Poonam Sharma, Associate Prof, Deptt of BT and BI	Member	 17/6/24
Dr Jiendra Vashist, Associate Prof, Deptt of BT and BI	Member	 17/6/24
Mr. Aditya Sahni, JUIT Alumni, Founder of ELEM, India (JUIT alumni Member BoS)	External Member-3 (Alumni)	Consent via Email

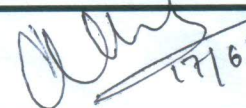

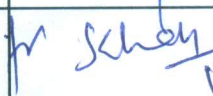
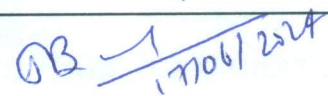
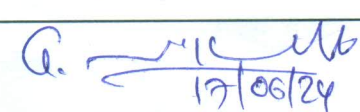
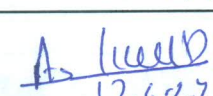
Dr. Rahul Shrivastava
Dept. of BT & BI

Member
Page 5 of 6

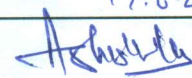
17/6/24


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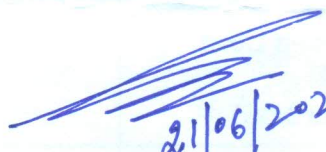
Dr Hemant, Associate Prof, Deptt of BT and BI	Member	 17/6/24
HOD, Deptt of ECE	Member	 17/6/24
HOD, Deptt of Physics and Material Science	Member	 17-6-2024
Dr Saurabh Bansal, Associate Prof, Deptt of BT and BI	Member	 17/06/2024
Dr V. Garlapati, Associate Prof, Deptt of BT and BI	Member	 17/06/24
Dr Ashok Nadda, Assistant Prof. Deptt of BT and BI	Member	 17.6.24

HOD, Deptt. of Civil Engineering Member


17.6.24


26/06/2024

Dr. Anil Kant Associate Professor
Member Secretary, BoS
Department of Biotechnology
JUIT Waknaghat


21/06/2024

Prof. Sudhir Kumar
Chairman BoS, HOD Department of
Biotechnology, JUIT Waknaghat

Department of Civil Engineering

A meeting of Board of Studies (BoS) of the **Department of Civil Engineering** was held as per the following schedule :

Meeting Name:	Board of Studies –Department of Civil Engineering		
Date of Meeting:	15-06-2023	Time:	3:00 PM
Chairman:	Dr. Ashish Kumar	Location:	online

1. Meeting Objective:

Board of Studies (BoS) meeting

2(a). Meeting Attendees: The following members were present

Prof. Ashish Kumar (Professor & HOD, CE)	Chairman
Dr. Amardeep (Assistant Professor, CE, JUIT)	Member Secretary / Coordinator
Prof. Ashok Kumar Gupta (Professor, CE, Dean (Academics & Research), JUIT)	Member-1
Dr. Hemant Sood (Associate Professor, BT &BI, JUIT)	Member-2
Dr. Saurabh Rawat (Associate Professor, CE, JUIT)	Member-3
Prof. Sunil Kumar Khah (Professor, PMS, JUIT)	Member-4 (IQAC Representative, JUIT)
Prof. B.R. Gurjar (Director, NITTTR Chandigarh)	External Member-1 (Academic)
Prof. Arun Goel (Professor & HOD, CE, NIT Kurukshetra)	External Member-2 (Academic)
Er. Rijul Bajaj (Asst. Manager, L&T, Gurugram)	External Member-3 (Industry/R&D)
Er. Kapil Dutt Sharma (Sr. Manager-Civil, HPPCL, HP)	External Member-4 (Alumni)
Prof. Rajiv Kumar (Professor & HOD, ECE, JUIT)	Co-opted member-1
Prof. Vivek Sehgal (Professor & HOD, CS&IT, JUIT)	Co-opted member-2
Prof. P B Barman (Professor & HOD, PMS, JUIT)	Co-opted member-3

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Prof. R K Bajaj (Professor & HOD, Mathematics, JUIT)	Co-opted member-4
Dr. Amit Srivastava (Associate Professor & HOD, HSS, JUIT)	Co-opted member-5
Dr. Anil Kant (Representative, HOD, BT&BI, JUIT)	Co-opted member-6
Dr. Sugandha Singh (Assistant Professor, CE, JUIT)	Special Invitee
2(b). Leave of Absence: The following members were granted leave of absence by the Chairman, BOS	
Dr. Ashish Dhamaniya (Associate Professor, CE, SVNIT, Surat)	Special Invitee

The Chairman welcomed all the members who were present for the meeting. The meeting was thereafter deliberated by Chairman on agenda items.

3. Action Items / Instructions: Following decisions were taken/approved by the members of BoS.

Item No. 1 : To approve the minutes of the last meeting of the BoS held on 21-05-2022.

No objection was received from any BoS member for the earlier BoS held on 21-05-2022 therefore all the items proposed were considered to be approved.

Item No. 2 : To consider and approve the minor revision in the course structure of BTech in Civil Engineering.

The following changes in the course structure of BTech in Civil Engineering were discussed and approved.

Proposed Change -1
Existing Structure
Semester 3rd

S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core Courses	18B11CE314	Water Supply Engineering	3	0	0	3	3
2	Professional Core Courses	18B17CE373	Concrete Technology Lab	3	0	0	3	3

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Approved by BoS
Semester -4th

S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core Courses		Water Supply Engineering	3	0	0	3	3
2	Professional Core Courses		Concrete Technology Lab	3	0	0	3	3

Proposed Change -2

Existing Structure
Semester 4th

S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core Courses	18B11CE412	Fluid Mechanics	3	0	0	3	3
2	Professional Core Courses	18B17CE472	Fluid Mechanics Lab	3	0	0	3	3

Approved by BoS
Semester - 3rd

S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core Courses		Fluid Mechanics	3	0	0	3	3
2	Professional Core Courses		Fluid Mechanics Lab	3	0	0	3	3

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Proposed Change -3

Existing Structure
Semester 4th

S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core Courses	18B11CE414	Water Resources Engineering	3	0	0	3	3

Approved by BoS
Semester - 6th

S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core Courses		Water Resources Engineering	3	0	0	3	3

Proposed Change -4

Existing Structure
Semester 6th

S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core Courses	18B11CE611	Concrete Technology	3	0	0	3	3

Approved by BoS
Semester - 4th

S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Core Courses		Concrete Technology	3	0	0	3	3

The revised course structure is attached as Annexure 1.

Item No. 3 : To consider and approve the minor revision in the course syllabus of Building Materials and Construction (18B11CE313), Fluid Mechanics (18B11CE412), Surveying

(18B11CE312), Water Resources Engineering (18B11CE414) and Design of Steel Structures (18 B11CE612).

The revised syllabus of the subjects was discussed in the meeting and the same was approved by the members after the discussion. The revised syllabus is attached as Annexure 2.

Item No. 4 : To consider and approve the addition of a new Professional elective (Geoinformatics; 3-0-0-3) for BTech Civil Engineering.

Prof. Ashish Kumar and Mr. Akash Bhardwaj suggested to add a Professional elective titled as "Geoinformatics" due to its importance for the students of Civil Engineering Department.

Prof. Arun Goel and Prof. Sunil Kumar Khah suggested to remove some topics/portions of the syllabus in order to cover the entire syllabus within a given time period. After discussion, the syllabus of the proposed course was revised as per the suggestion of the BOS committee members and the same was approved. The subject is added in the 5th semester as Elective1.

Proposed Change

Existing Structure
Semester 5th Elective 1 (Bucket)

S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Elective	18B1WCE531	Construction Technology and Management	3	0	0	3	3
2	Professional Elective	18B1WCE532	Solid Waste Management	3	0	0	3	3
3	Professional Elective	18B1WCE533	Air and Noise Pollution and Control	3	0	0	3	3

Approved by BoS
Semester - 5th Elective 1 (Bucket)

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S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Professional Elective	18B1WCE531	Construction Technology and Management	3	0	0	3	3
2	Professional Elective	18B1WCE532	Solid Waste Management	3	0	0	3	3
3	Professional Elective	18B1WCE533	Air and Noise Pollution and Control	3	0	0	3	3
4	Professional Elective	Newly proposed	Geoinformatics	3	0	0	3	3

The syllabus of the proposed course Geoinformatics is attached as Annexure 3.

The meeting ended with a vote of thanks.

ATTACH SIGNED ATTENDANCE SHEET

Member-1

Member-2

Member-3

Approved / Not Approved

Vice Chancellor

Ref.:JUIT/CSE/IT/2023-24/

Date: 29-06-2024

Department of Computer Science & Engineering and Information Technology

A meeting of Board of Studies (BoS) of the **Department of Computer Science & Engineering and Information Technology** was held as per the following schedule:

Meeting Name:	Board of Studies –Department of CSE and IT		
Date of Meeting:	29-06-2024	Time:	10:00 AM
Chairman:	Prof (Dr) Vivek Sehgal	Location:	Online/offline Board room

1. Meeting Objective:

Board of Studies (BoS) meeting

2. Meeting Attendees: The following members were present

Prof (Dr) Vivek Sehgal, Prof and Head of the Department of CSE/ IT	Chairman
Dr. Amol Vasudeva (Assistant Professor, Senior Grade)	Member Secretary / Coordinator
Dr. Pardeep Kumar (Associate Professor)	Member-1
Dr. Ravindara Bhatt (Associate Professor)	Member-2
Dr. Ekta Gandotra (Associate Professor)	Member-3
Dr. Saurabh Rawat (Associate Professor, Dept of CE)	Member-4
Dr. Sudarshan Iyenger, Associate Professor, Dept of CSE IIT Ropar	Member-5 (Subject Expert from academics nominated by Dean)
Sh Bharat Kumar Sharma, Director and GPU Advocate, NVIDIA AI Tech Centre	Member-6 (Subject Expert from R&D/ Industry nominated by Dean)
Mr. Prakhar, Software Development Engineer, Microsoft Azure Core one Microsoft Way Redmond, WA-USA	Member-7 (Senior Alumni Academic/ R&D/ Industry nominated by Dean)
Prof. Sunil Kumar Khah (Professor, PMS, JUIT)	Member-8 (IQAC Representative, JUIT)

The Chairman welcomed all the members who were present for the meeting. The meeting was thereafter deliberated by Chairman on agenda items.

3. Action Items / Instructions:

Following decisions were taken/approved by the members of BoS.

Item No. 1 :

Modification of the course structures of B Tech in Computer Science Engineering and B Tech in Information Technology.

The following modifications in accordance with the model curriculum suggested by AICTE for the course structure was prepared keeping in view the following aspects:

- 1) Introduction of Project and multiple entry and multiple exit option to keep in line with the NEP 2020 policy.
- 2) Keeping uniform category wise credit break up distribution across all the B Tech degree programs of JUIT.

The modified course structure was discussed and approved.

Table: 1. Proposed Change -1 (Category wise credit breakup for B Tech in Computer Science Engineering) Existing Structure and proposed new structure

PREVIOUS COURSE STRUCTURE			NEW COURSE STRUCTURE		
Course Category-Wise Credit Breakup	Code	Total Credits	Course Category-Wise Credit Breakup	Code	Total Credits
Humanities & Social Sciences	HSMC	15	Humanities & Social Sciences	HSMC	15
Basic Science	BSC	23	Basic Science	BSC	20
Engineering Science	ESC	26	Engineering Science	ESC	28
Professional Core	PCC	51	Professional Core	PCC	47
Professional Elective	PEC	18	Professional Elective	PEC	18
Open Elective	OEC	15	Open Elective	OEC	18
Project	PR	15	Project	PR	16
Mandatory Course		2	Mandatory Course		3
TOTAL		165	TOTAL		162

Table: 2. Proposed Change -2 (Semester wise credit breakup for B Tech in Computer Science Engineering) Existing Structure and proposed new structure ([see Annexure 1](#))

CATEGORY / SEM	HSS		BASIC SC.		ENGG. SC.		PROF. CORE		PROF. ELECTIVE		OPEN ELECTIVE		PROJECT		TOTAL	
	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New
1 SEM	3	3	9	9	5.5	5.5								1	17.5(23)	18.5 (24)
2 SEM	3	3	8	8	12.5	11.5								1	23.5(34)	23.5 (31)
3 SEM	3	3	3	3	7	9	10	5						1	23(31)	21 (27)

4 SEM	3	3				2	19	16						1	24(32)	22 (27)
5 SEM	3	3	3		1		12	14	3	3				2	22(27)	22(27)
6 SEM							10	8	6	6	3	6	3	2	22(31)	22(29)
7 SEM								4	6	6	6	6	6	4	18(26)	20(27)
8 SEM									3	3	6	6	6	4	15(21)	13(17)
Total	15	15	23	20	26	28	51	47	18	18	15	18	15	16	165	162

Table: 3. Proposed Change -3 (Category wise credit breakup for B Tech in Information Technology)
Existing Structure and proposed new structure

PREVIOUS COURSE STRUCTURE			NEW COURSE STRUCTURE		
Course Category-Wise Credit Breakup	Code	Total Credits	Course Category-Wise Credit Breakup	Code	Total Credits
Humanities & Social Sciences	HSMC	15	Humanities & Social Sciences	HSMC	15
Basic Science	BSC	23	Basic Science	BSC	20
Engineering Science	ESC	25	Engineering Science	ESC	28
Professional Core	PCC	52	Professional Core	PCC	47
Professional Elective	PEC	18	Professional Elective	PEC	18
Open Elective	OEC	15	Open Elective	OEC	18
Project	PR	15	Project	PR	16
Mandatory Course		2	Mandatory Course		3
TOTAL		165	TOTAL		162

Table: 4. Proposed Change -2 (Semester wise credit breakup for B Tech in Information Technology)
Existing Structure and proposed new structure (see Annexure 2)

CATEGORY / SEM	HSS		BASIC SC.		ENGG. SC.		PROF. CORE		PROF. ELECTIVE		OPEN ELECTIVE		PROJECT		TOTAL	
	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New
1 SEM	3	3	9	9	5.5	5.5								1	17.5(23)	18.5 (24)
2 SEM	3	3	8	8	12.5	11.5								1	23.5(34)	23.5 (31)
3 SEM	3	3	3	3	7	9	10	5						1	23(31)	21 (27)
4 SEM	3	3				2	19	16						1	24(32)	22 (27)

5 SEM	3	3	3				13	14	3	3				2	22(27)	22(27)
6 SEM							10	8	6	6	3	6	3	2	22(31)	22(29)
7 SEM								4	6	6	6	6	6	4	18(26)	20(27)
8 SEM									3	3	6	6	6	4	15(21)	13(17)
Total	15	15	23	20	25	28	52	47	18	18	15	18	15	16	165	162

Item No. 2 :

Introduction of Six Specializations of 18 credits along with the 162 credits Curriculum in Computer science and Engineering.

The proposed Specializations are:

Table: 5. The proposed Specializations

S.No	Course Title
2	Artificial Intelligence & Machine Learning (AI&ML)
2	Artificial Intelligence & Data Science (AI&DS)
3	Cyber Security (CS)
4	UX-UI Design
5	Full Stack Software Development

The Specializations core courses of 18 credits are discussed and approved for:

1. Artificial Intelligence & Machine Learning (AI&ML)
2. Artificial Intelligence & Data Science (AI&DS)
3. Cyber Security (CS)

Table: 6. Specialization's core courses of 18 credits for Artificial Intelligence & Machine Learning (AI&ML)

S. No.			Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
SEMESTER - 3										
Specialization Courses										
1	SCC	N		Computational Fundamentals for Optimization	3	0	0		3	3
2	SCC	N		Computational Fundamentals for Optimization - Lab	0	0	2		1	2
SEMESTER - 4										

Specialization Courses										
1	SCC	N		Artificial Intelligence (AI): Recent Trends and Applications	3	0	0		3	3
2	SCC	N		Artificial Intelligence (AI): Recent Trends and Applications Lab	0	0	2		1	2
SEMESTER - 5										
Specialization Courses										
1	SCC			Deep Learning	3	0	0		3	3
2	SCC			Deep Learning Lab	0	0	2		1	2
SEMESTER - 6										
Specialization Courses										
1	SCC	N		Reinforcement Learning	3	0	0		3	3
2	SCC	N		Graph Neural Networks	3	0	0		3	3

Table: 7. Specialization's core courses of 18 credits for Artificial Intelligence & Data Science (AI&DS)

S. No.			Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
SEMESTER - 3										
Specialization Courses										
1	SCC	N		Computational Fundamentals for Optimization	3	0	0		3	3
2	SCC	N		Computational Fundamentals for Optimization - Lab	0	0	2		1	2
SEMESTER - 4										
Specialization Courses										
1	SCC	N		Artificial Intelligence (AI): Recent Trends and Applications	3	0	0		3	3
2	SCC	N		Artificial Intelligence (AI): Recent Trends and Applications Lab	0	0	2		1	2
SEMESTER - 5										
Specialization Courses										
1	SCC			Intelligent Techniques for Predictive Data Analytics	3	0	0		3	3
2	SCC			Intelligent Techniques for Predictive Data Analytics Lab	0	0	2		1	2
SEMESTER - 6										
Specialization Courses										
1	SCC	N		Introduction to Data Analytics and Visualization	3	0	0		3	3
2	SCC	N		Statistical Analysis and Computing	3	0	0		3	3

Table: 8. Specialization's core courses of 18 credits for Cyber Security (CS)

S. No.			Subject Code	Name of the Subjects	Course Hours				Credits	Total Hours
SEMESTER - 3										
Specialization Courses										
1	SCC	N		Information and Cyber Security Foundations	3	0	0		3	3
2	SCC	N		Information and Cyber Security Foundations - Lab	0	0	2		1	2
SEMESTER - 4										
Specialization Courses										
1	SCC	N		Artificial Intelligence (AI): Recent Trends and Applications	3	0	0		3	3
2	SCC	N		Artificial Intelligence (AI): Recent Trends and Applications Lab	0	0	2		1	2
SEMESTER - 5										
Specialization Courses										
1	SCC			Cloud computing and Security	3	0	0		3	3
2	SCC			Cloud computing and Security Lab	0	0	2		1	2
SEMESTER - 6										
Specialization Courses										
1	SCC	N		Network Security and Cryptography	3	0	0		3	3
2	SCC	N		Digital Forensics	3	0	0		3	3

(See Annexure 4) for detailed syllabus up to 4th Semester, of Specializations core courses of 18 credits

Item No. 3 :

Introduction 18 credits of Professional Electives in accordance with specialization in the course structures of B Tech in Computer Science Engineering.

The course structure and detailed syllabus of Professional Electives for specializations in:

4. Artificial Intelligence & Machine Learning (AI&ML)
5. Artificial Intelligence & Data Science (AI&DS)
6. Cyber Security (CS)

is discussed and approved (See Annexure 3) for course structure and (See Annexure 5) for a detailed syllabus of B.Tech. CSE&IT up to 4th Semester.

Item No. 4 :

For a **Minor Degree** in CSE/IT, Students from other departments are required to complete 18 credits by opting:

Table: 9. Choice of credits for Minor Degree

Semester	Professional Core	Professional Elective
Semester 3	4 Credits	-----
Semester 4	4 Credits	-----
Semester 5	4 Credits	-----
Semester 6	-----	3 Credits
Semester 7	-----	3 Credits

(See **Annexure 6**) for a detailed structure of Minor Degree in CSE/IT



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Department of Electronics and Communication Engineering

JUIT Waknaghat

A meeting of Board of Studies of the Department of Electronics and Communication Engineering was held on 14-06-2024 at 11:00 AM in Board Room.

The following members were present

1. Prof. Rajiv Kumar	Chairman
2. Prof. D. Ghosh	External Member
3. Dr. Balwinder Singh	External Member
4. Mr. Sanjay Kumar Singh	External Member
5. Prof. Shruti Jain	Member
6. Prof. Vineet Sharma	Member
7. Prof. R.S. Raja Durai	Member
8. Dr. Harsh Sohal	Member
9. Dr. Emjee Puthooran	Member
10. Dr. Naveen Jaglan	Member
11. Dr. Salman Raju Talluri	Member
12. Dr. Vikas Baghel	Co-opted member
13. Dr. Shweta Pandit	Co-opted member
14. Dr. Alok Kumar	ECE Department
15. Mr. Pardeep Garg	ECE Department
16. Mr. Munish Sood	ECE Department
17. Prof. P.B. Barman	HoD, Physics and Material Science
18. Mr. Kamlesh Shrivastava	Co-opted Member for online issue

The Chairman welcomed all the members who were present for the meeting. With the permission of the Chairman, Prof. D. Ghosh and Mr. Sanjay Kumar Singh have joined online. The meeting was thereafter deliberated by Dr. Shweta Pandit on agenda items as had been approved by the Chairman.

Item No. 1: To approve the minutes of last meeting of the BoS held on Nov. 18, 2021.

Dr. Shweta Pandit has presented the last minutes of meeting.



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Approved as presented.

Item No. 2: To approve the following two new Bachelor Degree Programs in the Department of Electronics and Communication Engineering in its UG Program starting from the academic session 2024-2025

- 1. Electronics and Computer Science (ECS)**
- 2. Electronics Engineering (VLSI Design and Technology)**

Chairman Prof. Rajiv Kumar presented the proposal of introduction of two new undergraduate programs in the department:

1. Electronics and Computer Science (ECS)
2. Electronics Engineering (VLSI Design and Technology)

Dr. Balwinder Singh supported the initiation of a VLSI-related degree program, citing the GoI initiatives and increasing demand for this field in the near future. Dr. Balwinder Singh inquired about the current status of the Electronics and Computer Engineering (ECM) program. Prof. Rajiv Kumar informed the members that the ECM program students have completed their 6th semester and this is the only batch currently enrolled in this degree program. The new ECS and VLSI programs are proposed to commence from the academic session 2024-25. Prof. P.B. Barman asked about the further clarification of this point that whether the proposed ECS course is a renaming of the existing ECM course or a completely new program. Prof. Rajiv Kumar clarified that the ECS program is a completely new degree program. Prof. P.B. Barman and Prof. Vineet Sharma suggested that the discontinuation of the ECM program should be formally proposed as an agenda item, potentially after the graduation of current ECM students.

During the discussion on the second proposed degree program, the question was raised by Prof. Vineet Sharma and Prof. P.B. Barman whether the degree is a specialization degree in ECE? If not so, it may be titled "VLSI Design and Technology" rather than Electronics Engineering (VLSI Design and Technology). In response to this point, the department's Board of Studies members mentioned that the proposed degree program is a full degree program and not specialization. It also aligns with the AICTE model curriculum, which has been reviewed by the department's curriculum committee. The AICTE model curriculum of Electronics Engineering (VLSI Design and Technology) degree program was also shared with the meeting attendees by Mr. Sanjay Kumar Singh.

Prof. Balwinder Singh further added that for some government competitive examinations, candidates must demonstrate the equivalency of their degree with a core branch. Having "Electronics" included in the degree title would prevent potential rejections in such examinations.

After thorough deliberation, the proposed two new undergraduate degree programs were **approved**.



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Item No. 3: To consider the review, assessment and approval of the modifications carried out in the course curriculum of Electronics and Communication Engineering (ECE) for the batch starting from the session 2024-2025

Dr. Shweta Pandit informed the members that the department has restructured the ECE curriculum in accordance with new guidelines from higher authorities. Dr. Salman Raju Talluri was invited to present the proposed ECE curriculum. The proposed ECE semester-wise curriculum is attached in **Annexure I**. Dr. Salman Raju Talluri explained that the first two semesters are common for all university students. There was discussion regarding the implementation of project components in each semester. Since the semester-wise project activities yet to be finalized in consultation with other core departments of university, it was decided to work out on it first at the department and seek approval in the next Board of Studies meeting. Prof. Balwinder Singh emphasized that project should be more relevant to the branch. He also expressed concerns about the feasibility of a single department managing projects for all university students in a semester.

After thorough discussion, it was decided to eliminate one credit Verilog HDL Lab from 3rd semester of ECE curriculum. Prof. Vineet Sharma supported the addition of a Verilog-related course for CSE students, potentially as an open elective, to provide them with an understanding of VLSI concepts.

It was decided to add tutorial of Electromagnetic Waves along with lecture in the 5th semester of ECE curriculum. Prof. Barman highlighted that increasing credits beyond 162 in a degree program could impose an undue burden on students. Additionally, Prof. Barman emphasized the importance of capping the total weekly hours at 30 to ensure a manageable workload for students. The suggestion to incorporate the Material Sciences subject in the curriculum of ECE by Prof. Barman was proposed. After careful consideration and reviewing the credit restrictions for basic sciences courses, the decision was made to include the Probability, Statistics, and Stochastic Processes course in the ECE curriculum under the basic sciences category, as initially planned due to necessity of this course for an ECE engineer. Simultaneously, the Semiconductor Physics course was decided to be incorporated into the Electronics Engineering (VLSI Design and Technology) degree program, replacing the Probability, Statistics, and Stochastic Processes course in the third semester of this proposed second degree program.

Embedded Systems Course and its lab were decided to be replaced with Antenna Theory and Wave Propagation subject and its lab in the 6th Semester of the proposed ECE curriculum. This decision was influenced by the inclusion of the Microprocessor and Microcontrollers subject in the 5th semester, which is expected to cover the basics of embedded systems. Embedded system subject was suggested to be included in the professional electives, covering advanced topics like ARM processors etc.

After presenting the semester wise course structure by Dr. Salman Raju Talluri, the tentative list of professional electives and open electives were presented. It was intimated that the list is still under preparation and will be put in next BoS. External department members of BoS suggested the inclusion of robotics and drone courses in the open electives.

After thorough discussion, the final semester-wise changes suggested are as follows:
From Semester-3, Verilog HDL Lab is dropped.

In Semester-5, Electromagnetic Waves subject tutorial is added.



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In Semester-6, Embedded Systems theory course and its Lab is replaced with Antenna Theory and Wave Propagation subject and its Lab.

These changes are **approved** and the updated curriculum with the asked changes is attached as **Annexure II** with highlighted changes.

Item No. 4: To consider the approval of the new course curriculum scheme of Electronics and Computer Science (ECS) for the batch starting from the session 2024-2025

Dr. Shweta Pandit presented the next agenda item with the consent of Chairman to approve the new course curriculum scheme of Electronics and Computer Science (ECS) degree starting from the session 2024-2025. Dr. Vikas Baghel was invited to present the proposed ECS curriculum. The proposed ECS semester-wise curriculum is attached in **Annexure III**. It was informed by Dr. Vikas Baghel that he has made the structure with reference to the proposed ECE curriculum in *Item No. 3* and CSE department's recently proposed curriculum. He mentioned inclusion of nearly equal distribution of courses, from ECE and CSE, reflecting the interdisciplinary nature of this branch, which incorporate the portions from both fields. There was discussion on addition of Python subject in the proposed ECS curriculum and was decided to put this course in Profession Electives bucket. The external members have asked for the list of professional and open electives for ECS course. It was intimated to them that the list is still under preparation and will be put in next BoS. It was the suggestion of all the external expert BoS members to put course on cyber security, cloud etc. in electives. It was communicated to the members that once the electives list is finalized by the ECE and CSE branches, the plan is to select a few courses from those lists for the ECS elective offerings. There was no change suggested in the proposed ECS curriculum attached as **Annexure III** and is **approved** in its current form.

Item No. 5: To consider the approval of the new course curriculum scheme of Electronics Engineering (VLSI Design and Technology) for the batch starting from the session 2024-2025

Dr. Shweta Pandit presented the next agenda item with the consent of Chairman to approve the new course curriculum scheme of Electronics Engineering (VLSI Design and Technology) degree starting from the session 2024-2025. Dr. Harsh Sohal was invited to present the proposed degree program curriculum. The proposed Electronics Engineering (VLSI Design and Technology) semester-wise curriculum is attached in **Annexure IV**. It was recommended to remove the Verilog HDL lab from the 3rd semester, aligning with suggestions made during the finalization of the ECE curriculum. There is proposal to rename the "FPGA based System Design" course in the 4th semester to "FPGA Design using Verilog" and to schedule its lab with the same name in the 4th semester. All members agreed to this proposal. Semiconductor Physics course was proposed to be incorporated in the third semester by replacing Probability, Statistics and Stochastic Processes course. It was discussed that knowledge of different materials used in design, fabrication, and performance optimization of integrated circuits is required for a VLSI engineer. A list of few electives was suggested by Dr. Balwinder Singh. He suggested to include courses like DSP for VLSI, Sensors and MEMS design, Packaging and Reliability, Hardware security, AI for VLSI circuits, VLSI for biomedical applications, RF circuits in electives.

After thorough discussion, the final semester-wise changes suggested are as follows:
From Semester-3, Verilog HDL Lab is dropped.



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)
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In Semester-3, Probability, Statistics and Stochastic Processes course is replaced with Semiconductor Physics Course.

In Semester-4, the course name FPGA based System Design is renamed as FPGA Design using Verilog.

In Semester-4, FPGA Design using Verilog Lab is included.

These changes are **approved** and the updated curriculum with the asked changes is attached as **Annexure V** with highlighted changes.

Item No. 6: Any other with permission of the Chair.

Prof. Shruti Jain requested suggestions from the external members to improve admissions and placements in the ECE department. In response, Dr. Balwinder Singh emphasized the importance of providing students with more practical exposure to laboratories, software, and industry. He invited the department students for an industrial visit to SCL, Mohali.

Mr. Sanjay Singh, an ECE alumnus of JUIT offered to organize online meetings between students and professionals at TSMC (Taiwan Semiconductor Manufacturing Company).

Both Mr. Sanjay Kumar and Dr. Balwinder Singh suggested inviting guest faculty from the industry to collaborate on courses. They recommended involving industry professionals to teach two to three chapters of selected courses, which would add significant value. Dr. Balwinder proposed to prepare a plan for industry experts to teach some VLSI electives. He also advised to seek consultancy projects from external agencies and suggested to organize workshops on project proposal writing. He informed the faculty about his ongoing projects with different agencies. Furthermore, he recommended reducing the load on research faculty and establishing a Center of Excellence for packaging and testing.

Department faculty thanked external members for their suggestions.

Prof. Rajiv Kumar concluded the meeting at 1:45PM with vote of thanks to all the curriculum committee members Dr. Harsh Sohal, Dr. Emjee Puthooran, Dr. Salman Raju Talluri, Dr. Vikas Baghel, and Dr. Shweta Pandit for finalizing the proposal of different programs and planning of the BoS meeting. He also thanked Dr. Balwinder Singh, Prof. D. Ghosh, and Mr. Sanjay Kumar Singh and all the BoS members for their suggestions.

Dr. Shweta Pandit
(BoS Coordinator)

Prof. Rajiv Kumar
(Chairman, HoD ECE)



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Attendance Sheet of BoS held on 14.6.24

(Dr. Balwinder Singh)

(Prof. Debasshish Ghosh)

14/06/2024
(Mr. Sanjay Kumar Singh)

(Prof. Rajiv Kumar)

(Prof. Shruti Jain)

(Prof. Vinod Sharma,
Prof, Dept. of PMS, IQAC representative)

(Prof. R S Raja Murai,
Prof., Dept. of Mathematics)

(Dr. Harsh Solanki)

(Dr. Emjee Puthooran)

(Dr. Naveen Jaglan)

(Dr. Salman Raju Talluri) 14/6/2024


(Dr. Vikas Baghel)



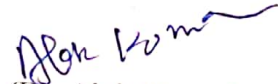
**JAYPEE UNIVERSITY OF INFORMATION
TECHNOLOGY**
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No. 14 of 2002)

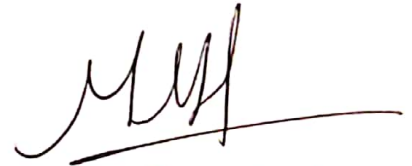


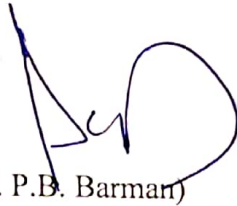
Attendance Sheet of BoS held on 14.6.24


(Dr. Shweta Pandit)


(Dr. Pardeep Garg)


(Dr. Alok Kumar)


(Mr. Munish Sood)


(Prof. P.B. Barman)

Annexure I

**Proposed Electronics and Communication Engineering (ECE)
Degree Curriculum presented in BoS Meeting held on 14
June, 2024**

PROPOSED CATEGORY & SEMESTER WISE CREDIT DISTRIBUTION (FINALIZED)ECED

CATEG ORY / SEM	HSS	BASIC SC.	ENGG. SC.	PROF. CORE	PROF. ELECTI VE	OPEN ELECTI VE	PROJE CT	TOTAL Credits (Hours)
1 SEM	3	9	5.5				1	18.5(24)
2 SEM	3	8	11.5				1	23.5(31)
3 SEM	3	3	4	11			1	22(27)
4 SEM	3		2	18			1	24(28)
5 SEM	3			13	3		2	21(26)
6 SEM				8	6	6	2	22(27)
7 SEM				3	6	6	4	19(24)
8 SEM					3	6	4	13(17)
Total	15	20	23	53	18	18	16	163 (204)

Basic Sc. – Mathematics, Physics & Chemistry.

Engg. Sc. – Engg. Courses offered by one particular department and mandatory to all students irrespective to department.

Note:- Only Credits have been defined under the category / semester. However, No. of Courses in each department should be kept Uniform. If deemed fit, liberty of introduction of Theory Courses / Lab courses within the specified credit limit should be given to the departments.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN									
Course Structure of BTech in Electronics and Communications Engineering									
(TOTAL CREDITS - 163) – APPLICABLE FROM- 2024 ADMISSION BATCH									
SEMESTER - 1									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			English	2	0	0	2	2
2	HSMC			English Lab	0	0	2	1	2
3	BSC			Engineering Mathematics-I	3	1	0	4	4
4	BSC			Engineering Physics-I	3	1	0	4	4
5	BSC			Engineering Physics Lab-I	0	0	2	1	2
6	ESC			Engineering Graphics/Workshop Practices	0	0	3	1.5	3
7	ESC			Problem Solving and Programming	3	0	0	3	3
8	ESC			Problem Solving and Programming Lab	0	0	2	1	2
9	PR			Project-I BSC	0	0	2	1	2
10	MNC			UHV-I Mandatory Induction Program	2 Weeks			0	
				TOTAL				18.5	24

	Credits	Hours
HSMC	3	4
BSC	9	10
ESC	5.5	8
PCC		
PEC		
OEC		
PR	1	2
Total	18.5	24

SEMESTER - 2									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Universal Human Values- II: Understanding Harmony	2	1	0	3	3
2	BSC			Engineering Mathematics-II	3	1	0	4	4
3	BSC			Engineering Physics-II	3	0	0	3	3
4	BSC			Engineering Physics-II Lab	0	0	2	1	2
5	ESC	N		Electrical Engineering/Basic Electrical Engineering(BT and	3	1	0	4	4
6	ESC	N		Electrical Engineering Lab/Basic Electrical Engineering Lab(BT and BI)	0	0	2	1	2
7	ESC			Workshop Practices/Engineering Graphics	0	0	3	1.5	3
8	ESC			Data Structures and Algorithms	3	0	0	3	3
9	ESC			Data Structures and Algorithms Lab	0	0	4	2	4
10	PR			Project-II BI/BT	0	0	2	1	2
11	HSMC			Professional Communication Practice (AUDIT)	0	1	0	0	1
				TOTAL				23.5	31

	Credits	Hours
HSMC	3	4
BSC	8	9
ESC	11.5	16
PCC		
PEC		
OEC		
PR	1	2

Total 23.5 31

Summer Term
Exit option with UG certificate of Level 5 on successful completion of 40 credits from 2 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.

SEMESTER - 3									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Life Skills and Interpersonal Dynamics	2	1	0	3	3
2	BSC			Probability, Statistics and Stochastic Processes	3	0	0	3	3
3	ESC	N		Digital System Design	3	0	0	3	3
4	ESC	N		Digital System Design Lab	0	0	2	1	2
5	PCC	N		Electronic Devices	3	1	0	4	4
6	PCC	N		Electronic Devices Lab	0	0	2	1	2
7	PCC	N		Signals and Systems	3	1	0	4	4
8	PCC	N		Signals and Systems Lab	0	0	2	1	2
9	PCC	N		Verilog HDL Lab	0	0	2	1	2
10	PR			Project-III ESC	0	0	2	1	2
				TOTAL				22	27

	Credits	Hours
HSMC	3	3
BSC	3	3
ESC	4	5
PCC	11	14
PEC		
OEC		
PR	1	2

Total2227

SEMESTER - 4									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Finance and Accounts	3	0	0	3	3
2	ESC			Environmental Studies	2	0	0	2	2
3	PCC	N		Analog Circuits	3	1	0	4	4
4	PCC	N		Analog Circuits Lab	0	0	2	1	2
5	PCC	N		Control Systems	3	1	0	4	4
6	PCC	R		Analog and Digital Communication	3	1	0	4	4
7	PCC	R		Analog and Digital Communication Lab	0	0	2	1	2
8	PCC	R		Microprocessors and Microcontrollers	3	0	0	3	3
9	PCC	R		Microprocessors and Microcontrollers Lab	0	0	2	1	2
10	PR			Project-IV	0	0	2	1	2
				TOTAL				24	28

	Credits	Hours
HSMC	3	3
BSC		
ESC	2	2
PCC	18	21
PEC		
OEC		
PR	1	2

Total 24 28

Summer Term

Exit option with UG Diploma of Level 6 on successful completion of 80 credits from 4 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.

SEMESTER - 5									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			PR Management and Entrepreneurship	3	0	0	3	3
2	PCC	R		Electromagnetic Waves	3	0	0	3	3
3	PCC	N		Electromagnetic Waves Lab	0	0	2	1	2
4	PCC	R		Digital Signal Processing	3	0	0	3	3
5	PCC	R		Digital Signal Processing Lab	0	0	2	1	2
6	PCC	R		VLSI Design	3	1	0	4	4
7	PCC	N		VLSI Design Lab	0	0	2	1	2
8	PEC			PE-I	3	0	0	3	3
9	PR			Project-V	0	0	4	2	4
				TOTAL				21	26

	Credits	Hours
HSMC	3	3
BSC		
ESC		
PCC	13	16
PEC	3	3
OEC		
PR	2	4
Total	21	26

SEMESTER - 6									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	PCC	N		Embedded Systems	3	0	0	3	3
2	PCC	N		Embedded Systems Lab	0	0	2	1	2
3	PCC	R		Wireless and Data Communication	3	0	0	3	3
4	PCC	N		Wireless and Data Communication Lab	0	0	2	1	2
5	PEC			PE-II	3	0	0	3	3
6	PEC			PE-III	3	0	0	3	3
7	OEC			OE-I - SE	3	0	0	3	3
8	OEC			OE-II - HSS	3	0	0	3	3
9	PR			Project-VI	0	0	4	2	4
10	MNC			Soft Skills for Professionals	0	1	0	0	1
				TOTAL				22	27

	Credits	Hours
HSMC	0	1
BSC		
ESC		
PCC	8	10
PEC	6	6
OEC	6	6
PR	2	4

Total 22 27

Summer Term

Exit option with B.Sc. of Level 7 on successful completion of 120 credits from 6 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.

SEMESTER - 7									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	PCC	N		Computer Architecture	3	0	0	3	3
2	PEC			PE-IV	3	0	0	3	3
3	PEC			PE-V	3	0	0	3	3
4	OEC			OE-III	3	0	0	3	3
5	OEC			OE-IV	3	0	0	3	3
6	PR			Project-VII	0	0	8	4	8
7	HSMC			Indian Constitution	1	0	0	Audit	1
				TOTAL				19	24

	Credits	Hours
HSMC	0	1
BSC		
ESC		
PCC	3	3
PEC	6	6
OEC	6	6
PR	4	8
Total	19	24

SEMESTER - 8									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
	Option-1				L	T	P		
1	PEC			PE-VI	3	0	0	3	3
2	OEC			OE-V	3	0	0	3	3
3	OEC			OE-VI	3	0	0	3	3
4	PR			Project-VIII	0	0	8	4	8
				TOTAL				13	17

OR

	Option-2				L	T	P		
1	PR			Industrial Internship				11	
				TOTAL				11	

OR

	Option-3				L	T	P		
1	PEC			PE-VI	3	0	0	3	3
2	OEC			OE-V	3	0	0	3	3
3	OEC			OE-VI	3	0	0	3	3
4	INT			Industrial	0	0	8	4	8
				TOTAL				13	17

	Credits	Hours
HSMC		
BSC		
ESC		
PCC		
PEC	3	3
OEC	6	6
PR	4	8

Total 13 17

COURSE CATEGORY-WISE CREDIT BREAKUP			
		Total Credits	Total Hours
Humanities & Social Sciences	HSMC	15	19
Basic Science	BSC	20	22
Engineering Science	ESC	23	31
Professional Core	PCC	53	64
Professional Elective	PEC	18	18
Open Elective	OEC	18	18
Project	PR	16	32
TOTAL		163	204

Annexure II

Modified Electronics and Communication Engineering (ECE) Degree Curriculum as per suggestions during BoS Meeting

PROPOSED CATEGORY & SEMESTER WISE CREDIT DISTRIBUTION (FINALIZED)ECED

CATEG ORY / SEM	HSS	BASIC SC.	ENGG. SC.	PROF. CORE	PROF. ELECTI VE	OPEN ELECTI VE	PROJE CT	TOTAL Credits (Hours)
1 SEM	3	9	5.5				1	18.5(24)
2 SEM	3	8	11.5				1	23.5(31)
3 SEM	3	3	4	10			1	21(25)
4 SEM	3		2	18			1	24(28)
5 SEM	3			13	3		2	22(27)
6 SEM				8	6	6	2	22(27)
7 SEM				3	6	6	4	19(24)
8 SEM					3	6	4	13(17)
Total	15	20	23	53	18	18	16	163 (203)

Basic Sc. – Mathematics, Physics & Chemistry.

Engg. Sc. – Engg. Courses offered by one particular department and mandatory to all students irrespective to department.

Note:- Only Credits have been defined under the category / semester. However, No. of Courses in each department should be kept Uniform. If deemed fit, liberty of introduction of Theory Courses / Lab courses within the specified credit limit should be given to the departments.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN									
Course Structure of BTech in Electronics and Communications Engineering									
(TOTAL CREDITS - 168) – APPLICABLE FROM- 2024 ADMISSION BATCH									
SEMESTER - 1									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			English	2	0	0	2	2
2	HSMC			English Lab	0	0	2	1	2
3	BSC			Engineering Mathematics-I	3	1	0	4	4
4	BSC			Engineering Physics-I	3	1	0	4	4
5	BSC			Engineering Physics Lab-I	0	0	2	1	2
6	ESC			Engineering Graphics/Workshop Practices	0	0	3	1.5	3
7	ESC			Problem Solving and Programming	3	0	0	3	3
8	ESC			Problem Solving and Programming Lab	0	0	2	1	2
9	PR			Project-I BSC	0	0	2	1	2
10	MNC			UHV-I Mandatory Induction Program	2 Weeks			0	
				TOTAL				18.5	24

	Credits	Hours
HSMC	3	4
BSC	9	10
ESC	5.5	8
PCC		
PEC		
OEC		
PR	1	2
Total	18.5	24

SEMESTER - 2									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Universal Human Values- II: Understanding Harmony	2	1	0	3	3
2	BSC			Engineering Mathematics-II	3	1	0	4	4
3	BSC			Engineering Physics-II	3	0	0	3	3
4	BSC			Engineering Physics-II Lab	0	0	2	1	2
5	ESC	N		Electrical Engineering/Basic Electrical Engineering(BT and	3	1	0	4	4
6	ESC	N		Electrical Engineering Lab/Basic Electrical Engineering Lab(BT and BI)	0	0	2	1	2
7	ESC			Workshop Practices/Engineering Graphics	0	0	3	1.5	3
8	ESC			Data Structures and Algorithms	3	0	0	3	3
9	ESC			Data Structures and Algorithms Lab	0	0	4	2	4
10	PR			Project-II BI/BT	0	0	2	1	2
11	HSMC			Professional Communication Practice (AUDIT)	0	1	0	0	1
				TOTAL				23.5	31

	Credits	Hours
HSMC	3	4
BSC	8	9
ESC	11.5	16
PCC		
PEC		
OEC		
PR	1	2

Total 23.5 31

Summer Term
Exit option with UG certificate of Level 5 on successful completion of 40 credits from 2 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.

SEMESTER - 3									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Life Skills and Interpersonal Dynamics	2	1	0	3	3
2	BSC			Probability, Statistics and Stochastic Processes	3	0	0	3	3
3	ESC	N		Digital System Design	3	0	0	3	3
4	ESC	N		Digital System Design Lab	0	0	2	1	2
5	PCC	N		Electronic Devices	3	1	0	4	4
6	PCC	N		Electronic Devices Lab	0	0	2	1	2
7	PCC	N		Signals and Systems	3	1	0	4	4
8	PCC	N		Signals and Systems Lab	0	0	2	1	2
9	PR			Project-III ESC	0	0	2	1	2
				TOTAL				21	25

	Credits	Hours
HSMC	3	3
BSC	3	3
ESC	4	5
PCC	10	12
PEC		
OEC		
PR	1	2

Total2125

SEMESTER - 4									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Finance and Accounts	3	0	0	3	3
2	ESC			Environmental Studies	2	0	0	2	2
3	PCC	N		Analog Circuits	3	1	0	4	4
4	PCC	N		Analog Circuits Lab	0	0	2	1	2
5	PCC	N		Control Systems	3	1	0	4	4
6	PCC	R		Analog and Digital Communication	3	1	0	4	4
7	PCC	R		Analog and Digital Communication Lab	0	0	2	1	2
8	PCC	R		Microprocessors and Microcontrollers	3	0	0	3	3
9	PCC	R		Microprocessors and Microcontrollers Lab	0	0	2	1	2
10	PR			Project-IV	0	0	2	1	2
				TOTAL				24	28

	Credits	Hours
HSMC	3	3
BSC		
ESC	2	2
PCC	18	21
PEC		
OEC		
PR	1	2

Total 24 28

Summer Term

Exit option with UG Diploma of Level 6 on successful completion of 80 credits from 4 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.

SEMESTER - 5									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			PR Management and Entrepreneurship	3	0	0	3	3
2	PCC	R		Electromagnetic Waves	3	1	0	4	4
3	PCC	N		Electromagnetic Waves Lab	0	0	2	1	2
4	PCC	R		Digital Signal Processing	3	0	0	3	3
5	PCC	R		Digital Signal Processing Lab	0	0	2	1	2
6	PCC	R		VLSI Design	3	1	0	4	4
7	PCC	N		VLSI Design Lab	0	0	2	1	2
8	PEC			PE-I	3	0	0	3	3
9	PR			Project-V	0	0	4	2	4
				TOTAL				22	27

	Credits	Hours
HSMC	3	3
BSC		
ESC		
PCC	14	17
PEC	3	3
OEC		
PR	2	4
Total	22	27

SEMESTER - 6									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	PCC	N		Antenna theory and Wave Propagation	3	0	0	3	3
2	PCC	N		Antenna theory and Wave Propagation Lab	0	0	2	1	2
3	PCC	R		Wireless and Data Communication	3	0	0	3	3
4	PCC	N		Wireless and Data Communication Lab	0	0	2	1	2
5	PEC			PE-II	3	0	0	3	3
6	PEC			PE-III	3	0	0	3	3
7	OEC			OE-I - SE	3	0	0	3	3
8	OEC			OE-II - HSS	3	0	0	3	3
9	PR			Project-VI	0	0	4	2	4
10	MNC			Soft Skills for Professionals	0	1	0	0	1
				TOTAL				22	27

	Credits	Hours
HSMC	0	1
BSC		
ESC		
PCC	8	10
PEC	6	6
OEC	6	6
PR	2	4

Total 22 27

Summer Term

Exit option with B.Sc. of Level 7 on successful completion of 120 credits from 6 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.

SEMESTER - 7									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	PCC	N		Computer Architecture	3	0	0	3	3
2	PEC			PE-IV	3	0	0	3	3
3	PEC			PE-V	3	0	0	3	3
4	OEC			OE-III	3	0	0	3	3
5	OEC			OE-IV	3	0	0	3	3
6	PR			Project-VII	0	0	8	4	8
7	HSMC			Indian Constitution	1	0	0	Audit	1
				TOTAL				19	24

	Credits	Hours
HSMC	0	1
BSC		
ESC		
PCC	3	3
PEC	6	6
OEC	6	6
PR	4	8
Total	19	24

SEMESTER - 8									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
	Option-1				L	T	P		
1	PEC			PE-VI	3	0	0	3	3
2	OEC			OE-V	3	0	0	3	3
3	OEC			OE-VI	3	0	0	3	3
4	PR			Project-VIII	0	0	8	4	8
				TOTAL				13	17

OR

	Option-2				L	T	P		
1	PR			Industrial Internship				11	
				TOTAL				11	

OR

	Option-3				L	T	P		
1	PEC			PE-VI	3	0	0	3	3
2	OEC			OE-V	3	0	0	3	3
3	OEC			OE-VI	3	0	0	3	3
4	INT			Industrial	0	0	8	4	8
				TOTAL				13	17

	Credits	Hours
HSMC		
BSC		
ESC		
PCC		
PEC	3	3
OEC	6	6
PR	4	8

Total 13 17

COURSE CATEGORY-WISE CREDIT BREAKUP			
		Total Credits	Total Hours
Humanities & Social Sciences	HSMC	15	19
Basic Science	BSC	20	22
Engineering Science	ESC	23	31
Professional Core	PCC	53	63
Professional Elective	PEC	18	18
Open Elective	OEC	18	18
Project	PR	16	32
TOTAL		163	203

Annexure III

Proposed and Approved Electronics and Computer Science (ECS) Curriculum during BoS Meeting

PROPOSED CATEGORY & SEMESTER WISE CREDIT DISTRIBUTION (FINALIZED) ECS

CATEG ORY / SEM	HSS	BASIC SC.	ENGG. SC.	PROF. CORE	PROF. ELECTI VE	OPEN ELECTI VE	PROJE CT	TOTAL Credits (Hours)
1 SEM	3	9	5.5				1	18.5 (24)
2 SEM	3	8	11.5				1	23.5 (31)
3 SEM	3	3	9	10			1	26 (32)
4 SEM	3		2	18			1	24 (30)
5 SEM	3			12	3		2	20 (24)
6 SEM				4	6	6	2	18 (22)
7 SEM				3	6	6	4	19 (24)
8 SEM					3	6	4	13 (17)
Total	15	20	28	47	18	18	16	162 (204)

Basic Sc. – Mathematics, Physics & Chemistry.

Engg. Sc. – Engg. Courses offered by one particular department and mandatory to all students irrespective to department.

Note:- Only Credits have been defined under the category / semester. However, No. of Courses in each department should be kept Uniform. If deemed fit, liberty of introduction of Theory Courses / Lab courses within the specified credit limit should be given to the departments.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN									
Course Structure of BTech in Electronics & Computer Science									
(TOTAL CREDITS – 162) – APPLICABLE FROM 2024 ADMISSION BATCH									
SEMESTER - 1									
S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			English	2	0	0	2	2
2	HSMC			English Lab	0	0	2	1	2
3	BSC			Engineering Mathematics-I	3	1	0	4	4
4	BSC			Engineering Physics-I	3	1	0	4	4
5	BSC			Engineering Physics Lab-I	0	0	2	1	2
6	ESC	N		Problem Solving and Programming	3	0	0	3	3
7	ESC	N		Problem Solving and Programming Lab	0	0	2	1	2
8	ESC			Workshop Practices OR	0	0	3	1.5	3
				Engineering Graphics	0	0	3		
9	PR			Project-I C	0	0	2	1	2
10	MNC			UHV-I Mandatory Induction	2 weeks			0	
				TOTAL				18.5	24

	Credits	Hours
HSMC	3	4
BSC	9	10
ESC	5.5	8
PCC	0	0
PEC	0	0
OEC	0	0
PR	1	2
Total	18.5	24

SEMESTER - 2									
S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Universal Human Values- II:	2	1	0	3	3
2	BSC			Engineering Mathematics-II	3	1	0	4	4
3	BSC			Engineering Physics-II	3	0	0	3	3
4	BSC			Engineering Physics-II Lab	0	0	2	1	2
5	ESC	N		Electrical Engineering	3	1	0	4	4
6	ESC	N		Electrical Engineering Lab	0	0	2	1	2
7	ESC			Data Structures and Algorithms	3	0	0	3	3
8	ESC			Data Structures and Algorithms Lab	0	0	4	2	4
9	ESC			Workshop Practices OR	0	0	3	1.5	3
				Engineering Graphics	0	0	3		
10	PR			Project-II BI/BT	0	0	2	1	2
11	HSMC			Professional Communication Practice (AUDIT)	0	1	0	0	1
				TOTAL				23.5	31

	Credits	Hours
HSMC	3	4
BSC	8	9
ESC	11.5	16
PCC	0	0
PEC	0	0
OEC	0	0
PR	1	2

Total 23.5 31

Summer Term									
Exit option with UG certificate of Level 5 on successful completion of 40 credits from 2 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.									
SEMESTER - 3									
S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Life Skills and Interpersonal	2	1	0	3	3
2	BSC			Probability, Statistics and Stochastic Processes	3	0	0	3	3
3	ESC			Object Oriented Systems and Programming	3	0	0	3	3
4	ESC			Object Oriented Systems and Programming Lab	0	0	4	2	4
5	ESC	N		Digital System Design	3	0	0	3	3
6	ESC	N		Digital System Design Lab	0	0	2	1	2
7	PCC	N		Electronic Devices	3	1	0	4	4
8	PCC	N		Electronic Devices Lab	0	0	2	1	2
9	PCC	N		Signals and Systems	3	1	0	4	4
10	PCC	N		Signals and Systems Lab	0	0	2	1	2
11	PR			Project III ESC	0	0	2	1	2
				TOTAL				26	32

	Credits	Hours
HSMC	3	3
BSC	3	3
ESC	9	12
PCC	10	12
PEC	0	0
OEC	0	0
PR	1	2
Total	26	32

SEMESTER - 4									
S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Finance and Accounts	3	0	0	3	3
2	ESC			Environmental Studies	2	0	0	2	2
3	PCC	R		Analog and Digital Communication	3	1	0	4	4
4	PCC	R		Analog and Digital Communication Lab	0	0	2	1	2
5	PCC	R		Microprocessors and Microcontrollers	3	0	0	3	3
6	PCC	R		Microprocessors and Microcontrollers Lab	0	0	2	1	2
7	PCC			Operating Systems	3	0	0	3	3
8	PCC			Operating System Lab	0	0	2	1	2
9	PCC			Design & Analysis of Algorithms	3	0	0	3	3
10	PCC			Design and Analysis of Algorithms Lab	0	0	4	2	4
11	PR			Project-IV	0	0	2	1	2
				TOTAL				24	30
Summer Term									
Exit option with UG Diploma of Level 6 on successful completion of 80 credits from 4 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.									

	Credits	Hours
HSMC	3	3
BSC	0	0
ESC	2	2
PCC	18	23
PEC	0	0
OEC	0	0
PR	1	2
Total	24	30

SEMESTER - 5									
S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Project Management and Entrepreneurship	3	0	0	3	3
2	PCC	R		VLSI Design	3	1	0	4	4
3	PCC	N		VLSI Design Lab	0	0	2	1	2
4	PCC			Theory of Computaion	3	0	0	3	3
5	PCC			Database Management systems	3	0	0	3	3
6	PCC			Database Management systems Lab	0	0	2	1	2
7	PEC			PE-I	3	0	0	3	3
8	PR			Project-V	0	0	4	2	4
				TOTAL				20	24

	Credits	Hours
HSMC	3	3
BSC	0	0
ESC	0	0
PCC	12	14
PEC	3	3
OEC	0	0
PR	2	4
Total	20	24

SEMESTER - 6									
S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	PCC			Computer Networks	3	0	0	3	3
2	PCC			Computer Networks lab	0	0	2	1	2
3	PEC			PE-II	3	0	0	3	3
4	PEC			PE-III	3	0	0	3	3
5	OEC			OE-I (SE)	3	0	0	3	3
6	OEC			OE-II (HSS)	3	0	0	3	3
7	PR			Project-VI	0	0	4	2	4
8	HSMC			Soft Skills for Professionals (AUDIT)	0	1	0	0	1
				TOTAL				18	22
<p style="text-align: center;">Summer Term</p> <p>Exit option with B.Sc. of Level 7 on successful completion of 120 credits from 6 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.</p>									

	Credits	Hours
HSMC	0	1
BSC	0	0
ESC	0	0
PCC	4	5
PEC	6	6
OEC	6	6
PR	2	4

Total 18 22

SEMESTER - 7									
S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	PCC	N		Computer Architecture	3	0	0	3	3
2	PEC			PE-IV	3	0	0	3	3
3	PEC			PE-V	3	0	0	3	3
4	OEC			OE-III	3	0	0	3	3
5	OEC			OE-IV	3	0	0	3	3
6	PR			Project-VII	0	0	8	4	8
7	HSMC			Indian Constitution (AUDIT)	1	0	0	0	1
				TOTAL				19	24

	Credits	Hours
HSMC	0	1
BSC	0	0
ESC	0	0
PCC	3	3
PEC	6	6
OEC	6	6
PR	4	8
Total	19	24

SEMESTER - 8									
S. No.	Course Category	New / Revised	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
Option 1									
1	PEC			PE-VI	3	0	0	3	3
2	OEC			OE-V	3	0	0	3	3
3	OEC			OE-VI	3	0	0	3	3
4	PR			Project-VIII	0	0	8	4	8
				TOTAL				13	17

OR

Option 2									
1	PEC			PE-VI	3	0	0	3	3
2	OEC			OE-V	3	0	0	3	3
3	OEC			OE-VI	3	0	0	3	3
4	INT			Industrial	0	0	8	4	8
				TOTAL				13	17

OR

Option 3									
1	PR			Industrial Internship				13	
				TOTAL				13	

	Credits	Hours
HSMC	0	0
BSC	0	0
ESC	0	0
PCC	0	0
PEC	3	3
OEC	6	6
PR	4	8

Total	13	17
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COURSE CATEGORY-WISE CREDIT BREAKUP

Humanities & Social Sciences	HSMC	15
Basic Science	BSC	20
Engineering Science	ESC	28
Professional Core	PCC	47
Professional Elective	PEC	18
Open Elective	OEC	18
Project	PR	16
TOTAL CREDITS		162
TOTAL HOURS		204

Annexure IV

**Proposed Electronics Engineering (VLSI Design and
Technology) Degree Curriculum presented in BoS Meeting
held on 14 June, 2024**

PROPOSED CATEGORY & SEMESTER WISE CREDIT DISTRIBUTION (FINALIZED) ECED (VLSI)

CATEGORY / SEM	HSS	BASIC SC.	ENGG. SC.	PROF. CORE	PROF. ELECTIVE	OPEN ELECTIVE	PROJECT	TOTAL Credits (Hours)
1 SEM	3	9	5.5				1	18.5(24)
2 SEM	3	8	11.5				1	23.5(31)
3 SEM	3	3	4	11			1	22(27)
4 SEM	3		2	17			1	23(27)
5 SEM	3			13	3		2	21(26)
6 SEM				9	6	6	2	23(28)
7 SEM				3	6	6	4	19(24)
8 SEM					3	6	4	13(17)
Total	15	20	23	53	18	18	16	163 (204)

Basic Sc. – Mathematics, Physics & Chemistry.

Engg. Sc. – Engg. Courses offered by one particular department and mandatory to all students irrespective to department.

Note:- Only Credits have been defined under the category / semester. However, No. of Courses in each department should be kept Uniform. If deemed fit, liberty of introduction of Theory Courses / Lab courses within the specified credit limit should be given to the departments.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN									
Course Structure of B.Tech. in Electronics Engineering (VLSI Design & Technology)									
(TOTAL CREDITS - 163) – APPLICABLE FROM- 2024 ADMISSION BATCH									
SEMESTER - 1									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			English	2	0	0	2	2
2	HSMC			English Lab	0	0	2	1	2
3	BSC			Engineering Mathematics-I	3	1	0	4	4
4	BSC			Engineering Physics-I	3	1	0	4	4
5	BSC			Engineering Physics Lab-I	0	0	2	1	2
6	ESC			Engineering Graphics/Workshop Practices	0	0	3	1.5	3
7	ESC			Problem Solving and Programming	3	0	0	3	3
8	ESC			Problem Solving and Programming Lab	0	0	2	1	2
9	PR			Project-I	1	0	2	1	2
10	MNC			UHV-I Mandatory Induction Program	2 Weeks			0	
				TOTAL				18.5	24

	Credits	Hours
HSMC	3	4
BSC	9	10
ESC	5.5	8
PCC		
PEC		
OEC		
PR	1	2
Total	18.5	24

SEMESTER - 2									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Universal Human Values- II: Understanding Harmony	2	1	0	3	3
2	BSC			Engineering Mathematics-II	3	1	0	4	4
3	BSC			Engineering Physics-II	3	0	0	3	3
4	BSC			Engineering Physics-II Lab	0	0	2	1	2
5	ESC	N		Electrical Engineering	3	1	0	4	4
6	ESC	N		Electrical Engineering Lab	0	0	2	1	2
7	ESC			Workshop Practices/Engineering Graphics	0	0	3	1.5	3
8	ESC			Data Structures and Algorithms	3	0	0	3	3
9	ESC			Data Structures and Algorithms Lab	0	0	4	2	4
10	PR			Project-II	0	0	2	1	2
11	HSMC			Professional Communication Practice (AUDIT)	0	1	0	0	1
				TOTAL				23.5	31
Summer Term									
Exit option with UG certificate of Level 5 on successful completion of 40 credits from 2 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.									

	Credits	Hours
HSMC	3	4
BSC	8	9
ESC	11.5	16
PCC		
PEC		
OEC		
PR	1	2

Total 23.5 31

SEMESTER - 3									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Life Skills and Interpersonal Dynamics	2	1	0	3	3
2	BSC			Probability, Statistics and Stochastic Processes	3	0	0	3	3
3	ESC	N		Digital System Design	3	0	0	3	3
4	ESC	N		Digital System Design Lab	0	0	2	1	2
5	PCC	N		Electronic Devices	3	1	0	4	4
6	PCC	N		Electronic Devices Lab	0	0	2	1	2
7	PCC	N		Signals and Systems	3	1	0	4	4
8	PCC	N		Signals and Systems Lab	0	0	2	1	2
9	PCC	N		Verilog HDL Lab	0	0	2	1	2
10	PR			Project-III	0	0	2	1	2
				TOTAL				22	27

	Credits	Hours
HSMC	3	3
BSC	3	3
ESC	4	5
PCC	11	14
PEC		
OEC		
PR	1	2
Total	22	27

SEMESTER - 4									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Finance and Accounts	3	0	0	3	3
2	ESC			Environmental Studies	2	0	0	2	2
3	PCC	N		Analog Circuits	3	1	0	4	4
4	PCC	N		Analog Circuits Lab	0	0	2	1	2
5	PCC	N		FPGA based System Design	3	0	0	3	3
7	PCC	R		Analog and Digital Communication	3	1	0	4	4
8	PCC	R		Analog and Digital Communication Lab	0	0	2	1	2
9	PCC	R		Microprocessors and Microcontrollers	3	0	0	3	3
10	PCC	R		Microprocessors and Microcontrollers Lab	0	0	2	1	2
11	PR			Project-IV	0	0	2	1	2
				TOTAL				23	27

	Credits	Hours
HSMC	3	3
BSC		
ESC	2	2
PCC	17	20
PEC		
OEC		
PR	1	2

Total 23 27

Summer Term	
Exit option with UG Diploma of Level 6 on successful completion of 80 credits from 4 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.	

SEMESTER - 5									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			PR Management and Entrepreneurship	3	0	0	3	3
2	PCC	N		Linux Lab	0	0	2	1	2
3	PCC	N		Introduction to Microfabrication Technology	3	0	0	3	3
4	PCC	R		Digital Signal Processing	3	0	0	3	3
5	PCC	R		Digital Signal Processing Lab	0	0	2	1	2
6	PCC	R		VLSI Design	3	1	0	4	4
7	PCC	N		VLSI Design Lab	0	0	2	1	2
8	PEC			PE-1	3	0	0	3	3
9	PR			Project-V	0	0	4	2	4
				TOTAL				21	26

	Credits	Hours
HSMC	3	3
BSC		
ESC		
PCC	13	16
PEC	3	3
OEC		
PR	2	4
Total	21	26

SEMESTER - 6									
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S. No.					L	T	P		
1	PCC	N		Analog IC Design	3	1	0	4	4
2	PCC	N		Analog IC Design Lab	0	0	2	1	2
3	PCC	N		VLSI Verification &Testing	3	0	0	3	3
4	PCC	N		VLSI Verification &Testing Lab	0	0	2	1	2
5	PEC			PE-2	3	0	0	3	3
6	PEC			PE-3	3	0	0	3	3
7	OEC			OE-1	3	0	0	3	3
8	OEC			OE-2	3	0	0	3	3
9	PR			Project-VI	0	0	4	2	4
10	HSMC			Soft Skills for Professionals (Audit)	0	1	0	Audit	1
				TOTAL				23	28
Summer Term									
Exit option with B.Sc. of Level 7 on successful completion of 120 credits from 6 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.									

	Credits	Hours
HSMC		
BSC		
ESC		
PCC	9	11
PEC	6	6
OEC	6	6
PR	2	4
MNC	0	1

Total 23 28

SEMESTER - 7									
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S. No.					L	T	P		
1	PCC	N		Computer Architecture	3	0	0	3	3
2	PEC			PE-4	3	0	0	3	3
3	PEC			PE-5	3	0	0	3	3
4	OEC			OE-3	3	0	0	3	3
5	OEC			OE-4	3	0	0	3	3
6	PR			Project-VII	0	0	8	4	8
7	HSMC			Indian Constitution	1	0	0	Audit	1
				TOTAL				19	24

	Credits	Hours
HSMC	0	1
BSC		
ESC		
PCC	3	3
PEC	6	6
OEC	6	6
PR	4	8
Total	19	24

SEMESTER - 8									
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S. No.	Option-1				L	T	P		
	PEC			PE-6	3	0	0	3	3
1	OEC			OE-5	3	0	0	3	3
2	OEC			OE-6	3	0	0	3	3
3	PR			Project-VIII	0	0	8	4	8
4				TOTAL				13	17
	OR								
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S.No	Option-2				L	T	P		
	PR			Industrial Internship				13	
1				TOTAL				13	
	OR								
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S. No.	Option-3				L	T	P		
	PEC			PE-6	3	0	0	3	3
1	OEC			OE-5	3	0	0	3	3
2	OEC			OE-6	3	0	0	3	3
3	INT			Industrial	0	0	8	4	8
4				TOTAL				13	17

	Credits	Hours
HSMC		
BSC		
ESC		
PCC		
PEC	3	3
OEC	6	6
PR	4	8
Total	13	17

COURSE CATEGORY-WISE CREDIT BREAKUP		
		Total Credits
Humanities & Social Sciences	HSMC	15
Basic Science	BSC	20
Engineering Science	ESC	23
Professional Core	PCC	53
Professional Elective	PEC	18
Open Elective	OEC	18
Project	PR	16
TOTAL		163
Total Hours		204

Annexure V

Modified Electronics Engineering (VLSI Design and Technology) Degree Curriculum as per suggestions during BoS Meeting

PROPOSED CATEGORY & SEMESTER WISE CREDIT DISTRIBUTION (FINALIZED) ECED (VLSI)

CATEGORY / SEM	HSS	BASIC SC.	ENGG. SC.	PROF. CORE	PROF. ELECTIVE	OPEN ELECTIVE	PROJECT	TOTAL Credits (Hours)
1 SEM	3	9	5.5				1	18.5(24)
2 SEM	3	8	11.5				1	23.5(31)
3 SEM	3	3	4	11			1	21(25)
4 SEM	3		2	17			1	24(29)
5 SEM	3			13	3		2	21(26)
6 SEM				9	6	6	2	23(28)
7 SEM				3	6	6	4	19(24)
8 SEM					3	6	4	13(17)
Total	15	20	23	53	18	18	16	163 (204)

Basic Sc. – Mathematics, Physics & Chemistry.

Engg. Sc. – Engg. Courses offered by one particular department and mandatory to all students irrespective to department.

Note:- Only Credits have been defined under the category / semester. However, No. of Courses in each department should be kept Uniform. If deemed fit, liberty of introduction of Theory Courses / Lab courses within the specified credit limit should be given to the departments.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN									
Course Structure of B.Tech. in Electronics Engineering (VLSI Design & Technology)									
(TOTAL CREDITS - 163) – APPLICABLE FROM- 2024 ADMISSION BATCH									
SEMESTER - 1									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			English	2	0	0	2	2
2	HSMC			English Lab	0	0	2	1	2
3	BSC			Engineering Mathematics-I	3	1	0	4	4
4	BSC			Engineering Physics-I	3	1	0	4	4
5	BSC			Engineering Physics Lab-I	0	0	2	1	2
6	ESC			Engineering Graphics/Workshop Practices	0	0	3	1.5	3
7	ESC			Problem Solving and Programming	3	0	0	3	3
8	ESC			Problem Solving and Programming Lab	0	0	2	1	2
9	PR			Project-I	1	0	2	1	2
10	MNC			UHV-I Mandatory Induction Program	2 Weeks			0	
				TOTAL				18.5	24

	Credits	Hours
HSMC	3	4
BSC	9	10
ESC	5.5	8
PCC		
PEC		
OEC		
PR	1	2
Total	18.5	24

SEMESTER - 2									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Universal Human Values- II: Understanding Harmony	2	1	0	3	3
2	BSC			Engineering Mathematics-II	3	1	0	4	4
3	BSC			Engineering Physics-II	3	0	0	3	3
4	BSC			Engineering Physics-II Lab	0	0	2	1	2
5	ESC	N		Electrical Engineering	3	1	0	4	4
6	ESC	N		Electrical Engineering Lab	0	0	2	1	2
7	ESC			Workshop Practices/Engineering Graphics	0	0	3	1.5	3
8	ESC			Data Structures and Algorithms	3	0	0	3	3
9	ESC			Data Structures and Algorithms Lab	0	0	4	2	4
10	PR			Project-II	0	0	2	1	2
11	HSMC			Professional Communication Practice (AUDIT	0	1	0	0	1
				TOTAL				23.5	31
Summer Term									
Exit option with UG certificate of Level 5 on successful completion of 40 credits from 2 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.									

	Credits	Hours
HSMC	3	4
BSC	8	9
ESC	11.5	16
PCC		
PEC		
OEC		
PR	1	2

Total 23.5 31

SEMESTER - 3									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Life Skills and Interpersonal Dynamics	2	1	0	3	3
2	BSC			Semiconductor Physics	3	0	0	3	3
3	ESC	N		Digital System Design	3	0	0	3	3
4	ESC	N		Digital System Design Lab	0	0	2	1	2
5	PCC	N		Electronic Devices	3	1	0	4	4
6	PCC	N		Electronic Devices Lab	0	0	2	1	2
7	PCC	N		Signals and Systems	3	1	0	4	4
8	PCC	N		Signals and Systems Lab	0	0	2	1	2
9	PR			Project-III	0	0	2	1	2
				TOTAL				21	25

	Credits	Hours
HSMC	3	3
BSC	3	3
ESC	4	5
PCC	10	12
PEC		
OEC		
PR	1	2
Total	21	25

SEMESTER - 4									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			Finance and Accounts	3	0	0	3	3
2	ESC			Environmental Studies	2	0	0	2	2
3	PCC	N		Analog Circuits	3	1	0	4	4
4	PCC	N		Analog Circuits Lab	0	0	2	1	2
5	PCC	N		FPGA Design using Verilog	3	0	0	3	3
6	PCC	N		FPGA Design using Verilog Lab	0	0	2	1	2
7	PCC	R		Analog and Digital Communication	3	1	0	4	4
8	PCC	R		Analog and Digital Communication Lab	0	0	2	1	2
9	PCC	R		Microprocessors and Microcontrollers	3	0	0	3	3
10	PCC	R		Microprocessors and Microcontrollers Lab	0	0	2	1	2
11	PR			Project-IV	0	0	2	1	2
				TOTAL				24	29

	Credits	Hours
HSMC	3	3
BSC		
ESC	2	2
PCC	18	22
PEC		
OEC		
PR	1	2

Total 24 29

Summer Term
Exit option with UG Diploma of Level 6 on successful completion of 80 credits from 4 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.

SEMESTER - 5									
S. No.	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
					L	T	P		
1	HSMC			PR Management and Entrepreneurship	3	0	0	3	3
2	PCC	N		Linux Lab	0	0	2	1	2
3	PCC	N		Introduction to Microfabrication Technology	3	0	0	3	3
4	PCC	R		Digital Signal Processing	3	0	0	3	3
5	PCC	R		Digital Signal Processing Lab	0	0	2	1	2
6	PCC	R		VLSI Design	3	1	0	4	4
7	PCC	N		VLSI Design Lab	0	0	2	1	2
8	PEC			PE-1	3	0	0	3	3
9	PR			Project-V	0	0	4	2	4
				TOTAL				21	26

	Credits	Hours
HSMC	3	3
BSC		
ESC		
PCC	13	16
PEC	3	3
OEC		
PR	2	4
Total	21	26

SEMESTER - 6									
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S. No.					L	T	P		
1	PCC	N		Analog IC Design	3	1	0	4	4
2	PCC	N		Analog IC Design Lab	0	0	2	1	2
3	PCC	N		VLSI Verification &Testing	3	0	0	3	3
4	PCC	N		VLSI Verification &Testing Lab	0	0	2	1	2
5	PEC			PE-2	3	0	0	3	3
6	PEC			PE-3	3	0	0	3	3
7	OEC			OE-1	3	0	0	3	3
8	OEC			OE-2	3	0	0	3	3
9	PR			Project-VI	0	0	4	2	4
10	HSMC			Soft Skills for Professionals (Audit)	0	1	0	Audit	1
				TOTAL				23	28
Summer Term									
Exit option with B.Sc. of Level 7 on successful completion of 120 credits from 6 semesters and additional 6 credits from an Internship or Skill-based courses in the summer term.									

	Credits	Hours
HSMC		
BSC		
ESC		
PCC	9	11
PEC	6	6
OEC	6	6
PR	2	4
MNC	0	1
Total	23	28

SEMESTER - 7									
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S. No.					L	T	P		
1	PCC	N		Computer Architecture	3	0	0	3	3
2	PEC			PE-4	3	0	0	3	3
3	PEC			PE-5	3	0	0	3	3
4	OEC			OE-3	3	0	0	3	3
5	OEC			OE-4	3	0	0	3	3
6	PR			Project-VII	0	0	8	4	8
7	HSMC			Indian Constitution	1	0	0	Audit	1
				TOTAL				19	24

	Credits	Hours
HSMC	0	1
BSC		
ESC		
PCC	3	3
PEC	6	6
OEC	6	6
PR	4	8
Total	19	24

SEMESTER - 8									
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S. No.	Option-1				L	T	P		
	PEC			PE-6	3	0	0	3	3
1	OEC			OE-5	3	0	0	3	3
2	OEC			OE-6	3	0	0	3	3
3	PR			Project-VIII	0	0	8	4	8
4				TOTAL				13	17

	OR								
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S.No	Option-2				L	T	P		
	PR			Industrial Internship				13	
1				TOTAL				13	

	OR								
	Course Category	R/N	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
S. No.	Option-3				L	T	P		
	PEC			PE-6	3	0	0	3	3
1	OEC			OE-5	3	0	0	3	3
2	OEC			OE-6	3	0	0	3	3
3	INT			Industrial	0	0	8	4	8
4				TOTAL				13	17

--

	Credits	Hours
HSMC		
BSC		
ESC		
PCC		
PEC	3	3
OEC	6	6
PR	4	8

Total1317

COURSE CATEGORY-WISE CREDIT BREAKUP		
		Total Credits
Humanities & Social Sciences	HSMC	15
Basic Science	BSC	20
Engineering Science	ESC	23
Professional Core	PCC	53
Professional Elective	PEC	18
Open Elective	OEC	18
Project	PR	16
TOTAL		163
Total Hours		204

Department of Humanities and Social Sciences

A meeting of Board of Studies (BOS) of the **Department of Humanities and Social Sciences** was held as per the following schedule:

Meeting Name:	Board of Studies – Department of Humanities and Social Sciences		
Date of Email Sent:	Sept 08, 2023	Time:	--
Chairman:	Dr. Amit Srivastava	Mode:	Hybrid

1. Objective:

Item No. 1 : To approve the PhD Courses for research scholars in the area of English and HR.

2(a). BOS Members: The following responded to the mail

Dr. Amit Srivastava	Chairman
Dr. Neena Jindal	Member Coordinator
Prof. (Dr.) Anupriya Kaur	Member-1
Dr. Tanu Sharma	Member-2
Dr. Deler Singh	Member-3
Prof. (Dr.) Sunil Kumar Khah	Member-4
Dr. Vikas Baghel	Member-5 (IQAC Representative, JUIT)
Dr. Kamal Kumar (HoD) HSS IIT Ropar	External Member-1 (Academic)
Mr. Neelabh Singh	External Member-2 (Industry/R&D)
Ms. Ana Agarwal	External Member-3 (Alumni)

2(b). Leave of Absence: NIL

3. Action Items / Instructions: Following decisions were taken/approved by the members of BoS.

Item:1 : To approve the New courses for PhD, offered by the HSS department

1. Disaster Risk Reduction (HR) (23PIWHS101)
2. Essentials of Academic Writing (English) (23PIWHS102)
3. Contemporary Literary Theory (English) (23PIWHS103)
4. Studying Gender Through Literature (English) (23PIWHS104)

Dr. Kamal has suggested to mention the text books to the course: Disaster Risk Reduction

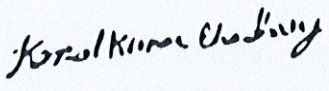
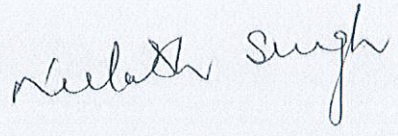
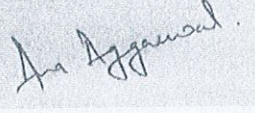
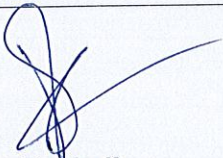
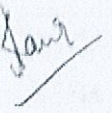

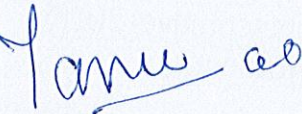

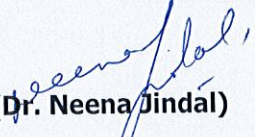


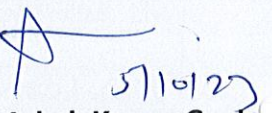
The same has been approved.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

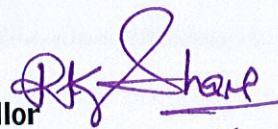
No other suggestions were received from any other member. All other members have approved the same, as proposed.

ATTACH SIGNED ATTENDANCE SHEET

 (Dr. Kamal Kumar Choudhary)	 (Mr. Neelabh Singh)	 (Ms. Ana Aggarwal)
 (Dr. Vikas Baghel)	 (Prof. (Dr.) Anupriya Kaur)	 (Prof. (Dr.) Sunil Kumar Khah)
 (Dr. Tanu Sharma)	 (Dr. Deler Singh)	 (Dr. Neena Jindal) BOS Coordinator, HSS
 (Dr. Amit Srivastava) Chairman BOS, HSS	 (Prof. (Dr.) Ashok Kumar Gupta) Dean (A&R)	 (Prof. (Dr.) Ashok Kumar Gupta) Dean (A&R)

Approved / ~~Not Approved~~

Vice Chancellor



Note: Signed copy of Agenda and MoM of BoS with all annexure should be forwarded to IQAC for record.



Neena Jindal <neena.jindal@juitsolan.in>

BOS Agenda for approval

10 messages

Neena Jindal <neena.jindal@juitsolan.in>

8 September 2023 at 10:09

To: Ana Aggarwal <aggarwal.ana@gmail.com>, Neelabh SINGH <neelabh.singh@st.com>, kamal@iitpr.ac.in
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Members,

Greetings for the day.

Agenda

New courses for PhD are introduced that are:

1. Disaster Risk Reduction
2. Essentials of Academic writing
3. Contemporary Literary Theory
4. Studying Gender Through Literature


I would request you to kindly approve the outlines (or suggestions if any) and revert to this mail as confirmation.

Curriculum is attached with the mail.


Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

4 attachments

9/20/23, 4:13 PM

 Disaster Risk Reduction.docx


28K

 Contemporary Literary Theory (2).pdf

623K

 Course on Gender Studies.pdf

612K

 Academic Writing.pdf

711K

13 September 2023 at 10:21

Neelabh SINGH <neelabh.singh@st.com>

To: Neena Jindal <neena.jindal@juitsolan.in>, Ana Aggarwal <aggarwal.ana@gmail.com>, "kamal@iitrpr.ac.in" <kamal@iitrpr.ac.in>

Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Neena,

Due to medical issues and other unavoidable constraints, I have been unable to respond till now.

My apologies for the delay.

Please let me know latest by when I can share my inputs.

Thanks and regards,

Neelabh

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]

Mobile Number:9318785766

ST Restricted

13 September 2023 at 16:00

Neena Jindal <neena.jindal@juitsolan.in>

To: Neelabh SINGH <neelabh.singh@st.com>

Dear Sir

thread-a:r7590280606540342470&siml=msg-a:r-33077792 35887214&siml=msg-a:r7366921981391106478&siml=msg-f:1777 ... 2/6

9/20/23, 4:13 PM

Jaypee University of Information Technology Mail - BOS Agenda for approval

ST Restricted

15 September 2023 at 11:50

Neena Jindal <neena.jindal@juitsolan.in>
To: Neelabh SINGH <neelabh.singh@st.com>
Cc: Ana Aggarwal <aggarwal.ana@gmail.com>, kamal@iitrpr.ac.in, Amit Srivastava <amit.srivastava@juitsolan.in>

Dear sir
Thanks a lot.
[Quoted text hidden]

16 September 2023 at 12:19

Neena Jindal <neena.jindal@juitsolan.in>
To: Ana Aggarwal <aggarwal.ana@gmail.com>, Neelabh SINGH <neelabh.singh@st.com>, kamal@iitrpr.ac.in
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

Dear All

We have received the reply from Mr. Neelabh regarding the courses. It is a gentle reminder to please give your consent for the same by Monday i.e. 18th of September 2023

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

[Quoted text hidden]

19 September 2023 at 19:09

Ana Aggarwal <aggarwal.ana@gmail.com>
To: Neena Jindal <neena.jindal@juitsolan.in>
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Ma'am,
OK from my side
Regards
[Quoted text hidden]
--
Ana Aggarwal

19 September 2023 at 19:57

Neena Jindal <neena.jindal@juitsolan.in>
To: Ana Aggarwal <aggarwal.ana@gmail.com>

<https://mail.google.com/mail/u/0/?ik=e2960d2c42&view=pt&search=all&permthid=thread-a.r7590280606540342470&simpl=msg-a.r-3307779298635887214&simpl=msg-a.r7366921981391106478&simpl=msg-f:1777...> 4/6

9/20/23, 4:13 PM

Jaypee University of Information Technology Mail - BOS Agenda for approval

Greetings for the day
Please share your inputs in a day or two as consent is required for the courses by BOS members.
our wishes for your health,

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

[Quoted text hidden]

15 September 2023 at 11:39

Neelabh SINGH <neelabh.singh@st.com>
To: Neena Jindal <neena.jindal@juitsolan.in>, Ana Aggarwal <aggarwal.ana@gmail.com>, "kamal@iitrpr.ac.in" <kamal@iitrpr.ac.in>
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Neena Ji,
It's ok for me.

Thanks and Regards,
Neelabh

From: Neena Jindal <neena.jindal@juitsolan.in>
Sent: Friday, September 8, 2023 10:10 AM
To: Ana Aggarwal <aggarwal.ana@gmail.com>; Neelabh SINGH <neelabh.singh@st.com>; kamal@iitrpr.ac.in
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>
Subject: BOS Agenda for approval

Dear Members,

[Quoted text hidden]
[Quoted text hidden]

Mobile Number: 9318785766

Thanks dear Ana
[Quoted text hidden]

Kamal Kumar Choudhary <kamal@iitrpr.ac.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Ana Aggarwal <aggarwal.ana@gmail.com>, Neelabh SINGH <neelabh.singh@st.com>, Amit Srivastava <amit.srivastava@juitsolan.in>

20 September 2023 at 16:12

Dear Neenaji,

The proposed courses look good to me. For the course 'Disaster Risk Reduction', only reference books are mentioned. I think some text books should be mentioned.
Rest is fine for me.

Thanks and best wishes,
Kamal

[Quoted text hidden]

Dr. Kamal Kumar Choudhary

Associate Professor

Department of Humanities and Social Sciences

Indian Institute of Technology Ropar

Nangal Road, Rupnagar-140001, Punjab, India

Phone: 0091-1881-242172

Mobile: 0091-8699449269

Email: kamal@iitrpr.ac.in/ kchoudhary1@gmail.com

Skype id: kchoudhary1

Website: <http://www.iitrpr.ac.in/humanities/kamal>

Lab Webpage: <https://sites.google.com/site/iitrprcl/>

ORCID ID: <http://orcid.org/0000-0002-0232-0003>

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Neena Jindal <neena.jindal@juitsolan.in>

To: Kamal Kumar Choudhary <kamal@iitrpr.ac.in>

Cc: Ana Aggarwal <aggarwal.ana@gmail.com>, Neelabh SINGH <neelabh.singh@st.com>, Amit Srivastava <amit.srivastava@juitsolan.in>

20 September 2023 at 16:12

Dear All

Thanks for your feedback.

Thanks and regards
Dr. Neena Jindal
Assistant Professor

9/20/23, 4:13 PM

Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

[Quoted text hidden]

Jaypee University of Information Technology Mail - BOS Agenda for approval



Neena Jindal <neena.jindal@juitsolan.in>

BOS agenda for approval

10 messages

21 September 2023 at 14:44

Neena Jindal <neena.jindal@juitsolan.in>

To: Anupriya Kaur <anupriya.kaur@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>,

Vikas Baghel <vikas.baghel@juitsolan.in>

Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Members,

Greetings for the day.

Agenda

New courses for PhD are introduced that are:

1. Disaster Risk Reduction
2. Essentials of Academic writing
3. Contemporary Literary Theory
4. Studying Gender Through Literature

I would request you to kindly approve the outlines (or suggestions if any) and revert to this mail as confirmation.

Curriculum is attached with the mail.

Thanks and regards

Dr. Neena Jindal

Assistant Professor

Department of Humanities and Social Sciences

Jaypee University of Information Technology,

Waknaghat, Solan (HP) 173234

Mobile Number: 9318785766

10/5/23, 2:55 PM

 bos courses for approval.zip

1825K

25 September 2023 at 10:51

Deler Singh <del.singh@juitsolan.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Anupriya Kaur <anupriya.kaur@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Please go ahead.

[Quoted text hidden]

25 September 2023 at 10:59

Sunil Kumar Khah <sunil.khah@juitsolan.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Dear Neena

please treat this mail as my consent

rgds

Prof.Sunil Kumar Khah

Controller of Examinations & Incharge IQAC

Jaypee University of Information Technology, Waknaghat.

Distt. Solan (H.P)

Pin:173 215

Phone: (O)91-1792-239221

(Direct)257999(ext-221)

(R)91-1792-224229

(Cell) 9816975754

Fax:91-1792-245362

[Quoted text hidden]

25 September 2023 at 17:31

Vikas Baghel <vikas.baghel@juitsolan.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Anupriya Kaur <anupriya.kaur@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Deler Singh <del.singh@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

It seems OK to me, please go ahead.


Suggestion: Paper links mentioned in the **course contents** may be listed separately under the new heading **Other useful resource(s)**.

On Thu, 21 Sept 2023 at 14:48, Neena Jindal <neena.jindal@juitsolan.in> wrote:

[Quoted text hidden]

10/5/23, 2:55 PM

Jaypee University of Information Technology Mail - BOS agenda for approval

 **bos courses for approval.zip**

1825K

25 September 2023 at 10:51

Deler Singh <delser.singh@juitsolan.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Anupriya Kaur <anupriya.kaur@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Please go ahead.

[Quoted text hidden]

25 September 2023 at 10:59

Sunil Kumar Khah <sunil.khah@juitsolan.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Dear Neena

please treat this mail as my consent

rgds

Prof.Sunil Kumar Khah

Controller of Examinations & Incharge IQAC

Jaypee University of Information Technology, Wagnaghat.

Distt. Solan (H.P)

Pin:173 215

Phone: (O)91-1792-239221

(Direct)257999(ext-221)

(R)91-1792-224229

(Cell) 9816975754

Fax:91-1792-245362

[Quoted text hidden]

25 September 2023 at 17:31

Vikas Baghel <vikas.baghel@juitsolan.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Anupriya Kaur <anupriya.kaur@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Delser Singh <delser.singh@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

It seems OK to me, please go ahead.

Suggestion: Paper links mentioned in the **course contents** may be listed separately under the new heading **Other useful resource(s)**.

On Thu, 21 Sept 2023 at 14:48, Neena Jindal <neena.jindal@juitsolan.in> wrote:

[Quoted text hidden]

10/5/23, 2:55 PM

Jaypee University of Information Technology Mail - BOS agenda for approval

Dr. Vikas Baghel
Assistant Professor (Senior Grade)
Department of Electronics & Communication Engineering
Jaypee University of Information Technology
Waknaghat, Distt-Solan 173 234
Himachal Pradesh India
Phone: 01792-239268 (O)
Mobile: 9878330166
Alternate Email: vikas.baghel@juit.ac.in

26 September 2023 at 10:29

Neena Jindal <neena.jindal@juitsolan.in>

To: Vikas Baghel <vikas.baghel@juitsolan.in>

Cc: Anupriya Kaur <anupriya.kaur@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Dr. Anupriya and Dr. Tanu

It is a gentle reminder
Please send your reply via mail

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

[Quoted text hidden]

26 September 2023 at 10:41

Tanu Sharma <tanu.sharma@juitsolan.in>
To: Neena Jindal <neena.jindal@juitsolan.in>

please let me know what reply you need
[Quoted text hidden]

26 September 2023 at 10:50

Neena Jindal <neena.jindal@juitsolan.in>
To: Tanu Sharma <tanu.sharma@juitsolan.in>

Dear Dr. Tanu

10/5/23, 2:55 PM

Your consent or suggestions (if any) regarding the courses that are attached, is required.

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

[Quoted text hidden]

28 September 2023 at 12:33

Neena Jindal <neena.jindal@juitsolan.in>
To: Vikas Baghel <vikas.baghel@juitsolan.in>
Cc: Anupriya Kaur <anupriya.kaur@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Dr. Anupriya and Dr. Tanu

Agenda

New courses for PhD are introduced that are:

1. Disaster Risk Reduction
2. Essentials of Academic writing
3. Contemporary Literary Theory
4. Studying Gender Through Literature

Course outline is attached.

I would request you to kindly approve the outlines (or suggestions if any)


It is a gentle reminder
Kindly send your reply via mail.

Thanks and regards
Dr. Neena Jindal

10/5/23, 2:55 PM

Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

[Quoted text hidden]

 **bos courses for approval.zip**

1825K

28 September 2023 at 14:29

Tanu Sharma <tanu.sharma@juitsolan.in>
To: Neena Jindal <neena.jindal@juitsolan.in>
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>

Approved.
Plz proceed forward

Dr Tanu

[Quoted text hidden]

28 September 2023 at 14:36

Neena Jindal <neena.jindal@juitsolan.in>
To: Tanu Sharma <tanu.sharma@juitsolan.in>
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>

Thank you.

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

[Quoted text hidden]

Disaster Risk Reduction

COURSE CODE:

COURSE CREDITS: 3

CORE/ELECTIVE: CORE

L-T-P: 3-0-0

Pre-requisite: None

Course Objectives:

1. The primary objective of this course is to equip students with a deep understanding of the nature and dynamics of disasters, including their causes, impact, and the factors that contribute to vulnerability.
2. This course aims to empower the knowledge and skills required for effective disaster mitigation planning and policy development at various levels, including local, state, and central levels.
3. One of the key objectives of this course is to enable participants to plan and execute emergency response strategies efficiently.
4. This course aims to instill a comprehensive perspective on disaster recovery, rebuilding, and rehabilitation.
5. Learn strategies for integrating Disaster Risk Reduction (DRR) into various aspects, understand resilience, and explore historical framework.

Course Outcomes:

S.No	Course Outcomes	Level of Attainment
CO-1	Understand the basic concept of disaster planning, vulnerability reduction, and mitigation policies	Familiarity
CO-2	Assessment of various disaster management strategies, policies, and frameworks	Assessment
CO-3	Assessment of post-disaster recovery and rehabilitation planning	Assessment
CO-4	Knowledge to develop strategies for resilience, emergency response, and recovery.	Usage

Course Contents:

Unit	Contents	Lectures required
1	Hazard and Disasters: Disaster planning and vulnerability reduction, understanding Vulnerability, Nature of Vulnerability, Disaster Mitigation Policies and planning	3

Approved in Academic Council held on June 28, 2023

2	Mitigation Planning and Policy Strategies: Mitigation Planning and Policy Strategies: Local, State and Central level, Disaster Management Act 2005, Institutions of governance NDMA, SDMA ,NIDM , National and state Disaster Management Plans, Mapping Vulnerability,(Social , Economic and Political vulnerabilities) Approaches to Preparedness and Planning.	8
3	Hazard and Risk Reduction Strategies: Mainstreaming DRR, Objectives of Disaster Risk Reduction, Understanding Resilience, Hyogo and Sendai framework for action and its History (Yokohama Strategy), Resilience linking vulnerability, Disaster Risk Reduction and Disaster Recovery Community and National Level.	6
4	Planning for Emergency Management, Communication and risk Management (Policies & Planning), Disaster Response: Planning for Response- Emergency Planning, supporting Emergency Response, Operations using Geo-Spatial Technologies, collaboration & coordination in Emergency Response Planning & Management with various institutions- local, communities, NCC, NDRF, Armed Forces, Government Departments, NGOs- case studies.	8
5	Disaster Recovery, Rebuilding & Rehabilitation: Recovery Time- frames and differential recovery rates, long-term Recovery, Post disaster Recovery Planning & Reconstruction, Post Disaster Housing & Habitat Planning, and Rights- based approach to disaster rehabilitation.	6

Suggested Reference Books:

1. Birkland, Thomas.2006.Lessons of Disaster: Policy change after Catastrophic Events, Washington, D.C.: Georgetown University Press.
2. Burby, Raymond (Ed.).1998. Cooperating with Nature: Confronting natural hazards with land –use planning for sustainable communities, Joseph Henry Press.
3. Drabek, Thomas.2010.The Human side of Disaster. Taylor and Francies.
4. Florida Department of Community Affairs.2010. Post – Disaster Redevelopment Planning: Guide for Florida Communities.
5. Disaster Administration and Management, Text & Case studies- SL, Goel-Deep and Deep Publications
6. Disaster Management- G.K Ghosh-A.P.H. Publishing Corporation
7. Disaster management – S.K.Singh, S.C. Kundu, Shobha Singh A – 119, William Publications, New Delhi.
8. Disaster Management – Vinod K Sharma- NIDM, New Delhi
9. Disaster Risk Reduction in South Asia- by Pradeep Sahni - Prentice – Hall of India
10. Disaster Mitigation and Management Post – Tsunami Perspectives P, Jagadish Gandhi
11. Disaster Mitigation – Experiences and reflections – By Pradeep sahani - Prentice – Hall of India
12. Alexander David, Introduction in 'Confronting Catastrophe', Oxford University Press, 2000

13. Andharia J. Vulnerability in Disaster Discourse, JTCDM, Tata Institute of Social Sciences Working Paper no. 8, 2008
14. Blaikie, P, Cannon T, Davis I, Wisner B 1997. At Risk Natural Hazards, Peoples' Vulnerability and Disasters, Rutledge.
15. Coppola P Damon, 2007. Introduction to International Disaster Management, Carter, Nick 1991. Disaster Management: A Disaster Manager's Handbook. Asian Development Bank, Manila Philippines.

Web sites and Web Resources:

1. NIDM Publications at <http://nidm.gov.in>- Official Website of National Institute of Disaster Management (NIDM), Ministry of Home Affairs,
2. Government of India <http://cwc.gov.in>, <http://ekdrm.net>, <http://www.emdat.be>, <http://www.nws.noaa.gov>, <http://pubs.usgs.gov>, <http://nidm.gov.in>, <http://www.imd.gov.in>

Evaluation Scheme:

S. No	Exam	Marks	Duration	Coverage / Scope of Examination
1	T-1	15	1 Hour.	Syllabus covered upto T-1
2	T-2	25	1.5 Hours	Syllabus covered upto T-2
3.	T-3	35	2 Hours	Entire Syllabus
4.	Teaching Assessment	25	Entire Semester	Assignment (2) - 10 Quizzes(2) -10 Attendance - 5

Course Outcomes (COs) contribution to the Programme Outcomes (POs)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	Average
CO1	3	3	2	2	3	3	3	3	2.8
CO2	3	3	2	2	2	3	2	3	2.5
CO3	3	3	2	2	3	3	2	3	2.6
CO4	3	3	3	3	3	3	3	3	3.0
Average	3	3	2.3	2.3	2.8	3	2.5	3	2.7

ESSENTIALS OF ACADEMIC WRITING

COURSE CODE:
COURSE CREDITS: 3
CORE/ELECTIVE: CORE
L-T-P: 3-0-0

Pre-requisite: None

Course Objectives:

1. The course aims to introduce students to the nuances of reading and writing skills.
2. The course will primarily focus on training students in the art of academic writing.
3. The course will also focus on making students read, write and critically evaluate various literary works.

Course Outcomes:

S. No	Course Outcomes	Level of Attainment
CO-1	Make students understand the concepts of effective reading and writing.	Familiarity
CO-2	Enable students to write and assess literary documents with clarity of expression and appropriate language.	Assessment and Usage
CO-3	Enable students to write effective research papers and articles.	Assessment and Usage

Course Contents:

Unit	Contents	Lectures required
1	Introduction to Academic Writing: i) Introduction: Nomenclature, Emergence of the Field, Common/Working Vocabulary ii) Art of Academic Writing: Bloom's Taxonomy of Cognitive Skills iii) Types of Academic Writing: Research Proposal, Research Paper, Ph. D. Dissertation, Book Review iv) Karen I. Spear: "Thinking and Writing: A Sequential Curriculum for Composition." <i>Journal of Advanced Composition</i> , 1983, vol. 4 (1983), pp. 47-63. https://www.jstor.org/stable/20865534 v) Robert Parker: "Language across the Curriculum" Movement: A Brief Overview and Bibliography." <i>College Composition and Communication</i> , May, 1985, vol. 36, no. 2, <i>Writing in the Academic and Professional Disciplines: Bibliography Theory Practice</i> Preparation of Faculty (May, 1985), pp. 173-177. https://www.jstor.org/stable/357438	10

2	Reading i) Conceptualizing Reading: Definitions, Readers, Reading ii) Reading and Meaning Generation: Reflection, Self-reflection, Evaluation, Interpretation iii) Reading Different Kinds of Passages iv) Digital Reading: Screen Reading v) Naomi S. Baron: "Redefining Reading: The Impact of Digital Communication Media." <i>PMLA</i> , vol. 128, no. 1 (January 2013), pp. 193-200. https://www.jstor.org/stable/23489277 vi) Norman Fairclough: <i>Critical Discourse Analysis: The Critical Study of Language</i> , Longman, 1995. https://www.felsemiotica.com/descargas/Fairclough-Norman-Critical-Discourse-Analysis.-The-Critical-Study-of-Language.pdf	5
3	Writing: Coherence and Cohesion (Discourse Level) i) Introduction: Identifying effective and ineffective writing styles ii) Macrofeatures iii) Microfeatures iv) Exercises to test Structure, Flow and Sequencing	5
4	Research Writing i) Getting started: Writing a Paragraph/Short Critical Composition ii) Writing a Research Proposal/ Article/Funding Application: Giving Apt Title, Writing Abstract, Analysing the Text/Data, Writing a Funding Application. iii) Fundamentals of Dissertation Writing: Using the MLA Style Sheet, Citation, Quotation, Plagiarism, Revision and Editing. iv) <i>MLA Handbook</i> (9th Ed.) by The Modern Language Association of America. v) Rob Schnelle: "Taking the Pulse of the Essay." <i>Writing on the Edge</i> , vol. 19, no. 2, Spring 2009, pp. 79-84. https://www.jstor.org/stable/43157305 vi) Steven Pinker: <i>The Sense of Style: The Thinking Person's Guide to Writing in the 21st Century</i> . Penguin Books, 2014.	8
Total lectures		28

Suggested Text Book(s):

Eric Hayot: *The Elements of Academic Style: Writing for the Humanities*, Columbia University Press, 2014.
Diane Pecorari: *Academic Writing and Plagiarism: A Linguistic Analysis*, Continuum, 2008.

Suggested Reference Book(s):

1. Sylvan Barnet, et al: *Literature for Composition: Essays, Fiction, Poetry and Drama*, Longman, 2000.
2. Renu Gupta: *A Course in Academic Writing*, Orient Blackswan, 2017.
3. Diane H. Tracey & Lesley Mandel Morrow: *Lenses on Reading: An Introduction to Theories and Models*, The Guilford Press, 2006.

Evaluation Scheme:

S. No	Exam	Marks	Duration	Coverage / Scope of Examination
1	T-1	15	1 Hour.	Syllabus covered up to T-1
2	T-2	25	1.5 Hours	Syllabus covered up to T-2
3.	T-3	35	2 Hours	Entire Syllabus
4.	Teaching Assessment	25	Entire Semester	Assignment

Course Outcomes (COs) contribution to the Programme Outcomes (POs)

Course outcomes	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	Average
CO-1	1	3	3	3	1	2	3	3	3	3	1	3	2.4
CO-2	1	2	3	2	1	1	2	3	3	3	1	3	2
CO-3	1	1	3	2	2	2	1	2	3	3	1	3	2
Average	1	2	3	2.3	1.3	1.6	2	2.6	3	3	1	3	2

STUDYING GENDER THROUGH LITERATURE

COURSE CODE:
COURSE CREDITS: 3
CORE/ELECTIVE: CORE
L-T-P: 3-0-0

Pre-requisite: None

Course Objectives:

1. The course aims to introduce students to the historical, cultural and social influences on gender identity, roles and norms.
2. The course will focus on how various aspects of identity such as race, class and sexuality intersect with gender, leading to complex unique experiences.
3. The course will also study gender representations in literature and media that affect societal perceptions of gender.

Course Outcomes:

S. No	Course Outcomes	Level of Attainment
CO-1	To introduce students to the historical, cultural and social influences on gender identity, roles and norms	Familiarity
CO-2	Enable students to analyze various aspects of identity such as race, class and sexuality that intersect with gender, leading to complex unique experiences	Assessment and Usage
CO-3	Enable students to understand and analyze gender representations in literature and media and their impact on societal perceptions of gender.	Assessment and Usage

Course Contents:

Unit	Contents	Lectures required
1	Gender Theory and Key Concepts: i) Gender and Sex- Cultural vs Biological ii) Gender Roles and Performativity iii) Heteropatriarchal Normativity Butler, J. (1988). Performative acts and gender constitution: An essay in phenomenology and feminist theory. Theatre journal, 40(4), 519-531. West, C., & Zimmerman, D. H. (1987). Doing Gender. Gender and Society, 1(2), 125-151.	6
2	Literature and Gender: Feminist Writings: i) The Madwoman in the Attic: The Woman Writer and the Nineteenth-Century Literary Imagination ii) "Draupadi" by Mahashweta Devi iii) A Room of One's Own by Virginia Woolf iv) Poems of Kamala Das v) Songs of Draupadi by Ira Mukhoty.	8

3	Gender in Cinema and Advertisement: i) Phallocentrism ii) Male Gaze iii) Advertisement and 'Role-Model' Housewives iv) Female Gaze Mulvey, L. (1975). Visual Pleasure and Narrative Cinema. Screen, 16(1), 6-18. Das, M. (2011) Gender Role Portrayals in Indian Television Ads. Sex Roles, 64 (3-4), 208-222. Dirse, Z. (2013). Gender in cinematography: Female gaze (eye) behind the camera. Journal of Research in Gender Studies, 3(1), 15-29. Mehta, D. (1996). Fire. Zeitgeist Films Rayka Zehtabachi (2018). Period. End of Sentence.	4
4	Queer Theory, Perspectives, and Writings: i) Developments in Queer Theory ii) Key Concerns of Sexuality in Modern Times iii) Queer writings from India iv) Understanding Race and Sexuality in Literature Hames-Garcia, M. (2011). "Queer Theory Revisted". In Gay Latino Studies: A Critical Reader. Duke University Press John, M E, & Nair, J. (1999). "Sexuality in Modern India: Critical Concerns" Voices for Change, 3(1), 4-8. Vania, R, & Kidwai, S.(2008). Same Sex Love in India: A Literary History. Penguin Random House.	6
5	Gender, Caste, and Social Institutions: i) Caste Patriarchy ii) Intersecting Marginalities and Power Structures iii) Marriage, Kinship and Religious Institutions Bhasin, K. (2005). Understanding Gender. Women Unlimited Rege, S. (2006). Writing Caste/Writing Gender: Narrating Dalit Women's Testimonios, Zubaan	4
Total lectures		28

Suggested Text Book(s):

1. C. Gupta: *The Gender of Caste: Representing Dalits in Print*, Permanent Black, 2016.
2. D. Scott: *Extravagant Abjection: Blackness, Power, and Sexuality in the African American Literary Imagination*, New York University Press, 2010.
3. Judith Butler: *Gender Trouble*, Taylor and Francis, 2002.

Suggested Reference Book(s):

1. L. Goodman: *Literature and Gender*, Routledge, 1996.
2. P. Kumar: *Sexuality, Abjection and Queer Existence in Contemporary India*, Routledge, 2022.

Evaluation Scheme:

S. No	Exam	Marks	Duration	Coverage / Scope of Examination
1	T-1	15	1 Hour.	Syllabus covered up to T-1
2	T-2	25	1.5 Hours	Syllabus covered up to T-2
3.	T-3	35	2 Hours	Entire Syllabus
4.	Teaching Assessment	25	Entire Semester	Assignment

Course Outcomes (COs) contribution to the Programme Outcomes (POs)

Course outcomes	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	Average
CO-1	1	3	3	3	1	2	3	3	3	3	1	3	2.4
CO-2	1	2	3	2	1	1	2	3	3	3	1	3	2
CO-3	1	1	3	2	2	2	1	2	3	3	1	3	2
Average	1	2	3	2.3	1.3	1.6	2	2.6	3	3	1	3	2

CONTEMPORARY LITERARY THEORY

COURSE CODE:

COURSE CREDITS: 3

CORE/ELECTIVE: CORE

L-T-P: 3-0-0

Pre-requisite: None

Course Objectives:

1. The course aims to expose students to recent developments, key concepts and debates in literary and cultural theory.
2. The course will equip students with a range of critical and analytic vocabulary.
3. It will enable them to develop effective and informed approaches to interpreting literary texts.

Course Outcomes:

S. No	Course Outcomes	Level of Attainment
CO-1	To make students understand and learn the key concepts in literary and cultural theory	Familiarity
CO-2	To equip students with a range of critical and analytic vocabulary	Assessment and Usage
CO-3	To enable students to develop effective and informed approaches to interpreting literary texts	Assessment and Usage

Course Contents:

Unit	Contents	Lectures required
1	Structuralism and Post Structuralism: i) Theoretical differences between structuralism and post-structuralism ii) The scope of structuralism iii) The scope of post structuralism Michel Foucault: "What is an author?" <i>Essential Works of Foucault, 1954-1984. Volume II: Aesthetics, Method, and Epistemology</i> , edited by James D. Faubion, translated by Robert Hurley and others, The New Press, 1998, pp. 205-222. https://www.open.edu/openlearn/pluginfile.php/624849/mod_resource/content/1/a840_1_michel_foucault.pdf	4
2	Post Modernism: i) The meaning and scope of post modernism ii) 'Landmarks' in postmodernism: Habermas, Lyotard Fredric Jameson: "Postmodernism, or the Cultural Logic of Late Capitalism." <i>Postmodernism, Or, The Cultural Logic of Late Capitalism</i> [1989]. Duke UP, 1991, pp. 53-92.	4

3	Psychoanalytic Criticism: i) The scope of psychoanalytic criticism ii) Landmarks in psychoanalytic criticism: Freud and Lacan Jacques Lacan: "The Mirror Stage as Formative of the <i>I</i> Function." <i>Jacques Lacan Ecrits</i> . The First Complete Edition in English, translated by Bruce Fink, W. W. Norton and Company, 2006, pp. 75-81.	4
4	Post Colonial Criticism: i) Background of post colonial criticism ii) The scope of post colonial criticism Frantz Fanon: "The Fact of Blackness." <i>Black Skin White Masks</i> [1952]. Pluto Press, 2017, pp. 82-108. Gayatri C. Spivak: "Can the Subaltern Speak?" <i>Can the Subaltern Speak?</i> VerlagTuria, 2008, pp. 66-111	8
5	Feminist Criticism i) Feminism and Feminist criticism ii) Feminist criticism and role of theory iii) Feminist criticism and role of theory Judith Butler: "Subjects of Sex/ Gender/ Desire". <i>Gender Trouble: Feminism and the Subversion of Identity</i> . Routledge, 2011, pp. 1-46. Gayle S. Rubin: "Thinking Sex." <i>Deviations: A Gayle Rubin Reader</i> , Duke Univ. Press, 2011, pp. 137-181.	8
Total lectures		28

Suggested Text Book(s):

1. Leela Gandhi: *Postcolonial Theory: A Critical Introduction*, Routledge, 2020.
2. Judith Lorber, , Kathy Davis, and Mary Evans: *Handbook of Gender and Women's Studies*, Sage Publications, 2006.
3. Robert Spencer and Ansatasia Valassopoulos: *Postcolonial Locations: New Issues and Directions in Postcolonial Studies*, Routledge, 2020.
4. James Williams: *Understanding Poststructuralism*, Taylor & Francis, 2014.

Suggested Reference Book(s):

1. Bill Ashcroft, Gareth Griffiths, and Helen Tiffin: *The Postcolonial Studies Reader*, Routledge, 1995.
2. Judith Butler: *Bodies That Matter: On the Discursive Limits of "Sex"*, Routledge, 2014.
3. Frantz Fanon: *The Wretched of the Earth*, Penguin Books, 1963.
4. Michel Foucault: *The Foucault Reader*, Penguin Books, 1991.

Evaluation Scheme:

S. No	Exam	Marks	Duration	Coverage / Scope of Examination
1	T-1	15	1 Hour.	Syllabus covered up to T-1
2	T-2	25	1.5 Hours	Syllabus covered up to T-2
3.	T-3	35	2 Hours	Entire Syllabus
4.	Teaching Assessment	25	Entire Semester	Assignment

Course Outcomes (COs) contribution to the Programme Outcomes (POs)

Course Outcomes	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	Average
CO-1	1	3	3	3	1	2	3	3	3	3	1	3	2.4
CO-2	1	2	3	2	1	1	2	3	3	3	1	3	2
CO-3	1	1	3	2	2	2	1	2	3	3	1	3	2
Average	1	2	3	2.3	1.3	1.6	2	2.6	3	3	1	3	2

Department of Humanities and Social Sciences

A meeting of Board of Studies (BOS) of the Department of Humanities and Social Sciences was held as per the following schedule:

Meeting Name:	Board of Studies – Department of Humanities and Social Sciences		
Date of Meeting:	19-06-2023	Time:	3:00pm
Chairman:	Dr. Amit Srivastava	Location:	Board Room (JUIT)

1. Meeting Objective:

Board of Studies (BoS) Meeting

2(a). Meeting Attendees: The following members were present

Dr. Amit Srivastava, Assoc. Professor and Head, HSS	Chairman
Dr. Neena Jindal, Asst. Professor (II), HSS	Member Coordinator
Dr. Anupriya Kaur, Professor, HSS	Member-1
Dr. Tanu Sharma, Assoc. Professor, HSS	Member-2
Dr. Deler Singh, Asst. Professor (II), HSS	Member-3
Dr. Rajeev Kumar, Professor and Head, ECE	Co-opted Member-1
Dr. P.B. Barman, Professor and Head, PMS	Co-opted Member-2
Dr. Vivek Sehgal, Professor and Head, CSE&IT	Co-opted Member-3
Dr. Rakesh Bajaj, Professor and Head, Mathematics	Co-opted Member-4
Dr. Sunil Kumar Khah, Professor, PMS	Co-opted Member-7
Dr. Vikas Baghel, Asst. Professor (SG), ECE	IQAC Representative, JUIT
Dr. Anil Kant, Assoc. Professor, BT&BI	Representative of BT&BI
Dr. Saurabh Rawat, Assoc. Professor, CE	Representative of CE
Dr. Kamal Kumar, Head HSS, IIT Ropar	External Member-1 (Academic)
Dr. A. Vinay, Professor, IIM Lucknow	External Member-2 (Academic)
Mr. Neelabh Singh, Principal Project Manager, ST Microelectronics, Noida	External Member-3 (Industry/R&D)
Ms. Ana Agarwal, Sr. Director, Treebo Hotel, Bengaluru	External Member-4 (Alumni)

2(b). Leave of Absence: The following members were granted leave of absence by the Chairman, BOS

Dr. Purva Kansal, Professor, UBS, Chandigarh	External Member-3 (Academic)
Dr. Sudhir Kumar, Professor and Head, BT&BI	Co-opted Member-5
Dr. Ashish Kumar, Professor and Head, CE	Co-opted Member-6

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

The Chairman welcomed all the members who were present for the meeting. The meeting was thereafter deliberated by Chairman on agenda items.

3. Action Items / Instructions: Following decisions were taken/approved by the members of BoS.

Item No. 1 : To approve the minutes of last meeting of the BoS held on 15 February 2023

No objection was received from any BOS member for BOS earlier held on 15th February 2023.

All the items proposed in BOS were considered to be approved.

Item No. 2 A : To review and approve the Course Structure of newly introduced BBA Program

- i) It was suggested by Prof. Vinay that the current BBA program is of 140 credits, however, we may consider for reducing the credits.

It was concluded that the current BBA program will run with 140 credits as proposed.

- ii) Prof. Vinay also suggested that we should offer minor of 24 credits to BBA students.

It has not been concluded, however, it may be considered in the next BoS.

Item No. 2 B: To review and approval of detailed syllabi of BBA 1st year courses.

- i) Prof. Vinay has suggested that the course outline should be designed as per PO's (Program outcomes) of BBA program.

All the course outlines have already been designed according to the Program outcomes and PO-CO mapping has already been shown in the course outlines.

- ii) Prof. Vinay has suggested that the course "Legal aspect of Business" which is currently in 5th semester of BBA program, if possible should be changed to 3rd and 4th semester.

However, same cannot be concluded.

iii) Prof. Vinay has suggested that the name of the "Managerial Economics" course which is a 1st semester course may be changed to "Micro-economics".

However since, BBA is a professional program and Managerial Economics is an applied micro economics which may be more suitable for BBA students, therefore, it has been concluded that the name "Managerial Economics" will remains the same.

iv) Prof. P. B. Barman raised the issue regarding the modality of projects commencing from semester 1st.

It has been discussed and concluded that in semester 1st the 1 credit project will primarily be based on Review of Literature and from 2nd semester onwards will continue in the same/somewhat modified area.

v) Prof. Sunil Kumar Khah has suggested to develop the evaluation scheme for 6 Credit Summer Internship which is of 6-8 weeks of duration, after 4th semester.

The department will develop the modality and put it as an agenda item in the next BOS.

vi) Prof. Sunil Kumar Khah has suggested to offer open electives to BBA students from different departments like CSE/IT, Mathematics, ECE and CE etc.

However it has been not been concluded.

vii) Mr. Neelabh has suggested including the content on Gender Equality and Inclusion in any of the appropriate course.

The same is already included in 1st semester course "Ethics and Corporate Social Responsibility".

viii) Mr. Neelabh has suggested including the topic on "Stress Management".

The same is already included in Semester II "Organizational Behaviour" course.

ix) Dr. Anil Kant suggested to include the topic "Marginal Utility Theory" in the Managerial Economics Course.

The suggestion is incorporated.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

- x) A course on "Environmental Studies" which is a 2nd semester course for BBA, since the same course is already offered by the Department of BT&BI for all BTech students with same credit structure, therefore, the course will be taken by the Department of BT&BI. The course is a mandatory course for all UG students.
- Approved as proposed.

Item No. 3 : Restructuring of 04 courses offered by HSS department for all branches of BTech 2nd & 3rd Semester, as core courses.

- i) The existing and proposed course structures are mentioned below:

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
BTech 2 nd and 3 rd SEMESTER (Existing)								
Sem	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
II	Core Discipline	21B11HS211	Life Skills and Effective Communication	1	0	0	1	1
II	Core Discipline	21B17HS271	Life Skills and Effective Communication Lab	0	0	2	1	2
III	Core Discipline	21B11HS311	Professional communication Practices	0	0	2	0	2
III	Core Discipline	18B11HS311	Interpersonal Dynamics, Values and Ethics	1	0	0	1	1
BTech 2 nd and 3 rd SEMESTER (Proposed)								
Sem	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
II	Core Discipline		Professional Communication Practices	0	1	0	0	1
II	Core Discipline		Universal Human Values II - Understanding Harmony	2	1	0	3	3
III	Core Discipline		Life Skills and Interpersonal Dynamics	2	1	0	3	3

The same has been approved along with the course outlines of the proposed courses.

- ii) Mr. Neelabh has suggested paying special attention on the students who are weak in English and communication skills.

The department of Humanities and Social Sciences is already practicing the same.

Approved as proposed

Item No. 4 : To consider "Centre for Management Studies" under the Department of Humanities and Social Sciences.

The same has been approved.

Item No. 5 : Minor revision in course contents of 02 courses (I Sem – Core Courses) and 2 Open Elective Courses (VIII Sem) for BTech, offered by HSS Department

i) Two first sem BTech courses, for minor revision, are:

a. English (21B11HS111)

b. English Lab (21B17HS271)

Approved as proposed.

ii) Two open electives of Sem VIII BTech, for minor revision, are:

a. Intercultural Communication (22B1WHS831)

b. International Human Resource Management (22B1WHS832)

Approved as proposed.

Note : Signed copy of Agenda and MoM of BoS with all annexure should be forwarded to IQAC for record.

ATTACH SIGNED ATTENDANCE SHEET

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

 (Prof. A. Vinay Kumar)	ABSENT (Prof. Purva Kansal)	 (Dr. Kamal Kumar Choudhary)
 (Mr. Neelabh Singh)	 (Ms. Ana Aggarwal)	 (Prof. Sunil Kumar Khah) 21.06.2023
 (Dr. Vikas Baghel)	 (Dr. Anupriya Kaur)	 (Dr. Tanu Sharma)
 (Dr. Deler Singh)	 (Prof. Vivek Sehgal)	 (Prof. Rajiv Kumar) 21/06/2023
 (Dr. Saurabh Rawat) (Prof. Ashish Kumar)	 (Prof. P. B. Barman)	 (Dr. Anil Kant) (Prof. Sudhir Kumar) 21/06/2023
 (Prof. Rakesh Kumar Bajaj)	 (Dr. Neena Jindal) BOS Coordinator, HSS	
 (Dr. Amit Srivastava) Chairman BOS, HSS		 (Prof. Ashok Kumar Gupta) Dean (A&R)

Approved / ~~Not Approved~~

To be taken to ACM, please


Vice Chancellor

Department of Humanities and Social Sciences

A meeting of Board of Studies (BOS) of the Department of Humanities and Social Sciences was held as per the following schedule:

Meeting Name:	Board of Studies –Department of Humanities and Social Sciences		
Date of Meeting:	15-02-2023	Time:	02:00pm
Chairman:	Dr. Amit Srivastava	Location:	Board Room(JUIT)

1. Meeting Objective:

Board of Studies (BoS) Meeting

2(a). Meeting Attendees: The following members were present

Dr. Amit Srivastava, Assoc. Professor and Head, HSS	Chairman
Dr. Neena Jindal, Asst. Professor (II), HSS	Member Coordinator
Dr. Anupriya Kaur, Professor, HSS	Member-1
Dr. Tanu Sharma, Assoc. Professor, HSS	Member-2
Dr. Deler Singh, Asst. Professor (II), HSS	Member-3
Dr. Rajeev Kumar, Professor and Head, ECE	Co-opted Member-1
Dr. P.B. Barman, Professor and Head, PMS	Co-opted Member-2
Dr. Vivek Sehgal, Professor and Head, CSE&IT	Co-opted Member-3
Dr. Rakesh Bajaj, Professor and Head, Mathematics	Co-opted Member-4
Dr. Sunil Kumar Khah, Professor, PMS	Co-opted Member-7
Dr. Vikas Baghel, Asst. Professor (SG), ECE	IQAC Representative, JUIT
Dr. Anil Kant, Assoc. Professor, BT&BI	Representative of BT&BI
Dr. Saurabh Rawat, Assoc. Professor, CE	Representative of CE
Dr. Kamal Kumar, Head HSS, IIT Ropar	External Member-1 (Academic)
Dr. A. Vinay, Professor, IIM Lucknow	External Member-2 (Academic)
Dr. Purva Kansal, Professor, UBS, Chandigarh	External Member-3 (Academic)
Mr. Neelabh Singh, Principal Project Manager, ST Microelectronics, Noida	External Member-3 (Industry/R&D)
Ms. Ana Agarwal, Sr. Director, Treebo Hotel, Bengaluru	External Member-4 (Alumni)

2(b). Leave of Absence: The following members were granted leave of absence by the Chairman, BOS

Dr. Sudhir Kumar, Professor and Head, BT&BI	Co-opted Member-5
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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

The Chairman welcomed all the members who were present for the meeting. The meeting was thereafter deliberated by Chairman on agenda items.

3. Action Items / Instructions: Following decisions were taken/approved by the members of BoS.

Item No. 1 : To approve the minutes of last meeting of the BoS held on 20/06/2021.

No objection was received from any BOS member for BOS earlier held on 20th November 2021.

All the items proposed in BOS were considered to be approved.

Item No. 2 : To consider and approve changing the name of the department from "Humanities and Social Sciences" to "Humanities and Management".

Approved as proposed, however, it was suggested to have two separate departments as "Humanities & Social Sciences" and "Management" looking at its feasibility in future.

Item No. 3 : To consider and approve "Introduction of three year (6 semesters) BBA Programme".

Approved with the following suggestions:

- Eligibility criteria should be 50% marks in 10+2
- 5% relaxation to SC/ST as per University norms
- Selection criteria for initial years should be made simple
- Selection should be based on GD and / or PI (Personal Interview, However, component of GD and PI to be worked upon)
- Scholarship and Discount may also be offered, if possible.

Item No. 4 : To review and approve the Course structure of BBA Program.

Approved with the following suggestions:

- Business Research Course should be offered before the commencement of Summer Internship
- Macroeconomics should be offered in II Sem following Managerial Economics in I Sem

- Rather than offering Minor and Major Projects in Vth and VIth Sem with 6 and 14 credits respectively, it is advised that Projects should be offered right from first semester with progressive credit load.

All the suggestions have been incorporated and course structure has been updated and attached herewith.

Item No. 5 : To consider and approve offering BTech Minor (20 Credits) in Finance and BTech Minor (20 Credits) in Marketing

Approved as proposed

In addition to Minor degree, it is also proposed that the department should start professional certificate courses of 3-12 months in online/offline/hybrid mode.

Item No. 6 : To review and approve Introduction of Mandatory UHV II Course (3 Credit) in BTech second semester along with BTech minor in UHV

Approved as proposed

Item No. 7 : To consider and approve offering of an open elective on "Youth Empowerment & Skills" by the institution "Art of Living"

Not approved with the following comments:

- Similar content is also covered in other courses like, IDVE (Interpersonal Dynamics values and ethics) and Life skills and Effective communication and UHV.
- Charging additional fee is not appropriate.
- The course structure and pedagogy is not in sync with other existing courses.

Note : Signed copy of Agenda and MoM of BoS with all annexure should be forwarded to IQAC for record.

ATTACH SIGNED ATTENDANCE SHEET

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

 (Prof. A. Vinay Kumar)	 (Prof. Purva Kansal)	 (Dr. Kamal Kumar Choudhary)
 (Mr. Neelabh Singh)	 (Ms. Ana Aggarwal)	 (Prof. Sunil Kumar Khah)
 (Dr. Vikas Baghel)	 (Dr. Anupriya Kaur)	 (Dr. Tanu Sharma)
 (Dr. Deler Singh)	 (Prof. Vivek Sehgal)	 (Prof. Rajiv Kumar)
 (Prof. Ashish Kumar)	 (Prof. P. B. Barman)	 (Prof. Sudhir Kumar)
 (Prof. Rakesh Kumar Bajaj)	 (Dr. Neena Jindal) BOS Coordinator, HSS	
 (Dr. Amit Srivastava) Chairman BOS, HSS	 (Prof. A. K. Gupta)	 (Prof. Ashok K. Gupta) (Dean C&R)

Approved / ~~Not Approved~~

.Pl. take this to ACM,



Vice Chancellor

Dr. Amit Srivastava: Pls discuss this to a p.c. and call bees with during the discussion.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

OBSERVATIONS ON MINUTES OF THE MEETING OF BOARD OF STUDIES (FEB 15, 2023), DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

Item No. 1	No comments
Item No. 2	<p>Eligibility conditions for admission to BBA program was earlier identified and proposed as 60% marks in 10+2 examination and 5% relaxation to SC/ST category candidates. → why</p> <p>No issues in conduct of GD and PI for finalization of the admission.</p> <p>No provisions for discount in tuition fee as of now. Central Govt. / State Govt. Scholarship schemes, if any may be explored by the student at their own.</p>
Item No. 3	<p><u>Theory and Practical courses to be defined separately.</u> Theory component marks entry is being made in T1, T2, T3 & TA components. Practical subject marks entry is being done in P1, P2 and P3 component. Accordingly, it is suggested that theory courses and practical courses be defined separately.</p> <p>Existing structure of 04 credit course is (L-3, T-1, P-0) whereas in the proposed scheme it is been raised upto 05 credits (L-4, T-1, P-0) and such structure require more number of classes i.e. $4 \times 14 = 56$ classes + $1 \times 14 = 14$ (Total classes = 70) in a semester which does not seems feasible and may result in complications in managing time table.</p> <p>Elective – I & Elective – II mentioned in 5th & 6th Semester. However, same has been defined in the list of attached Elective courses and elective courses are domain specific. Domain specific courses be defined in bucket of Elective – I & Elective – II.</p> <p>Under the provisions of Internship Embedded Program, some credits may be offered towards the Summer Internship, if possible. Course structure of BBA Program of some reputed institutions may be referred towards the same.</p> <p>Shuffling of the credits for theory classes be made and total credits be brought down to 120 for the existing proposed structure. In case it has to be raised to 140 credits, then some additional courses may be added in the structure.</p> <p>Detailed syllabus of the proposed courses not available. Detailed syllabus of the courses to be developed and placed for approval by the BoS and thereafter by ACM.</p>
Item No. 4	Courses of Minor Program to be offered by the department are missing. Listing of the courses to be done.
Item No. 5	Mandatory UHV-II Courses (03 credits) in 2 nd semester along with BTech minor in UHV is not clear.

Put up for consideration, please.

Assistant Registrar (Academics)

Dean (A/R)

Internship of full one semester may be considered.

31/3/23

VC

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

MINUTES OF THE MEETING –BOARD OF STUDIES, DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

Meeting Name:	BOS Meeting – Humanities and Social Sciences		
Date of 1st Meeting:	Feb 15, 2023	Time:	02:00 PM to 05:00 PM
Chairman:	Dr. Amit Srivastava	Location:	Board Room

1. Meeting Objectives:

- I. Changing the name of the department from "Humanities and Social Sciences" to "Humanities and Management".
- II. Introduction of three year (6 semesters) BBA Programme.
- III. Course structure of BBA Programme.
- IV. BTech Minor (20 credits) in Finance and Marketing
- V. Introduction of Mandatory UHV II Course (3 Credit) in second semester along with BTech minor in UHV
- VI. An open elective on "Youth Empowerment & Skills".

2. Meeting Attendees :

Prof. A. Vinay Kumar, IIM Lucknow (Noida Campus)	Member 1
Prof. PurvaKansal, University Business School, Chandigarh	Member 2
Dr. Kamal Kumar Choudhary, Head HSS, IIT Ropar	Member 3
Mr. Neelabh Singh, ST Microelectronics, Noida	Member 4
Ms. Ana Aggarwal, Treebo Hotels, Bengaluru	Member 5
Prof. Sunil Kumar Khah, PMS, JUIT (Representative PMS)	Member 6
Dr. Vikas Baghel, Representative IQAC, JUIT	Member 7
Dr. Anupriya Kaur	Member 8
Dr. Tanu Sharma	Member 9
Dr. Deler Singh	Member 10
Prof. Ashish Kumar, Head, CE, JUIT	Member 11
Prof. Rajiv Kumar, Head, ECE, JUIT	Member 12
Prof. Vivek Sehgal, Head, CSE&IT, JUIT	Member 13
Prof. Rakesh Kumar Bajaj, Head, Maths, JUIT	Member 14
Dr. Anil Kant, Representative, BT&BI, JUIT	Member 15
Dr. Neena Jindal	Coordinator, BOS, HSS

3. Action Items / Instructions :(Following decisions were taken by BOS Members)

- I. **Changing the name of the department from "Humanities and Social Sciences" to "Humanities and Management".**

Approved as proposed, however, It was suggested to have two separate departments as "Humanities & Social Sciences" and "Management" looking at its feasibility in future.

[Signature]
21/03/2023
To ACM, please.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

II. Introduction of three year (6 semesters) BBA Programme.

Approved with the following suggestions:

- Eligibility criteria should be 50% marks in 10+2
- 5% relaxation to SC/ST as per University norms
- Selection criteria for initial years should be made simple
- Selection should be based on GD and / or PI (Personal Interview, However, component of GD and PI to be worked upon)
- Scholarship and Discount may also be offered, if possible.

III. Course structure of BBA Programme.

Approved with the following suggestions:

- Business Research Course should be offered before the commencement of Summer Internship
- Macroeconomics should be offered in II Sem following Managerial Economics in I Sem
- Rather than offering Minor and Major Projects in Vth and VIth Sem with 6 and 14 credits respectively, it is advised that Projects should be offered right from first semester with progressive credit load.

All the suggestions have been incorporated and course structure has been updated and attached herewith.

IV. BTech Minor (20 credits) in Finance and Marketing

Approved as proposed

In addition to Minor degree, it is also proposed that the department should start professional certificate courses of 3-12 months in online/offline/hybrid mode.

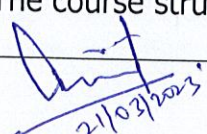
V. Introduction of Mandatory UHV II Course (3 Credit) in second semester along with BTech minor in UHV

Approved as proposed

VI. An open elective on "Youth Empowerment & Skills".

Not approved with the following comments:

- Similar content is also covered in other courses like, IDVE (Interpersonal Dynamics values and ethics) and Life skills and Effective communication and UHV.
- Charging additional fee is not appropriate.
- The course structure and pedagogy is not in sync with other existing courses.


21/03/2023

ANNEXURE II

updated

BACHELOR OF BUSINESS ADMINISTRATION
COURSE STRUCTURE (UPDATED)
(2023-2026)

- Needs to be changed/updated
in the upcoming B.O.S on
19/06/2022

[Signature]
14/06/2022



[Signature]
21/03/2023

PROGRAM OUTCOMES

PO1: Critical Thinking and Decision Making Skills: Students are able to define, analyze, and devise solutions for structured and unstructured business problems and issues using cohesive and logical reasoning patterns for evaluating information, materials, and data.

PO2: Understanding Business Functions: Students demonstrate technical competence in domestic and global business through clarity in major disciplines within the field of business.

PO3: Communication Skills: Students are able to conceptualize a complex issue into a coherent written statement and oral presentation.

PO4: Interpersonal Skill Development: Students can function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO5: Entrepreneurial ability and Innovative thinking: Students can demonstrate the fundamentals of creating and managing innovation, new business development, and high-growth potential entities.

PO6: Technology Skills: Students are competent in the use of modern technology in organizational operations and management.

PO7: Ethics, Environment and sustainability: Apply ethical principles and commit to professional ethics and responsibilities of the Management practice. Students can understand the impact of the professional solutions in societal and environmental contexts, create responsible and sustainable alternatives and demonstrate the knowledge of and need for sustainable development.

PO8: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of constantly changing business environment.

Ant
21/03/2023

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
COURSE CURRICULUM OF BACHELOR OF BUSINESS ADMINISTRATION- 2021 batch (140 CREDITS)								
BBA 1 st SEMESTER								
S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Ability Enhancement - Compulsory		Business Communication (Language: English / MIL)	1	0	2	2	3
2	Core Discipline		Principles and Practices of Management	4	0	2	5	6
3	Core Discipline		Business Environment	4	0	2	5	6
4	Core Discipline		Managerial Economics	4	1	0	5	5
5	Elective Course – Generic /Interdisciplinary		1. India's Diversity & Business or	3	1	0	4	4
			2. Ethics & Corporate Social Responsibility	3	1	0	4	4
			Project				1	
			Total=				22	24
BBA 2 nd SEMESTER								
S.No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Core Discipline		Organizational Behavior	4	0	2	5	6
2	Ability Enhancement - Compulsory		Environmental Science	2	0	0	2	2
3	Core Discipline		Macroeconomics	4	1	0	5	5
4	Core Discipline		Business Accounting	4	0	2	5	6
5	Elective Course – Generic /Interdisciplinary		3. Critical and Creative Thinking or	3	1	0	4	4
			4. Leadership in organizations	3	1	0	4	4
			Project				2	
			Total=				23	23

Ans
21/03/2023

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
COURSE CURRICULUM OF BACHELOR OF BUSINESS ADMINISTRATION- 2021 batch (140 CREDITS)								
BBA 3 rd SEMESTER								
S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Core Discipline		Statistics for Business Decisions	4	1	0	5	5
2	Core Discipline		Principles of Marketing	4	0	2	5	6
3	Core Discipline		Management Accounting	4	0	2	5	6
4	Elective Course – Generic / Interdisciplinary		5. Entrepreneurship Development	3	1	0	4	4
			or 6. Project Management	3	1	0	4	4
5	Skill Enhancement Course		Statistical Software	0	0	4	2	4
			Project				2	
			Total=				23	25
BBA 4 th SEMESTER								
S.No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Core Discipline		Business Research	4	0	2	5	6
2	Core Discipline		Human Resource Management	4	0	2	5	6
3	Core Discipline		Financial Management	4	0	2	5	6
4	Elective Course – Generic / Interdisciplinary		7. Production & Operations Management	3	1	0	4	4
			or 8. Introduction to Supply Chain Management	3	1	0	4	4
5	Skill Enhancement Course		IT tools for Business	0	0	4	2	4
			Project				3	
			Total=				24	26

Summer Internship (6-8 weeks)

21/03/2023

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
COURSE CURRICULUM OF BACHELOR OF BUSINESS ADMINISTRATION- 2021 batch (140 CREDITS)								
BBA 5 th SEMESTER								
S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Core Discipline		Legal Aspects of Business	4	0	2	5	6
2	Core Discipline		Quantitative Techniques for Management	4	0	2	5	6
3	Discipline Specific Elective		Elective – I	3	1	0	4	4
4	Discipline Specific Elective		Elective – II	3	1	0	4	4
5			Project				4	
			Total=				22	20
BBA 6 th SEMESTER								
S.No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1	Core Discipline		Business Policy & Strategy	4	0	2	5	6
2	Core Discipline		Financial Institutions & Markets	4	0	2	5	6
3	Discipline Specific Elective		Elective – I	3	1	0	4	4
4	Discipline Specific Elective		Elective – II	3	1	0	4	4
5			Project				8	
			Total=				26	20

[Signature]
21/03/2023

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
COURSE CURRICULUM OF BACHELOR OF BUSINESS ADMINISTRATION- 2021 batch (140 CREDITS)								
BBA								
DISCIPLINE SPECIFIC ELECTIVE -Finance								
S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1		Sem 5	International Finance	3	1	0	4	4
2		Sem 5	Investment Banking & Financial Services	3	1	0	4	4
3		Sem 5	Investment Analysis & Portfolio Management	3	1	0	4	4
4		Sem 5	Mergers and Acquisitions	3	1	0	4	4
5		Sem 6	Project Appraisal	3	1	0	4	4
6		Sem 6	Business Analysis & Valuation	3	1	0	4	4
7		Sem 6	Financial Modelling & Derivatives	3	1	0	4	4
8		Sem 6	Strategic Corporate Finance	3	1	0	4	4
DISCIPLINE SPECIFIC ELECTIVE -Marketing								
S.No	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1		Sem 5	Consumer Behavior	3	1	0	4	4
2		Sem 5	Personal Selling & Sales Force Management	3	1	0	4	4
3		Sem 5	Advertising & Brand Management	3	1	0	4	4
4		Sem 5	Retail Management	3	1	0	4	4
5		Sem 6	Distribution & Supply Chain Management	3	1	0	4	4
6		Sem 6	Marketing of Services	3	1	0	4	4
7		Sem 6	International Marketing	3	1	0	4	4
8		Sem 6	Online marketing	3	1	0	4	4
DISCIPLINE SPECIFIC ELECTIVE –Human Resource Management								
S.No	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
1		Sem 5	HRM: Systems & Strategies	3	1	0	4	4
2		Sem 5	Training & Development	3	1	0	4	4
3		Sem 5	Management of Industrial Relations	3	1	0	4	4
4		Sem 5	Performance & Compensation Management	3	1	0	4	4
5		Sem 6	Talent & Knowledge Management	3	1	0	4	4
6		Sem 6	Cross Cultural HRM	3	1	0	4	4
7		Sem 6	Conflict & Negotiation Skills for Managers	3	1	0	4	4
8		Sem 6	Organizational Change and Development	3	1	0	4	4

Ant
21/03/2023

	TOTAL CREDITS	140	140	
	TOTAL HOURS	138		
		No.	Credits	
	Core Courses (CC)	16	80	
	Discipline Specific Electives (DSE)	4	16	
	General elective (GE)	4	16	
	Ability enhancement compulsory course (AECC)	2	4	
	Skill Enhancement Courses (SEC)	2	4	
	Projects		20	

Chief
21/03/2023



Date: 17-05-2024

Department of Humanities and Social Sciences

A meeting of Board of Studies (BOS) of the Department of Humanities and Social Sciences was held (in mixed mode) as per the following schedule:

Meeting Name:	Board of Studies – Department of Humanities and Social Sciences		
Date of Meeting:	16-05-2024	Time:	3:00 pm
Chairman:	Dr. Amit Srivastava	Location:	Board Room (JUIT) and online Mode

1. Meeting Objective:

Board of Studies (BoS) Meeting

2(a). Meeting Attendees: The following members were present

Dr. Amit Srivastava, Assoc. Professor and Head, HSS	Chairman
Dr. Neena Jindal, Asst. Professor (II), HSS	Member Coordinator
Dr. Anupriya Kaur, Professor, HSS	Member-1
Dr. Tanu Sharma, Assoc. Professor, HSS	Member-2
Dr. Deler Singh, Asst. Professor (II), HSS	Member-3
Dr. Sunil Kumar Khah, Professor, PMS	Co-opted Member
Dr. Vikas Baghel, Asst. Professor (SG), ECE	IQAC Representative, JUIT
Dr. Kamal Kumar, Head HSS, IIT Ropar	External Member-1 (Academic)
Mr. Neelabh Singh, Principal Project Manager, ST Microelectronics, Noida	External Member-2 (Industry/R&D)
Ms. Ana Agarwal, Sr. Director, Treebo Hotel, Bengaluru	External Member-3 (Alumni)
2(b). Leave of Absence: NIL	

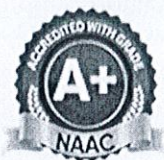
The Chairman welcomed all the members present for the meeting. The meeting was thereafter deliberated by Chairman on agenda items.

3. Action Items / Instructions: Following decisions were taken/approved by the members of BoS.

Item No. 1 : To approve the minutes of last meeting of the BoS held on 30th December 2023

No objection was received from any BOS member for BOS earlier held on 30th December 2023.

All the items proposed in BOS were considered to be approved.



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Item No. 2 : To consider and approve detailed syllabus of BBA 3rd and 4th Semester

(Course names and scheme is already approved in BoS held on Feb 15, 2023 and ACM held on June 28, 2023).

The approved schemes are shown below:

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
BBA 3 rd Semester (Scheme already approved)								
S.No.	Category Code	Subject Code	Name of the Subject	Course Hours			Credits	Total Hours
				L	T	P		
1	Core Discipline		Statistics for Business Decisions	3	1	0	4	4
2	Core Discipline		Principles of Marketing	3	1	0	4	4
3	Core Discipline		Management Accounting	3	1	0	4	4
4	Elective		Entrepreneurship Development	3	1	0	4	4
5	SEC		Statistical Software	0	0	4	2	4
6	Core Discipline		Political Process in India	3	0	0	3	3
			Project				2	
							23	23

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
BBA 4 th Semester (Scheme already approved)								
S.No.	Category Code	Subject Code	Name of the Subject	Course Hours			Credits	Total Hours
				L	T	P		
1	Core Discipline		Business Research	3	1	0	4	4
2	Core Discipline		Human Resource Management	3	1	0	4	4
3	Core Discipline		Financial Management	3	1	0	4	4
4	Elective		Production & Operations Management	3	1	0	4	4
5	SEC		IT Tools for Business	0	0	4	2	4

6	Core Discipline		Oral Written Communication	3	0	0	3	3
			Project				3	
							24	23

- i) **Statistics for Business Decisions:** Prof. Sunil Kumar Khah suggested that the course is too lengthy for BBA 3rd Sem students, some of the content can be trimmed.
- ii) **Principles of Marketing:** Ms. Ana Agarwal suggested that Quizzes etc should be conducted after guest lecture.
- iii) **Management Accounting:** Indian context can be taught and to bridge the gap USGAAP principles may also be discussed
- iv) **Statistical Software:** Prof. Sunil Kumar Khah suggested to change the heading from Number of Hours to Number of labs and at the end add two rows showing total number of labs and total number of hours.
- v) No changes in other courses.
- vi) All the changes/suggestions have been incorporated.
- vii) Detailed updated syllabi of BBA 2nd year courses (Semester III and Semester IV) are attached herewith (ANNEXURE I).

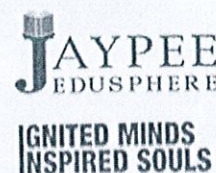
Item No. 3 : To consider and approve modifications in course structures of Minor in Marketing and Minor in Finance and detailed syllabus of courses of Minor in Marketing and Minor in Finance for BTech students.

(Scheme is already approved in BoS held on Feb 15, 2023 and ACM held on June 28, 2023, for the BTech batch admitted in 2023). Courses and schemes are shown below:

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
BTech Minor in Marketing for 3 rd , 4 th , 5 th and 6 th Semester (Proposed)								
S.No.	Category Code	Subject Code	Name of the Subject	Course Hours			Credits	Total Hours
				L	T	P		
III	Minor (Marketing)		Principles of Marketing	3	1	0	4	4
IV	Minor (Marketing)		Product and Brand Management	3	1	0	4	4
V	Minor (Marketing)		Consumer Behaviour	3	1	0	4	4
VI	Minor (Marketing)		Marketing Analytics	3	0	0	3	3
VI	Minor (Marketing)		Digital Marketing	3	0	0	3	3



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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
BTech Minor in Finance for 3 rd , 4 th , 5 th and 6 th Semester (Proposed)								
S.No.	Category Code	Subject Code	Name of the Subject	Course Hours			Credits	Total Hours
				L	T	P		
III	Minor (Finance)		International Finance	3	1	0	4	4
IV	Minor (Finance)		Financial Analytics	3	1	0	4	4
V	Minor (Finance)		Financial Valuation and Modeling	3	1	0	4	4
VI	Minor (Finance)		Financial Derivatives	3	0	0	3	3
VI	Minor (Finance)		Strategic Corporate Finance	3	0	0	3	3

- Prof Kamal and Ms Ana appreciated the move of offering Marketing and Finance Minor to BTech students.
- Prof Kamal, Ms Ana and Mr Neelabh commented that the courses offered in Minor are really contemporary help the students in developing their managerial knowledge.
- Ms Ana offered her help in case if it is required for taking guest lectures in Marketing Minor.
- All the items were discussed with the members one by one.
- Approved as proposed
- Detailed syllabi are attached herewith as ANNEXURE II.

Item 4: To consider and approve the two new Open electives for BTech 7th semester (open elective basket)

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
BTech, 7 th Semester Open Elective (Proposed)								
S.No.	Category Code	Subject Code	Name of the Subject	Course Hours			Credits	Total Hours
				L	T	P		
1	Open elective		Science, Technology and Society	3	0	0	3	3
2	Open elective		Knowledge Systems in Ancient India	3	0	0	3	3

- Both the items were discussed with the members one by one.
- Approved as proposed
- Detailed syllabi are attached herewith-ANNEXURE III



Item 5: To consider and approve mandatory audit course “Soft Skills for Professionals” for BTech 6th Semester students

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
BTech, 6 th Semester, Mandatory Audit (Proposed)								
S.No.	Category Code	Subject Code	Name of the Subject	Course Hours			Credits	Total Hours
				L	T	P		
1	Mandatory Audit		Soft Skills for Professionals	0	1	0	0	1

- The course is designed for VI Sem students for making them placement ready.
- Detailed syllabus is attached herewith as ANNEXURE IV.
- The same has been approved.
- Ms Ana and Mr. Neelabh suggested to include the “Buddy Concept” in the class room so per group will help each other to improve their communication skills.
- Ms Ana also suggested to include the final year students also for conducting Mock Interview.
- Mr Neelabh and Ms Ana offered their help also to conduct Mock Interview, if they are available.
- Suggestions given by experts will be incorporated while running the course.

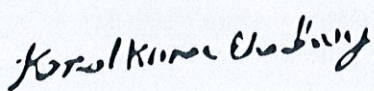
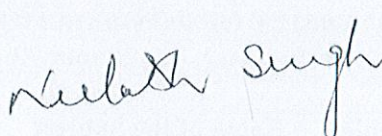
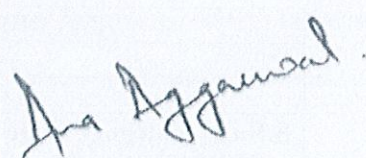




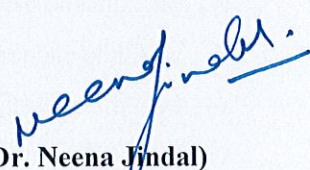
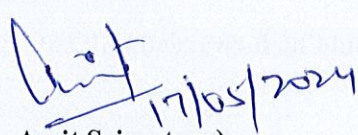
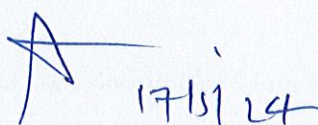
Note : Signed copy of Agenda and MoM of BoS with all annexure should be forwarded to IQAC for record.

ATTACH SIGNED ATTENDANCE SHEET



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INSPIRED SOULS

 (Dr. Kamal Kumar Choudhary)	 (Mr. Neelabh Singh)	 (Ms. Ana Aggarwal)
 (Prof. Sunil Kumar Khah)	 (Dr. Anupriya Kaur)	 (Dr. Tanu Sharma)
 (Dr. Vikas Baghel)	 (Dr. Deler Singh)	 (Dr. Neena Jindal) BOS Coordinator, HSS
 (Dr. Amit Srivastava) Chairman BOS, HSS	 (Prof. Ashok Kumar Gupta) Dean (A&R)	

Approved / Not Approved

Vice Chancellor



Department of Humanities and Social Sciences

A meeting of Board of Studies (BOS) of the Department of Humanities and Social Sciences was held as per the following schedule:

Meeting Name:	Board of Studies – Department of Humanities and Social Sciences		
Date of Meeting:	23-11-2024	Time:	Through email
Chairman:	Prof (Dr) Amit Srivastava	Location:	E-mail

1. Meeting Objective:

1. Introduction of two new elective courses for semester VI BTech students.

2(a). Meeting Attendees: The following members were present

Prof (Dr) Amit Srivastava	Chairman
Dr Neena Jindal	Member Coordinator
Dr Anupriya Kaur	Member-1
Dr Tanu Sharma	Member-2
Dr Deler Singh	Member-3
Dr Vikas Baghel	Member-4 (IQAC Representative, JUIT)
Prof (Dr) Sunil Kumar Khah	Member-5 (IQAC Representative, JUIT)
Dr Kamal Kumar (HOD) HSS IIT Ropar	External Member-1 (Academic)
Mr Neelabh Singh	External Member-2 (Industry/R&D)
Ms Ana Agarwal	External Member-3 (Alumni)

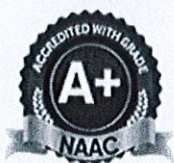
2(b). Leave of Absence: NIL

3. Action Items / Instructions: Following decisions were taken/approved by the members of BOS.

Item No. 1: To approve the minutes of the meeting held on 16th May 2024

No objection was received from any BOS members for the BOS meeting held on May 16, 2024.

All the items proposed in BOS were considered to be approved.



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Item No. 2: To consider and approve two new elective courses for semester VI BTech students.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
BTech VI SEMESTER								
S. No.	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P	C	H
1	Elective		Indian Social Structure	3	0	0	3	3
2	Elective		Understanding Global Cinema: Themes, Narratives and Transformations	3	0	0	3	3

i) Indian Social Structure:

- Prof Sunil Kumar Khah suggested that the course needs to shift unit 4 to the start of syllabus with emphasis on social structure with reference to religious diversity.
 However, as per the discussion with the course coordinator, it is appropriate to start with the introductory topics first before starting directly on the topic of religious diversity.
- Prof Kamal suggested that the content can be reduced as it seems to be vast.
 It has been incorporated.
- Mr Neelabh suggested that this course has some bold and sensitive topics (appreciating the efforts again for the same) and hence they must be phrased and expressed in the words chosen very carefully so that any negative perception/bias is not created by the topic itself.
 He further elaborated that based on his interactions with his European friends, he feels that Europeans have an impression that



Indian people are hugely divided based on caste system. Therefore, the course may include these topics with extreme sensitivity while guiding the new generation towards creating a NAYA BHARAT which believes in NATION FIRST/ONE NATION philosophy while learning from our historical shortcomings.

The course coordinator will include these dimensions through case-studies.

- Ms Ana suggested that adding a comparative element (brief analysis of social structure of other countries) might help in understanding of global societal challenges. It is a sensitive topic (left to the discretion of the instructor) but a lot needs to be understood about the background of reservation policies, gender issues and discussions from the lens of those negatively affected. Introduction of discussions on real world examples for gender reforms, caste struggles will help connect theoretical knowledge to actual events. The course coordinator will include these dimensions through case-studies.

ii) Understanding Global Cinema: Themes, Narratives and Transformations

- Prof Sunil Kumar Khah suggested that the course may have T1 and T3 examination as per JUIT's system, while T2 should be in the project form (such as review reports, take home tests, or presentations).
This is a good suggestion but as per the JUIT's academic system, it does not seem to be feasible.
- Prof Kamal suggested that the content can be reduced as it seems to be vast.
It has been incorporated.
- Mr Neelabh suggested that as often portrayed in cinema, men are normally shown as stronger gender and are not supposed to express their emotions like women and hence it has an impact on society to



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imitate the character in real life as well. Similar to Her Story (unit 3), there could be His Story too. Another angle could be specific context of Indian culture impacting cinema* which may have difference as compared to cinema in European or American or any other part of the world. Impact of cinema on young/tender minds (e.g., teenagers, or people in 20's/30's) versus people in their 40's/50's/60's. ~ 25% of India's population falls in the age bracket of 0-14 years whereas 68% population in 15-64 years age bracket. Impact of AI on Indian/Global Cinema Cinema's role in connecting the whole world and acting as an important source for cross-fertilization of cultures & values across the boundaries.

The course coordinator confirms that Objective 3 and Unit 3 earlier related to Feminine representations have been revised to include a holistic perspective on gender, as suggested. The division of units are thematic and not geographical but each unit will discuss film narratives and their impact from both Indian and Global perspectives. Further, Unit 6 of the course discusses technological aspects of the cinema where the impact and narratives of AI will be discussed.

- Ms Ana commented that the course is contemporary and seems very engaging. It focuses on diverse narratives and enhances critical thinking & analytical abilities. Screenings and discussions/ debates will make the course engaging and will help build inclusivity. She also suggested to encourage students to create short videos to make the learning experience enriching and more practical.

The course coordinator confirms that the screening of one film will be done for every unit, followed by a discussion on the same.

- She further added:
 - Would it be possible to add "Evolving representation of gender and identity", instead of "Representation of femininity" in Objective #3? In the course, a more inclusive approach will make the course relevant to diverse social developments in the current atmosphere. Inclusion of intersectional gender perspectives - masculinity, queer representation will help broaden the discussion.



- Introduction of a project work where students create or analyze a short movie of their choice/ assigned by instructor. It will help apply the theory learnt during the class to real world cinema.

As per the course coordinator, the suggestion of renaming the Objective 3, has been accepted and the changes are incorporated. In addition to that, the Unit 4 already includes narratives related to queer representations. As far as the project work is concerned, it has been made an integral part of the curriculum and will be taken care in the Internal Assignments.

Few more points were discussed and suggested are

- Dr Vikas suggested that since these subjects are specifically designed for engineering students, it is essential to ensure a strong alignment between Course Outcomes (COs) and Program Outcomes (POs). Hence, COs which lack a direct mapping to specific POs should be aligned as per POs. This alignment reinforces the relevance of the subject matter and creates a cohesive learning experience that progressively develops the skills and knowledge outlined in the program's educational objectives. Both the course coordinators have taken care of the suggested points.
- iii) All the changes / suggestions have been considered, discussed and incorporated as per the extent mentioned above.
- iv) Syllabus of both the new courses (SEM VI) are attached herewith (Annexure I)


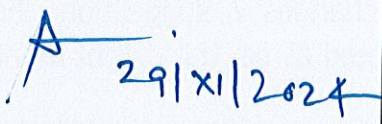
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 (Prof. Sunil Kumar Khah)	 (Dr. Anupriya Kaur)	 (Dr. Tanu Sharma)
 (Dr. Vikas Baghel)	 (Dr. Deler Singh)	 (Dr. Neena Jindal) BOS Coordinator, HSS
 (Dr. Amit Srivastava) Chairman BOS, HSS	 (Prof. Ashok Kumar Gupta) Dean (A&R)	

Approved / Not Approved

Vice Chancellor



Neena Jindal <neena.jindal@juitsolan.in>

New elective courses for semester VI Btech students

16 messages

25 October 2024 at 16:59

Neena Jindal <neena.jindal@juitsolan.in>
 To: Neelabh SINGH <neelabh.singh@st.com>, Ana Aggarwal <aggarwal.ana@gmail.com>, Kamal Kumar Choudhary <kamal@iitrpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Deler Singh <delser.singh@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

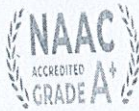
Dear BOS members

The Department of HSS is planning to offer two new elective courses for semester VI Btech students. The course outline is attached herewith for your review and comments. The courses are:

1. Understanding Global Cinema: Themes, Narratives and Transformations
2. Indian Social Structure

Kindly provide your suggestions(if any) / approve the course outlines as per your convenience latest by 5th November 2024.

Thanks and regards
 Dr. Neena Jindal
 Assistant Professor
 Department of Humanities and Social Sciences
 Jaypee University of Information Technology,
 Wagnaghat, Solan (HP) 173234
 Mobile Number: 9318785766



 visemelectivecoursesforbosapproval.zip
 45K

26 October 2024 at 13:06

Neena Jindal <neena.jindal@juitsolan.in>
 To: Neelabh SINGH <neelabh.singh@st.com>, Ana Aggarwal <aggarwal.ana@gmail.com>, Kamal Kumar Choudhary <kamal@iitrpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Deler Singh <delser.singh@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Dear BOS members


I am attaching the word file of the course outlines for your convenience.


Thanks and regards
 Dr. Neena Jindal
 Assistant Professor
 Department of Humanities and Social Sciences
 Jaypee University of Information Technology,
 Wagnaghat, Solan (HP) 173234
 Mobile Number: 9318785766



[Quoted text hidden]

2 attachments

 **Course Outline - Cinema - Final.docx**
25K

 **Indian Social Structure - Final.docx**
22K

Neena Jindal <neena.jindal@juitsolan.in>

4 November 2024 at 14:36

To: Neelabh SINGH <neelabh.singh@st.com>, Ana Aggarwal <aggarwal.ana@gmail.com>, Kamal Kumar Choudhary <kamal@iitrpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Dear BOS members

A gentle reminder.

Thanks and regards

Dr. Neena Jindal

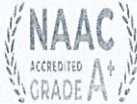
Assistant Professor

Department of Humanities and Social Sciences

Jaypee University of Information Technology,

Waknaghat, Solan (HP) 173234

Mobile Number: 9318785766



On Fri, 25 Oct 2024 at 16:59, Neena Jindal <neena.jindal@juitsolan.in> wrote:

[Quoted text hidden]

Vikas Baghel <vikas.baghel@juitsolan.in>

5 November 2024 at 17:38

To: Neena Jindal <neena.jindal@juitsolan.in>

Dear Ma'am,

As these subjects are specifically designed for engineering students, it's essential to ensure a strong alignment between Course Outcomes (COs) and Program Outcomes (POs). This alignment reinforces the relevance of the subject matter and creates a cohesive learning experience that progressively develops the skills and knowledge outlined in the program's educational objectives.

Currently, some COs lack a direct mapping to specific POs. By explicitly linking COs to POs, we can enhance the syllabus's structure and provide a clear path for students to achieve their professional and technical competencies.

I recommend reviewing the syllabus and COs to incorporate this alignment. This will result in a more robust and effective learning experience for our engineering students.

Thank you for considering this feedback.

Regards

[Quoted text hidden]

11/28/24, 11:31 AM

Jaypee University of Information Technology Mail - New elective courses for semester VI Btech students

Dr. Vikas Baghel
Assistant Professor (Senior Grade)
Department of Electronics & Communication Engineering
Jaypee University of Information Technology
Waknaghat, Distt-Solan 173 234
Himachal Pradesh India
Cabin: 2F26C
Phone: 01792-239268 (O)
Mobile: 9878330166
Alternate Email: vikas.baghel@juit.ac.in



5 November 2024 at 17:55

Neena Jindal <neena.jindal@juitsolan.in>
To: Vikas Baghel <vikas.baghel@juitsolan.in>

Dear Dr. Vikas

Thanks for your feedback.

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766



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6 November 2024 at 09:55

Neena Jindal <neena.jindal@juitsolan.in>
To: Deler Singh <delser.singh@juitsolan.in>, "Dr. Atul Kumar Singh" <atul.k.singh@juitsolan.in>

Dear Sir

Dr. Vikas has recommended - Reviewing the syllabus and COs mapping with POs, please look into it and if possible make changes and submit the revised syllabus to HOD sir

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766



[Quoted text hidden]

6 November 2024 at 10:14

Kamal Kumar Choudhary <kamal@iitrpr.ac.in>
To: Neena Jindal <neena.jindal@juitsolan.in>

<https://mail.google.com/mail/u/0/?ik=e2960d2c42&view=pt&search=all&permthid=thread-a:r1703199366997781439&simpl=msg-a:r29983177110...>

Cc: Neelabh SINGH <neelabh.singh@st.com>, Ana Aggarwal <aggarwal.ana@gmail.com>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Deler Singh <delser.singh@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Neena Ji,

Both the courses look fine to me. It is really interesting and I do not have any comments. However, the topics seem to be vast to me as it covers so many topics.

The teacher may think of reducing some topics. This is just a suggestion and I leave it to you/teachers to decide.

Thanks and best regards,

Kamal

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--

Dr. Kamal Kumar Choudhary
Associate Professor (Linguistics)
Room No-C305, Third Floor, SAB Building
Department of Humanities and Social Sciences
Indian Institute of Technology Ropar, Main Campus
Bara Phool, Birla Seed Farms, Rupnagar-140001, Punjab, India
Phone: 0091-1881-232267
Mobile: 0091-8699449269
Email: kamal@iitrpr.ac.in/ kchoudhary1@gmail.com
Skype id: kchoudhary1
Website: <http://www.iitrpr.ac.in/humanities/kamal>
Lab Webpage: <https://sites.google.com/site/iitrprcl/>
ORCID ID: <http://orcid.org/0000-0002-0232-0003>

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Sunil Kumar Khah <sunil.khah@juitsolan.in>

6 November 2024 at 10:39

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Neelabh SINGH <neelabh.singh@st.com>, Ana Aggarwal <aggarwal.ana@gmail.com>, Kamal Kumar Choudhary <kamal@iitrpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Deler Singh <delser.singh@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Neena

Have gone through the syllabus of Understanding Global Cinema: Themes, Narratives and Transformations and Indian Social Structure

I have some suggestions regarding both courses

1. Indian Social Structure

I think we need to shift unit 4 to the start of syllabus with emphasis on Social structure with reference to religious diversity.

2. Understanding Global Cinema: Themes, Narratives and Transformations

For this course we should have T1 and T3 and T2 should be in project form (Like Review reports or take home test or presentation)

Rest these courses are very good.

Regards

Prof.Sunil Kumar Khah

Controller of Examinations & Incharge IQAC

Jaypee University of Information Technology,

(NAAC A+ Graded University)

Waknaghat, Distt. Solan (H.P)

Pin:173 215

Phone: (O)91-1792-239221

(Direct)257999(ext-221)

(R)91-1792-224229

(Cell) 9816975754

Fax:91-1792-245362

[Quoted text hidden]

6 November 2024 at 10:42

Neena Jindal <neena.jindal@juitsolan.in>
 To: Sunil Kumar Khah <sunil.khah@juitsolan.in>
 Cc: Deler Singh <deler.singh@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>, "Dr. Atul Kumar Singh" <atulk.singh@juitsolan.in>

Dear Sir
 Thanks for your valuable suggestion. I will convey this to the concerned faculty.
 Thanks for your feedback.
 Thanks and regards
 Dr. Neena Jindal
 Assistant Professor
 Department of Humanities and Social Sciences
 Jaypee University of Information Technology,
 Waknaghat, Solan (HP) 173234
 Mobile Number: 9318785766



[Quoted text hidden]

6 November 2024 at 10:42

Neena Jindal <neena.jindal@juitsolan.in>
 To: Kamal Kumar Choudhary <kamal@iitrpr.ac.in>, "Dr. Atul Kumar Singh" <atulk.singh@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>
 Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Sir
 Thanks for your valuable suggestion. I will convey this to the concerned faculty.

Thanks and regards
 Dr. Neena Jindal
 Assistant Professor
 Department of Humanities and Social Sciences
 Jaypee University of Information Technology,
 Waknaghat, Solan (HP) 173234
 Mobile Number: 9318785766



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6 November 2024 at 16:19

Neelabh SINGH <neelabh.singh@st.com>
 To: Neena Jindal <neena.jindal@juitsolan.in>, Ana Aggarwal <aggarwal.ana@gmail.com>, Kamal Kumar Choudhary <kamal@iitrpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>
 Cc: Neelabh SINGH <neelabh.singh@st.com>

Dear All,

Very Good initiative. Kudos to all involved !! 😊

You will agree that face to face interaction always minimizes any potential communication gap and provides better understanding of any topic or the context in which they have been identified/defined.

However, we try our best to share the feedback on proposed courses based on our understanding (through the shared contents) which may have some scope for further improvements.

Based on quick review, found proposed content OK for the course-**Understanding Global Cinema: Themes, Narratives and Transformations** (*appreciation for covering different dimensions*).

However, I have shared some inputs over telephonic conversation with Dr Neena . They may be evaluated and included if found appropriate.

E.g.

(i). As often portrayed in cinema, **men** are normally shown as stronger gender and are **not supposed to express their emotions** like women and hence it has an impact on society to imitate the character in real life too. Similar to **Her Story** (unit 3), there could be **His Story** too.

(ii). Another angle could be **specific context of Indian culture** impacting cinema which may have difference as compared to cinema in European or American or any other part of the world.

(iii). **Impact of cinema on young/tender minds** (e.g. teenagers, or people in 20's/30's) versus people in their 40's/50's/60's. ~ **25%** of India's population falls in the age bracket of **0-14 years** whereas **68%** population in 15-64 years age bracket.

(iv) **Impact of AI on Indian/Global Cinema**

(v) **Cinema's role in connecting the whole world** and acting as an important source for cross-fertilization of cultures & values across the boundaries.

Regarding another course - **Indian Social Structure**

I believe it has some bold and sensitive topics (and appreciate the efforts again for the same) hence they must be phrased and expressed in the words chosen very carefully so that any negative perception/bias is not created by the topic itself.

I personally had many interactions with my European friends where I tried to explain them Indian Social context otherwise, they have an impression that Indian people are hugely divided based on caste system.

So, in my opinion, we should include these topics with extreme sensitivity while guiding the new generation towards creating a NAYA BHARAT which believes in NATION FIRST/ONE NATION philosophy while learning from our historical shortcomings.

Warm Regards,

Neelabh Singh

STMicronics Pvt Ltd.,

Greater Noida

ST Restricted

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Neena Jindal <neena.jindal@juitsolan.in>
To: Neelabh SINGH <neelabh.singh@st.com>
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

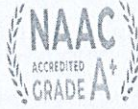
6 November 2024 at 16:58

Dear Sir,

Thanks for the feedback.

Thanks and regards

Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766



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6 November 2024 at 17:00

Neena Jindal <neena.jindal@juitsolan.in>

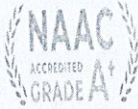
To: Deler Singh <delser.singh@juitsolan.in>, "Dr. Atul Kumar Singh" <atul.k.singh@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Sir

Some suggestions and feedback received by Mr. Neelabh (BOS member) please incorporate the changes (if possible) and submit the revised syllabus by 9th November 2024 to HOD sir.

Thanks and regards

Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766



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23 November 2024 at 12:26

Ana Aggarwal <aggarwal.ana@gmail.com>

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Neelabh SINGH <neelabh.singh@st.com>, Kamal Kumar Choudhary <kamal@iitrpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Delser Singh <delser.singh@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Ma'am,

Sincere apologies for the late reply.

I'm glad these courses are getting introduced at bachelor's level. It gives a wider perspective to critical thinking of a student at a juncture where they start acknowledging/ appreciating subjects with a real world angle.

Course 1: Understanding Global Cinema

This course is contemporary and seems very engaging. It focuses on diverse narratives and enhances critical thinking & analytical abilities.

Screenings and discussions/ debates will make the course engaging and will help build inclusivity. Encouraging students to create short videos can also make the learning experience enriching and more practical.

Inputs:

1. Would it be possible to add "Evolving representation of gender and identity" instead of "Representation of femininity" in Objective #3

In the course, a more inclusive approach will make the course relevant to diverse social developments in the current atmosphere. Inclusion of intersectional gender perspectives - masculinity, queer representation will help broaden the

discussion

2. Introduction of a project work where students create or analyze a short movie of their choice/ assigned by instructor. It will help apply the theory learnt during the class to real world cinema.

Course 2: Indian Social Structure

This is a fantastic introductory course relevant to today's socio political context. While we have advanced, there is a lot of fabric that is ingrained from our diverse social structures.

Inputs:

1. Adding a comparative element (brief analysis of social structure of other countries) might help in understanding of global societal challenges
2. It is a sensitive topic (left to the discretion of the instructor) but a lot needs to be understood about the background of reservation policies, gender issues and discussions from the lens of those negatively affected. Introduction of discussions on real world examples for gender reforms, caste struggles will help connect theoretical knowledge to actual events.

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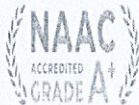
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Ana Aggarwal
9988788937

Neena Jindal <neena.jindal@juitsolan.in>
To: Ana Aggarwal <aggarwal.ana@gmail.com>

25 November 2024 at 10:27

Thanks Dear Ana for your valuable inputs.
Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

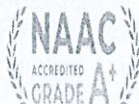


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Neena Jindal <neena.jindal@juitsolan.in>
To: Deler Singh <delser.singh@juitsolan.in>, "Dr. Atul Kumar Singh" <atulk.singh@juitsolan.in>

25 November 2024 at 10:29

Dear Sir
PFA, the inputs from Ms. Ana (BOS member), for your reference.
Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766



----- Forwarded message -----

From: Ana Aggarwal <aggarwal.ana@gmail.com>
Date: Sat, 23 Nov 2024 at 12:27
Subject: Re: New elective courses for semester VI Btech students
To: Neena Jindal <neena.jindal@juitsolan.in>

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Indian Social Structure

COURSE CODE:

COURSE CREDITS: 3

CORE/ELECTIVE: ELECTIVE

L-T-P: 3-0-0

Pre-requisite: None

Course Objectives:

1. To understand the fundamental framework of Indian social structure and its key institutions such as family, education, economy, and religion
2. To explore the complexities of caste and social hierarchies, including their evolution, relevance, and present-day developmental challenges in urban and rural contexts
3. To examine the role of patriarchy and gender inequality in Indian society and analyze efforts for women's empowerment and gender reforms and the impacts on development
4. To investigate the impact of religion, secularism, and communalism on Indian society and their role in shaping social and political life
5. To analyze social movements, economic inequality, and class stratification to understand the forces driving social change and development in India

Course Outcomes

S No	Course Outcomes	Level of Attainment
CO-1	Identify key components of Indian social structure and explain the role of institutions like family, marriage, education, and religion	Familiarity
CO-2	Evaluate the evolution and influence of caste-based hierarchies across rural and urban India, with a focus on Dalit movements	Assessment
CO-3	Critically analyze gender roles and patriarchy in Indian society and assess efforts toward reducing gender inequality and violence	Assessment
CO-4	Demonstrate an understanding of religious diversity and communal tensions and reflect on the challenges in maintaining secularism	Usage
CO-5	Assess the impact of economic inequality and class stratification and examine the role of social activism in promoting social change and reforms	Usage

Course Contents

Unit	Contents	Lectures Required
1	Introduction to Indian Social Structure: Understanding the basic framework of Indian society <ul style="list-style-type: none"> Indian social structure: Socio Spatial Dimensions Social institutions: family, marriage, economy, education, religion and political system Diversity in India Caste system Class stratification Tribes of India 	8
2	Caste and Social Hierarchies in India: Origin, evolution and present day implications <ul style="list-style-type: none"> Caste system Caste system in urban and rural spaces Untouchability Reservation system Politics and caste Dalit movements and changing dynamics of caste 	8
3	Gender and Patriarchy in Indian Society: Intersectionality of Gender and Social Structure in India <ul style="list-style-type: none"> Patriarchy: Past and present Gender roles Gender inequality Violence against women Dowry Women empowerment: Idea, debate and politics 	8
4	Religion, Communalism and Secularism: Role of religion in shaping Indian society <ul style="list-style-type: none"> Secularism Communalism Religious diversity Religious conflict. 	4
5	Class and Economic Inequality in India: Class stratification, economic inequality vis-à-vis modernization and neoliberal policies <ul style="list-style-type: none"> Class structure Poverty Economic disparity Rural urban divide Unorganized Labor sector 	7
6	Social Movements and Change in India <ul style="list-style-type: none"> Major Social movements 	7

	<ul style="list-style-type: none"> • Social activism and organizations today • Reforms. 	
Total Lectures		42

Suggested Text Books

1. Yogesh Atal: *Sociology: Study of the Social Sphere*. Pearson Education, 2015.
2. Singer Milton and S Cohn Bernard(eds.): *Structure and Change in Indian Society*. Rawat, 2015.
3. Satish Deshpande: *Contemporary India: A Sociological View*. Penguin Books, 2003.
4. Dipankar Gupta (ed.): *Social Stratification in India*. Oxford University Press, 1992.

Suggested Reference Books

1. B.S. Cohn: *An Anthropologist Among the Historians and other Essays*. OUP, 1987.
2. A.T.Embree and M. Juergensmeyer: *Imagining India: Essays in Indian History*. OUP, 1989.
3. S.M.Dahiwalé (ed.): *Understanding Indian Society: The Non Brahmanic Perspective*. Rawat Pub, 2005.
4. Leela Gandhi: *Postcolonial Theory: A Critical Introduction*. OUP, 1998.

Evaluation Scheme

S NO	Examination	Marks	Duration	Coverage/Scope of Examination
1	T-1	15	1 Hour	Syllabus covered up to T-1
2	T-2	25	1.5 Hours	Syllabus covered up to T-2
3	T-3	35	2 Hours	Syllabus covered up to T-3
4	TA	25	Entire Semester	Quiz: 12 Marks Class participation and Assignments: 8 Marks Attendance: 5 Marks

Course Outcomes (COs) contribution to the Programme Outcomes (POs)

Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Average
CO1	-	-	1	2	-	3	-	3	3	2	-	3	2.43
CO2	-	1	2	2	1	3	-	3	3	2	-	3	2.22
CO3	-	1	1	2	-	3	1	3	3	2	-	3	2.11
CO4	-	2	2	3	2	3	2	3	3	2	-	3	2.50
CO5	-	2	2	3	2	3	2	3	3	3	-	3	2.60
Average	-	1.50	1.60	2.40	1.67	3.00	1.67	3.00	3.00	2.20	-	3.00	2.37

Understanding Global Cinema: Themes, Narratives and Transformations

COURSE CODE:

COURSE CREDITS: 3

CORE/ELECTIVE: Elective

L-T-P: 3-0-0

Pre-requisite: None

Course Objectives

1. Understanding cinema as an art form
2. To understand and evaluate the social and political aspects of cinema
3. To understand evolving representation of gender and identity in the cinematic medium
4. To explore cinema as a site of subversive potential and subaltern resistance
5. To see alternative dimensions of cinema such as representation of natural aesthetics and the world of fantasy.

Course Outcomes:

SNo	Course Outcomes	Level of Attainment
CO-1	Understanding and appreciating the art form of cinema with a historical perspective	Familiarity
CO-2	Enable social and cognitive skills to understand the societal and political aspect of cinema	Assessment and Usage
CO-3	Critically analyse gender-dynamics in cinematic representations	Assessment and Usage
CO-4	Assessing cinema as a site for resistance	Assessment
CO-5	Using different elements of myth, folk and nature in cinema	Assessment and Usage

Unit	Contents	Lectures Required
1	More than a story: History of Cinema <ul style="list-style-type: none"> • Cinema as an art form • Cinema in nineteenth and early twentieth century • Technology and Cinema • <i>A trip to the Moon, Kelly Gang, Raja Harishchanda, Alam Ara</i> 	7
2	Language of Cinema: Visual Narratives and Ideological Representations <ul style="list-style-type: none"> • Visual Language • Picture and Narration • Ideological imprints in the celluloid space • Nationalism and Cinema • <i>Bahubali, The Great Dictator, The God Father, The Cow</i> 	7
3	Gendered Narratives: Male-Female Dichotomy and Critical Formulations <ul style="list-style-type: none"> • Cinema as a gendered space • Male Gaze in Cinema • Questioning patriarchy in cinema's visual space • Gender roles- affirmations and criticism in cinema • <i>Sujata, The Great Indian Kitchen, Tomb Raider, Mard Ko Dard Nahi Hota</i> 	7
4	Identity and Representation: Cinema from the Margins <ul style="list-style-type: none"> • Politics and hegemony of cinematic representations • Representation of marginalized groups in new age cinema • Redefining mainstream: Finding voices and challenging narratives • <i>Fandry, Aligarh, American Files: X History, Happy Together</i> 	7
5	Cinema and Resistance: The Subversive Potential of Cinema <ul style="list-style-type: none"> • Art and resilience • Mobilizing potential of cinema • Questioning status quo: Cinema of protest • <i>Asuran, Court, Jai Ho, Dances with Wolves</i> 	7

6	Technology and Environment: Aesthetics of Nature in Cinema and Artificial Intelligence <ul style="list-style-type: none"> • Visual language of nature and disasters • VFX, other technologies, and portrayal of nature • AI in cinema • Imagined catastrophes • <i>2012, Kalki, Pather Panchali, Her</i> 	7
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PS: Movies mentioned in the Units will be discussed along with the subject matter in the class. One of the movies in each unit will be screened followed by the discussion with the students.

Suggested Readings

1. Daisy Hirst: What is Cinematic Language and How Do You Use It? <https://industrialscripts.com/cinematic-language/>, 2021.
2. Giles Deleuze: The Movement-Image, Cinema-I, The Athlone Press, 1986.
3. J.S. Jha: Floating Words and the Aesthetics of the Visual Vernacular: Political Culture in Contemporary India, Journal of Human Values, 2022.
4. Laura Mulvey: Visual Pleasure and Narrative Cinema, Film: Psychology, Society and Ideology, OUP, 1975.
5. M. E. Combs-Schilling: Casablanca 1993: Negotiating Gender in the Performative Space, Journal of Ritual Studies, 1996.
6. Shekhar Deshpande, Meta Mazaj: World Cinema: A Critical Introduction, Routledge, 2018

Suggested Reference Books

1. Jennifer Coates, E. Ben-Ari: Japanese Visual Media: Politicizing the Screen, Routledge, 2022
2. Joshil K. Abraham, Judith Misrahi-Barak: The Routledge Companion to Caste and Film in India, Taylor and Francis, 2022

Evaluation Scheme:

S. No.	Exam	Duration	Coverage/ Scope of Examination
1	T1 Exam	1 hour	Syllabus Covered up to T1
2	T2 Exam	1.5 hour	Syllabus Covered up to T2
3	T3 Exam	2 hour	Entire Syllabus
4	Teacher's Assessment (TA)	Entire Semester	Assignment (2)- 10 Quiz (1)- 10

			Attendance- 5
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Course Outcomes (COs) contribution to the Programme Outcomes (POs)

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	Average
CO-1	1	2	1	2	1	2	x	2	1	3	x	3	1.8
CO-2	1	2	2	3	3	3	2	3	2	3	x	3	2.4
CO-3	x	2	2	3	1	3	1	3	2	3	x	3	2.3
CO-4	x	3	2	3	1	3	2	3	2	3	x	3	2.5
CO-5	2	2	2	2	3	3	3	2	1	2	x	3	2.3
Average Score	1.3	2.2	1.8	2.6	1.8	2.8	1.6	2.6	1.6	2.8		3	2.3

Dr. Amit Bhivastava

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
(Established by H.P. State Legislature vide Act No. 14 of 2002)

Ref.:

Date: 30-12-2023

Department of Humanities and Social Sciences

A meeting of Board of Studies (BOS) of the **Department of Humanities and Social Sciences** was held as per the following schedule:

Meeting Name:	Board of Studies –Department of Humanities and Social Sciences		
Date of Meeting:	30-12-2023	Time:	
Chairman:	Dr. Amit Srivastava	Location:	Via E-mail

1. Meeting Objective:

To approve New courses - Audit for semester II and Electives for VI and VIII semester, offered by the HSS department

2(a). Meeting Attendees:

The following members were present

Dr. Amit Srivastava	Chairman
Dr. Neena Jindal	Member Coordinator
Dr. Anupriya Kaur	Member-1
Dr. Tanu Sharma	Member-2
Dr. Deler Singh	Member-3
Dr. Vikas Baghel	Member-4 (IQAC Representative, JUIT)
Dr. Sunil Kumar Khah	Member-5 (IQAC Representative, JUIT)
Dr. Kamal Kumar (HOD) HSS IIT Ropar	External Member-1 (Academic)
Mr. Neelabh Singh	External Member-2 (Industry/R&D)
Ms. Ana Agarwal	External Member-3 (Alumni)
2(b). Leave of Absence: NIL	

Agenda for the meeting was sent via email

3. Action Items / Instructions: Following decisions were taken/approved by the members of BoS.

Item:1 : To approve New courses-Audit for semester II

Item2: Electives for VI semester

Item3: Open Elective for VIII semester

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
(Established by H.P. State Legislature vide Act No. 14 of 2002)

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, SOLAN								
BTech 2 nd , 6 th and 8 th Semester (Proposed)								
Sem	Category Code	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
				L	T	P		
II	Audit		English Language Skills	0	1	0	0	1
VI	Elective		Engineering Economics	3	0	0	3	3
VI	Elective		History and Philosophy of Science and Technology	3	0	0	3	3
VIII	Open Elective		Introduction to the study of Language	3	0	0	3	3

The same has been approved as proposed

SIGNED ATTENDANCE SHEET ATTACHED HEREWITH

Note: Signed copy of Agenda and MOM of BOS with all annexure should be forwarded to IQAC for record.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

ATTACHED SIGNED ATTENDANCE SHEET

 (Dr. Kamal Kumar Choudhary)	 (Mr. Neelabh Singh)	 (Ms. Ana Aggarwal)
 (Dr. Anupriya Kaur)	 (Dr. Tanu Sharma)	 (Dr. Deler Singh)
 (Dr. Vikas Baghel)	 Prof. Sunil Kumar Khah)	 (Dr. Neena Jindal) BOS Coordinator, HSS
 (Dr. Amit Srivastava) Chairman BOS, HSS		 (Prof. Ashok Kumar Gupta) Dean (A&R)

Approved / Not Approved

Vice Chancellor

Neena Jindal <neena.jindal@juitsolan.in>

27/12/24, 9:33 AM



BOS Agenda for Approval

11 messages

20 December 2023 at 14:48

Neena Jindal <neena.jindal@juitsolan.in>
To: Ana Aggarwal <aggarwal.ana@gmail.com>, Neelabh SINGH <neelabh.singh@st.com>, Kamal Kumar Choudhary <kamal@iitpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Members,

Greetings for the day.

Agenda

The new courses to be introduced are as follows:

(Only for those the students identified as weak students in English after Diagnostic Test)

1. English Language Skills - II Sem Audit Course (Only for those the students identified as weak students in English after Diagnostic Test)
2. Engineering Economics - VI Sem Elective Course of 3 credits
3. History and Philosophy of Science and Technology - VI Sem Elective Course of 3 credits
4. Introduction to the Study of Language - VIII Sem Elective Course of 3 credits

I request you to kindly approve the outlines of the courses mentioned above (or provide suggestions if any) and revert to this mail as confirmation by December 23, 2023.

Curriculum is attached with the mail.

Thanks and regards
Dr. Neena Jindal
Assistant Professor

Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

 **BOS courses Jan 2024.zip**
81K

Vikas Baghel <vikas.baghel@juitsolan.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Ana Aggarwal <aggarwal.ana@gmail.com>, Neelabh SINGH <neelabh.singh@st.com>, Kamal Kumar Choudhary <kamal@iitpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

23 December 2023 at 10:48

It seems OK to me, please go ahead.

[Quoted text hidden]

--

Dr. Vikas Baghel

Assistant Professor (Senior Grade)

Department of Electronics & Communication Engineering

Jaypee University of Information Technology

Waknaghat, Distt-Solan 173 234

Himachal Pradesh India

Phone: 01792-239268 (O)

Mobile: 9878330166

Alternate Email: vikas.baghel@juit.ac.in

Neena Jindal <neena.jindal@juitsolan.in>

To: Vikas Baghel <vikas.baghel@juitsolan.in>

23 December 2023 at 10:49

Thanks sir

[Quoted text hidden]

Kamal Kumar Choudhary <kamal@iitpr.ac.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Ana Aggarwal <aggarwal.ana@gmail.com>, Neelabh SINGH <neelabh.singh@st.com>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

27 December 2023 at 14:15

Dear Dr. Neena,

Thanks for the email. The courses look good. Please go ahead.

21/12/24, 9:33 AM

Thanks and best wishes,

Kamal

[Quoted text hidden]

Dr. Kamal Kumar Choudhary

Associate Professor
Room No-24, Third Floor, SAB Building
Department of Humanities and Social Sciences
Indian Institute of Technology Ropar, Main Campus
Bara Phool, Birla Seed Farms, Rupnagar-140001, Punjab, India
Phone: 0091-1881-232267
Mobile: 0091-8699449269
Email: kamal@iitrpr.ac.in/ kchoudhary1@gmail.com
Skype id: kchoudhary1
Website: <http://www.iitrpr.ac.in/humanities/kamal>
Lab Webpage: <https://sites.google.com/site/iitrprcl/>
ORCID ID: <http://orcid.org/0000-0002-0232-0003>

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27 December 2023 at 14:48

Sunil Kumar Khah <sunil.khah@juitsolan.in>

To: Neena Jindal <neena.jindal@juitsolan.in>

Dear Neena

The courses seem fine, but can we alter names of courses.
regards

Prof.Sunil Kumar Khah
Controller of Examinations & Incharge IQAC
Jaypee University of Information Technology, Wagnaghat.
Distt. Solan (H.P)

Pin:173 215

Phone: (O)91-1792-239221

(Direct)257999(ext-221)

(R)91-1792-224229

(Cell) 9816975754

Fax:91-1792-245362

On Wed, Dec 20, 2023 at 2:50 PM Neena Jindal <neena.jindal@juitsolan.in> wrote:

[Quoted text hidden]

27 December 2023 at 14:50

Neena Jindal <neena.jindal@juitsolan.in>
To: Kamal Kumar Choudhary <kamal@iitpr.ac.in>

Thanks sir

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

[Quoted text hidden]

Neena Jindal <neena.jindal@juitsolan.in>

To: Sunil Kumar Khah <sunil.khah@juitsolan.in>

27 December 2023 at 14:50

Thanks sir

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences
Jaypee University of Information Technology,
Waknaghat, Solan (HP) 173234
Mobile Number: 9318785766

[Quoted text hidden]

Neena Jindal <neena.jindal@juitsolan.in>

To: Ana Aggarwal <aggarwal.ana@gmail.com>, Neelabh SINGH <neelabh.singh@st.com>, Kamal Kumar Choudhary <kamal@iitpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Deter Singh <deter.singh@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

27 December 2023 at 16:56

Dear BOS member

Gentle reminder for the approval of the courses
Dr. Vikas, Dr. Khah and Prof. Kamal has already sent their consent.

Thanks and regards
Dr. Neena Jindal
Assistant Professor
Department of Humanities and Social Sciences

[Quoted text hidden]

Tanu Sharma <tanu.sharma@juitsolan.in>
To: Neena Jindal <neena.jindal@juitsolan.in>

27 December 2023 at 19:31

Dear Dr Neena

I have yet to go through the attached course outlines

As this time of the year is a busy time with checking answer sheets and making results of around 450 students

I'll be able to give my comments by 30/12/23

Regards

Dr Tanu

[Quoted text hidden]

Ana Aggarwal <aggarwal.ana@gmail.com>

To: Neena Jindal <neena.jindal@juitsolan.in>

Cc: Neelabh SINGH <neelabh.singh@st.com>, Kamal Kumar Choudhary <kamal@iitpr.ac.in>, Anupriya Kaur <anupriya.kaur@juitsolan.in>, Tanu Sharma

2 January 2024 at 21:22

<tanu.sharma@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Vikas Baghel <vikas.baghel@juitsolan.in>, Amit Srivastava <amit.srivastava@juitsolan.in>

Hi Ma'am,

Wishing everyone a Happy New Year. Please go ahead with these outlines & courses. Sincere apologies for the delay.

Regards,

Ana.

[Quoted text hidden]

--

Ana Aggarwal

Neelabh SINGH <neelabh.singh@st.com>

To: Neena Jindal <neena.jindal@juitsolan.in>, Ana Aggarwal <aggarwal.ana@gmail.com>, Kamal Kumar Choudhary <kamal@iitpr.ac.in>, Anupriya Kaur

2 January 2024 at 21:46

<anupriya.kaur@juitsolan.in>, Tanu Sharma <tanu.sharma@juitsolan.in>, Deler Singh <deler.singh@juitsolan.in>, Sunil Kumar Khah <sunil.khah@juitsolan.in>, Vikas Baghel

<vikas.baghel@juitsolan.in>
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>

Dear Neena Ji,

Pls go ahead with the proposal.

Sorry for the delay as I have been on vacation since 20th December.

2/7/24, 9:33 AM

Warm regards,
Neelabh

Jaypee University of Information Technology Mail - BOS Agenda for Approval

ST Restricted

From: Neena Jindal <neena.jindal@juitsolan.in>
Sent: Wednesday, December 27, 2023 4:56:50 PM
To: Ana Aggarwal <aggarwal.ana@gmail.com>; Neelabh SINGH <neelabh.singh@st.com>; Kamal Kumar Choudhary <kamal@iitrpr.ac.in>; Anupriya Kaur <anupriya.kaur@juitsolan.in>; Tanu Sharma <tanu.sharma@juitsolan.in>; Deler Singh <deler.singh@juitsolan.in>; Sunil Kumar Khah <sunil.khah@juitsolan.in>; Vikas Baghel <vikas.baghel@juitsolan.in>
Cc: Amit Srivastava <amit.srivastava@juitsolan.in>
Subject: Re: BOS Agenda for Approval

[Quoted text hidden]

English Language Skills

COURSE CODE:
COURSE CREDITS: 0
CORE/ELECTIVE: Core
L-T-P: 0-0-2

Pre-requisite: None

Course Objectives:

1. The course aims to improve students' abilities to learn to speak and write grammatically correct sentences.
2. The course will primarily focus on improving students' command over English language in formal as well as informal settings.
3. The course will also focus on helping students design effective resumes, and write effective emails, letters and other official documents.

Course outcomes

SNo	Course Outcomes	Level of attainment
CO1	To improve students' abilities to speak and write grammatically correct sentences.	Usage
CO2	To help students design effective resumes, and write effective emails, letters and other official documents.	Usage
CO3	To improving students' command over English language while interacting in various formal as well as informal settings.	Usage

Course Contents:

Unit 1	Grammar and Usage: Basic concepts of grammar using software and additional exercises (Reading and writing Skills) Software: (i) Level Test of Tense Buster (ii) Practical 1 and 2 of Tense Buster (iii) Worksheets on grammar	6
Unit 2	Spoken English Language Skills Development (Speaking Skills) (i) Self Introduction, (ii) Practicing speaking in various formal and informal communicative situations	8
Unit 3	Presentation Skills (Speaking and Listening Skills) (i) Delivering PowerPoint presentations with emphasis on pronunciation, intonation and body language (ii) Understanding how to handle questions during presentations and respond appropriately	8
Unit 4	Writing formal documents Practicing writing letters, emails, resume and cover letters	6
Total lectures		28

Suggested Text Book(s):

1. Central Institute of English and Foreign Languages: *Exercises in Spoken English. Parts. I-III*. Hyderabad. OUP, 1997.
2. G. Leech: *A Communicative Grammar of English*, ROUTLEDGE, 2012.
3. Michael Swan: *Practical English Usage*, OUP, 1995.
4. William Zinsser: *On Writing Well*, Harper Resource Book, 2001.
5. Liz Hamp-Lyons and Ben Heasley: *Study Writing*, Cambridge University Press, 2006.
6. F.T. Wood: *Remedial English Grammar*, Macmillan, 2007

Suggested Reference Book(s):

1. H.S. Mukherjee: *Business Communication-connecting at work*, Oxford University Press, 2nd Edition 2013.
2. R.V Lesikar, M.E. Flatley, K Rentz, N Pande: *Business communication, 12th Edition*, McGraw Hill, 2009.

Evaluation Scheme:

S No	Examination	Marks
1	Lab Marks	20
2	Self Introduction and other oral communication activities	20
3	PowerPoint Presentations	20
4	Letter Writing	10
5	Emails	10
6	Resume and Cover letter	20

Course Outcomes (COs) contribution to the Programme Outcomes (POs)

Course outcomes	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	Average
CO-1	1	2	2	2	2	3	3	2	3	3	2	3	2.3
CO-2	1	2	2	2	2	3	3	2	3	3	2	3	2.3
CO-3	1	2	2	2	2	3	3	2	3	3	2	3	2.3
Average	1	2	2	2	2	3	3	2	3	3	2	3	2.3

ENGINEERING ECONOMICS

COURSE CODE:

COURSE CREDITS: 3

CORE/ELECTIVE: ELECTIVE

L-T-P: 3-0-0

Course Objectives:

1. To provide understanding about economics and its applicability to engineering discipline.
2. To impart knowledge about the fundamental concepts and theories in economics.
3. To engage in learning the techniques of economic thinking and decision making.
4. To make the students familiar with the fundamentals of financial perspectives of Indian economy.

Course Outcomes:

S. No	Course Outcomes	Level of attainment
CO-1	Understand the economic terminology and concepts and use the principles of economics in engineering discipline.	Familiarity and usage
CO-2	To analyze the economic theories, cost concepts and pricing techniques.	Familiarity
CO-3	Apply knowledge of economic constraints in choosing alternatives by performing economic analysis.	Usage
CO-4	Apply Quantitative Tools and Techniques for production, cost and revenue.	Usage
CO-5	To understand the various forms of economic systems at micro and macro level.	Familiarity

Course Contents:

UNIT	Course Content	Lectures
1.	Introduction to Engineering Economics: Definitions, Nature, Scope and application; Economic Problems and attempted solutions: Scarcity and Choice; Principles of economics, Difference between Micro-Economics and Macro-Economics; How markets work: Theory of Demand & Supply: Meaning, Determinants, Law of Demand, Elasticity of demand, Demand Forecasting, Law of Supply, Equilibrium between Demand & Supply, Consumer equilibrium, Optimizing Conditions, Price, Substitution	8

	and income effect, Consumer Surplus, Derivation of Demand Curve.	
2.	Theory of Production, Costs and Revenue: Production functions, Isoquants, Least Cost combination, Laws of Returns to Scale. Factor substitution; Ridge lines; least cost combination of factors, Economics and Diseconomies of Scale of production, Producer Surplus, Cost and Cost curves, Cost function: different concepts of costs, short run cost analysis and long run cost, Analysis relation between the expansion path and cost function, Excess Capacity and Reserve Capacity Revenue and Revenue curve, Profit maximization, Break even analysis and its uses.	8
3.	Market Structure: Meaning, Types of Markets, Characteristics (Perfect Competition, Monopoly, Monopolistic Competition, Oligopoly) Price and Output Determination; Product Differentiation; Selling Costs; Excess Capacity.	8
4.	Money and Inflation: Money in the Modern Economy; Banking and credit creation; Credit Control: Open Market Operations and other measures; Money Multiplier; Money Demand and Interest Rates; Money and Inflation in the Long Run: Demand for Money: Classical, Keynes, Friedman's and Tobin's approaches; Supply of money: Money supply functions, components and determinants; H-theory of money supply; Money multiplier-concept and determinants; Measures of money supply; Reserve bank's analysis of money supply, Inflation and Money Growth, Costs of Inflation.	6
5.	After-Tax Economic Analysis: Income Tax Terminology and Basic Relations, Calculation of Cash Flow after Taxes, Effect on Taxes of Different Depreciation Methods and Recovery Periods, Depreciation Recapture and Capital Gains (Losses), After-Tax Evaluation, After-Tax Replacement Study, After-Tax Value-Added Analysis, After-Tax Analysis for International Projects	7
6.	Indian Economy, Foreign Trade & Investment: Indian Economy: monetary, fiscal policies and their implications. Trade and investment factors, trade protectionism; balance of payment, devaluation and exchange rate determination, Trade Policy Instruments and their Impact on Welfare, Trade and Income Distribution, International Factor Movements, Theories of Exchange Rate and BOP (Balance of Payments) and Different	

	Approaches to the BOP.	5
	Total Lectures	42

Suggested Text Books:

Hal R. Varian. Intermediate Microeconomics, W. W. Norton and Company, 2019.

Henderson J., & Quandt, R.E. Microeconomic Theory: A Mathematical Approach. McGraw Hills, New Delhi.

N. Gregory Mankiw. Principles of Microeconomics, 8th Ed., Cengage Learning India Pvt, 2022.

Leland T. Blank & Anthony J. Tarquin, Engineering Economy, McGraw-Hill, 2007.

Ruder Dutt and Sundaram, Indian Economy, 65th Ed., S. Chand, 2018.

D. Salvatore, International Economics, 11th Ed., John Wiley & Sons, 2013.

Handa, J. Monetary Economics. Routledge.

References:

A. Koutsoyiannis. Modern Microeconomics. Macmillan.

Mark Hirschey, Fundamental of Managerial Economics, South Western Educational Publishing.

Paul DeGarmo. Engineering Economics. Prentice Hall.

Blank, L., & Tarquin, A. Engineering Economy. McGraw Hill.

Sodersten, BO, International Economics. Macmillan Press Ltd. London

Evaluation Scheme:

S. No	Exam	Marks	Duration	Coverage / Scope of Examination
1.	T-1	15	1 Hour.	Syllabus covered upto T-1
2.	T-2	25	1.5 Hours	Syllabus covered upto T-2
3.	T-3	35	2 Hours	Entire Syllabus
	Teaching Assessment	25	Entire Semester	Class Performance– 10 MCQ-10 Attendance – 5

Course Outcomes (COs) contribution to the Programme Outcomes (POs):

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Average
CO1	3	3	3	2	x	x	1	x	2	1	2	3	2.22
CO2	2	3	3	3	2	x	1	3	3	2	x	3	2.5
CO3	3	3	3	3	3	2	1	2	1	1	x	3	2.27
CO4	3	3	3	3	3	3	2	3	1	1	1	3	2.41
CO5	1	2	2	x	2	x	3	2	3	2	2	3	2.2
Average	2.4	2.8	2.4	2.75	2.5	3	1.6	2.5	2	1.4	1.67	3	2.3

History and Philosophy of Science and Technology

COURSE CODE:

COURSE CREDITS: 3

CORE/ELECTIVE: Elective

L-T-P: 3-0-0

Pre-requisite: None

Course Objectives:

1. Develop an understanding of the historical development of scientific and technological knowledge and their impact on society.
2. Explore the key figures, events, and movements that have shaped the history of science and technology.
3. Analyse the cultural, social, and political contexts in which scientific and technological advancements have occurred.
4. Examine the ethical and philosophical issues related to science and technology, including questions of responsibility, ethics in research, and the implications of technological advancements.
5. Foster critical thinking skills by engaging with primary and secondary sources, and by evaluating different philosophical perspectives on science and technology.
6. Gain an appreciation for the interplay between scientific, technological, and philosophical thought throughout history.
7. Cultivate an awareness of the connections between science, technology, and society and how these relationships have evolved over time.

SNo	Course Outcomes	Level of Attainment
CO1	The course will facilitate an understanding of the historical development of scientific and technological knowledge and their impact on society.	Familiarity
CO2	The course will enable students to understand the profound philosophical underpinnings of the domain of engineering.	Assessment
CO3	Course will cultivate a spirit of enquiry about the importance of science and technology in nation building and nurturing more democratic and secular societies	Assessment
CO4	The course will outline the social, political and cultural embeddedness of STEM and discuss the relevance socially and culturally engaging knowledge production and engineering practices.	Usage
CO-5	Course will introduce the emerging fields of STEM-Social Science interfaces and equip the students to aspire for intellectual and academic pursuits in those areas..	Usage

Course Content

Unit	Content	Lectures Required
1	<p>Why Social Sciences Matter in Science and Technology?</p> <ul style="list-style-type: none"> • How do different social sciences work? • How do history, philosophy and sociology engage with S&T? • STS, SHOT and SCOT <p>Science and Technology: Key Philosophical Underpinnings</p> <ul style="list-style-type: none"> • Science and technology's different relations to philosophy • The relationship between technology and science • The challenges and complexities in philosophical understanding of science and technology • How does science work and scientific knowledge progress? • How do science institutions and establishments work? <p>Science, Non-Science and Pseudoscience</p> <ul style="list-style-type: none"> • How to distinguish non-science from pseudoscience • Why philosophy is important to understand science and technology? <p>Understanding key Concepts</p> <ul style="list-style-type: none"> • <i>Episteme</i> and <i>Techne</i> • Ontology, epistemology and other key concepts • Realism, constructionism and constructivism 	6
2	<p>History of Technology</p> <ul style="list-style-type: none"> • The Greeks • Later developments • Ambiguity in the meaning of technology <p>Philosophy of Technology</p> <ul style="list-style-type: none"> • The centrality of design to technology and other methodological Issues • Design as decision making • Metaphysical issues in philosophy of technology • The status and characteristics of artefacts <p>Ethical Aspects of Technology</p> <ul style="list-style-type: none"> • Cultural and political approaches • Engineering ethics • Ethics of specific technologies • Neutrality versus moral agency • Technological risks 	6

3	Philosophy of Science <ul style="list-style-type: none"> • Positivism • Karl popper and theory of falsification • Thomas Kuhn and Paradigm Shift, • Scientific community and scientific progress • Poststructuralism and critique of Science • Criticism of Poststructuralism 	6
4	Modernity and History of Science <ul style="list-style-type: none"> • Early Scientists and their fights with the Church • Science and Colonialism : post-colonial critiques • Non-Western traditions of knowledge and Needham's question • Knowledge systems of ancient China • Knowledge systems of Arab world • Globalisation of scientific knowledge 	6
5	Knowledge Systems in Ancient and Medieval India <ul style="list-style-type: none"> • Mathematics and approximation of pi • Ancient botany and medicinal practices in India • Political science in ancient India • Scope and challenges of Indian Knowledge Systems 	6
6	Science and Technology in Modern India Sociological and Historical Perspectives <ul style="list-style-type: none"> • Nationalism and S&T: theoretical insights: Asiatic mode of production, , oriental despotism, JD Bernal and social function of science • Science historiography in India • Great Indian Scientists and their works • IITS, IIMS and other institution building • Science and technology in five years plans • NSM and the critique of Bernalism • People's science movement 	6
7	STS and Sociology of Science <ul style="list-style-type: none"> • Introduction to sociology of science • The social and economic roots of <i>Philosophiae Naturalis Principia Mathematica</i> • The problem of demarcation • Feminist critique of science • Risk theories • Understanding technoscience • Science and state • Science and social order 	6
	Total	42

Essential Readings

1. Franssen, M., Lokhorst, G.-J., & van de Poel, I. (2023, March 6). *Philosophy of Technology*. Stanford Encyclopedia of Philosophy. <https://plato.stanford.edu/entries/technology/>
2. Losee, J. (1980). *A Historical Introduction to Philosophy of Science*. Oxford University Press. (only the relevant section as recommended by the instructor)
3. Merchant, C. (1980). *The death of nature: Women, ecology, and the Scientific Revolution*. (Introduction Chapter)
4. Polanyi, M. (1962). The Republic of Science. *Minerva*, 1(1), 54–73. <https://doi.org/10.1007/bf01101453>
5. Raina, D. (1990). Commoditised Science or Science for Consumption? *Economic and Political Weekly*, 25 (40), 2245-2247.
6. Raina, D. (1997). Evolving Perspectives on Science and History: A chronicle of Modern India's Scientific Enchantment and Disenchantment (1850–1980). *Social Epistemology*, 11 (1), 3-24.
7. Sarukkai, S. (2012). *What is Science?* National Book Trust, India. (Introduction Chapter)
8. Sismondo, S. (2010). *An Introduction to Science and Technology Studies*. Wiley-Blackwell. (Chapter 1 and 2)
9. Star, S. L. (1988). Introduction: The Sociology of Science and Technology. *Social Problems*, 35(3), 197–205. <https://doi.org/10.2307/800618>
10. Visvanathan, S. (2000). A Letter to the 21st Century. *Economic and Political Weekly*, 35(1/2), 12–15.

Evaluation Scheme

Si No.	Exam	Marks	Coverage/Scope of Examination
1	T-1	15	Unit 1 and 2
2	T-2	25	Till Unit 5
3	T-3	35	Till Unit 7
4	Article Review	10	Students are tasked with reading three academic articles of a common theme in their choice as approved by the instructor and submit a review of the same. (Individual Assignment)
5	Research Proposal	15	The students are required to prepare a research proposal on

			any topic on the interface between Social Sciences and STEM. (Group Assignment)
--	--	--	--

Course Outcomes (COs) contribution to the Programme Outcomes (POs)

	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	Average
CO-1	1	2	1	3	X	3	3	3	2	2	X	3	2.3
CO-2	1	3	1	2	X	3	3	3	2	2	1	3	2.18
CO-3	1	3	1	3	X	3	3	3	2	2	2	3	2.36
CO-4	1	3	1	3	X	3	3	3	3	3	1	3	2.45
CO-5	2	3	1	3	X	3	3	3	3	3	1	2	2.45
Average	1.2	2.8	1	2.8	X	3	3	3	2.4	2.4	1	2.8	2.34

Introduction to the Study of Language

COURSE CODE:

COURSE CREDITS: 3

CORE/ELECTIVE: Elective

L-T-P: 3-0-0

Pre-requisite: None

Course Objectives

1. Develop interest for studying and analyzing languages among technical students.
2. Talk about linguistic theories- phonetics, phonology, morphology, syntax and semantics- to discuss how these branches of knowledge employ certain ideas and tools to study languages across the world.
3. To understand how languages function on the level of independent sounds, combined sounds, meaningful words, and meaningful sentences.
4. Explore interdisciplinary domains such as sociolinguistics, psycholinguistics and neurolinguistics
5. Discuss briefly other practical applications of linguistics, such as, computational linguistics.

Course Outcomes:

SNo	Course Outcomes	Level of Attainment
CO-1	Understand and learn the basics of linguistics	Assessment and Usage
CO-2	Enable students to learn the linking of sounds, formation of words, structure of sentences, and exchange of meaning in languages	Assessment and Usage
CO-3	Understand the critical link between language learning and human brain	Familiarity
CO-4	Understand the power-dynamics involved with languages in the contemporary world and the factors involved such as location, gender, media etc.	Usage
CO-5	Application of linguistic knowledge in other domains- such as neurology, computational linguistics, etc.	Familiarity

Unit	Contents	Lectures Required
1	What is Linguistics? <ul style="list-style-type: none"> • Why is the study of language important? • Origin of Languages • Language and Brain • Components of Linguistics 	8
2	Phonetics and Phonology <ul style="list-style-type: none"> • What is phonetics? • Articulatory Phonetics- Place of articulation, Manner of Articulation • Acoustic Phonetics- Pitch, Loudness, and Quality of Sounds • Organisation of Speech Sounds- Phonology • Syllables, Stress, and Intonation 	8
3	Morphology <ul style="list-style-type: none"> • Introduction to Morphology • Word Formation • Morphs, Morphemes and Allomorphs • Inflections and Derivations 	6
4	Introduction to Syntax <ul style="list-style-type: none"> • Word Order in Languages • Rules and Constraints • Phrases • Constituents of a sentence and Constituency Tests 	8
5	Introduction to Semantics <ul style="list-style-type: none"> • What constitutes as meaning in language? • Lexical Relations • Entailment and Implicature • Logic and Truth in Language • Ambiguities in Language 	6
6	Sociolinguistics <ul style="list-style-type: none"> • Gender and Language • Multilingualism and Diglossia • Code Mixing and Code Switching • Language and Colonialism • South Asia as a Linguistic Area 	6

Suggested Books

1. Victoria Fromkin, Nina Hyams, Robert Rodman: *An Introduction to Language*, 10th Edition, Wadsworth CENGAGE Learning, 2014.
2. John Lyons: *Language and Linguistics: An Introduction*, Cambridge University Press, 2003

Suggested Reference Books

1. Peter Ladeford, Keith Johnson: *A Course in Phonetics*, 7th edition, Wadsworth Publishing, 2014.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Ref.: JUIT/PMS/BOS/March_2024_1

Date: 07-03-2024

Department of Physics and Materials Science

A meeting of Board of Studies (BoS) of the **Department of Physics and Materials Science** was held as per the following schedule:

Meeting Name:	Board of Studies –Department of Physics and Materials Science		
Date of Meeting:	07-03-2024	Time:	03:00 pm
Chairman:	Prof.(Dr.) P. B. Barman	Location:	JUIT (Online mode)

1. Meeting Objective:

1. Approval for the M.Sc. Physics Ist year (Semester I and Semester II) courses
2. Finalization of syllabus of the courses for the M.Sc. Physics Ist year (Semester I and Semester II)

2(a). Meeting Attendees: The following members were present

Prof.(Dr.) P. B. Barman (Professor and HOD, PMS)	Chairman
Dr. Ragini Raj Singh (Associate Professor, PMS)	Member Secretary / Coordinator
Prof.(Dr.) Sunil Kumar Khah	Member-1
Prof.(Dr.) Vineet Sharma (Professor, PMS)	Member-2
Dr. Surajit Hazra (Associate Professor, PMS)	Member-3
Dr. Sanjiv Kumar Tiwari (Assistant Professor, PMS)	Member-4
Prof.(Dr.) Tirath Raj Singh	Member -5 (Professor from Department of Bt and BI)
Dr. Vikas Baghel (IQAC Representative, JUIT)	Member IQAC
Dr. Shovit Bhattacharya	External Member-3 (Industry/R&D-Scientist G)
Prof.(Dr.) Pankaj Sharma	Senior Alumni (NITTTR, Chandigarh)
Dr. Santu Baidya	Special Invitee (Asst. Prof. Dept of PMS JUIT)

2(b). Leave of Absence: The following members were granted leave of absence by the Chairman, BOS

Dr. Pushpendra Singh	External Member (Academic)
----------------------	----------------------------

The Chairman welcomed all the members who were present for the meeting. The meeting was thereafter deliberated by Dr. Ragini Raj Singh on agenda items as had been approved by the Chairman.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

3. Action Items / Instructions: Following decisions were taken/approved by the members of BoS.

Item No. 1 : To approve the minutes of last meeting of the BoS.

No objection was received from any BoS member for the earlier BoS therefore all the items proposed were considered to be approved.

Item No. 2 : To approve the courses and their respective syllabus of the following courses of MSc (Physics) first and second semester offered by Department of Physics & Materials Science.

Semester I (Credits: 16)

S. No.	Course Code	Course Name	L-T-P	Credit
I	XXXXXXX	Mathematical Physics (Appendix-A)	3-0-0	3
II	XXXXXXX	Classical Physics (Appendix-B)	3-0-0	3
III	XXXXXXX	Quantum Mechanics (Appendix-C)	3-0-0	3
IV	XXXXXXX	Electrodynamics (Appendix-D)	3-0-0	3
V	XXXXXXX	Experimental Techniques (Appendix-E)	2-0-0	2
VI	XXXXXXX	Laboratory-I	0-0-4	2

Semester II (Credits: 17)

S. No.	Course Code	Course Name	L-T-P	Credit
VII	XXXXXXX	Computational Physics (Appendix-F)	3-0-0	3
VIII	XXXXXXX	Statistical Physics (Appendix-G)	3-0-0	3
IX	XXXXXXX	Condensed Matter Physics-I (Appendix-H)	3-0-0	3
X	XXXXXXX	Atomic and Molecular Physics (Appendix-I)	3-0-0	3
XI	XXXXXXX	Electronics (Appendix-J)	3-0-0	3
XII	XXXXXXX	Laboratory-II	0-0-4	2

The BOS members advised some changes in the revised syllabus of the subjects in the meeting. The changes were made according to the suggestions. The revised syllabus after the modification suggested by BOS members is attached as **Annexure 1**.

ATTACH SIGNED ATTENDANCE SHEET **Annexure II**.

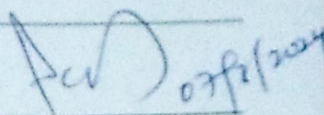
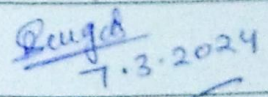

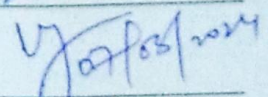
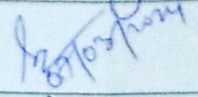
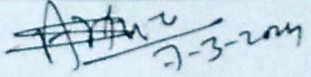
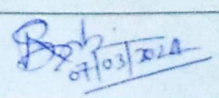
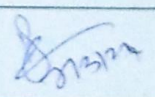
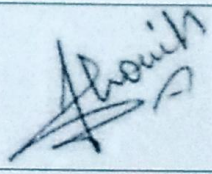
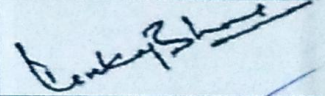
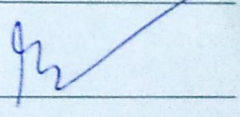
Chairman
(P. B. Barman), (HOD, PMS)

Member Secretary/ Coordinator
(Ragini Raj Singh)

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Annexure II

Meeting Attendees and their attendance: The following members were present		Signatures
Prof.(Dr.) P. B. Barman (Professor and HOD, PMS)	Chairman	
Dr. Ragini Raj Singh (Associate Professor, PMS)	Member Secretary / Coordinator	
Prof.(Dr.) Sunil Kumar Khah	Member-1	
Prof.(Dr.) Vineet Sharma (Professor, PMS)	Member-2	
Dr. Surajit Hazra (Associate Professor, PMS)	Member-3	
Dr. Sanjiv Kumar Tiwari (Assistant Professor, PMS)	Member-4	
Prof.(Dr.) Tirath Raj Singh	Member (Professor from Department of Bt and BI)	
Dr. Vikas Baghel (IQAC Representative, JUIT)	Member IQAC	
Dr. Shovit Bhattacharya	External Member-3 (Industry/R&D-Scientist G)	
Prof.(Dr.) Pankaj Sharma	Senior Alumni (NITTTR, Chandigarh)	
Dr. Santu Baidya	Special Invitee (Asst. Prof. Dept of PMS JUIT)	
Leave of Absence: The following members were granted leave of absence by the Chairman, BOS		
Dr. Pushpendra Singh	External Member (Academic)	Absent

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Ref.: JUIT/PMS/BOS/June_2023_1

Date: 16-06-2023

Department of Physics and Materials Science

A meeting of Board of Studies (BoS) of the **Department of Physics and Materials Science** was held as per the following schedule:

Meeting Name:	Board of Studies –Department of Physics and Materials Science		
Date of Meeting:	16-06-2023	Time:	04:00 pm
Chairman:	Prof.(Dr.) P. B. Barman	Location:	JUIT (Online mode)

1. Meeting Objective:

1. To introduce Open Electives for VIII Semester students of BTech in CSE, IT, BT, BI and ECE in view of new scheme of 160 credits for BTech programmes Biomaterials, Biosensors and Computational nanotechnology.

2. Syllabus bench marking and up-gradation for the core courses.

2(a). Meeting Attendees: The following members were present

Prof.(Dr.) P. B. Barman (Professor and HOD, PMS)	Chairman
Dr. Ragini Raj Singh (Associate Professor, PMS)	Member Secretary / Coordinator
Prof.(Dr.) Vineet Sharma (Professor, PMS)	Member-2
Dr. Surajit Hazra (Associate Professor, PMS)	Member-3
Dr. Sanjiv Kumar Tiwari (Assistant Professor, PMS)	Member-4
Prof.(Dr.) Rajiv Kumar (Professor & HOD, ECE, JUIT)	Co-opted Member-1
Prof.(Dr.) Vivek Kumar Sehgal (Professor & HOD, CS&IT, JUIT)	Co-opted Member-2
Prof.(Dr.) Rakesh Kumar Bajaj (Professor & HOD, Mathematics, JUIT)	Co-opted Member-3
Dr. Amit Srivastava (Associate Professor & HOD, HSS, JUIT)	Co-opted Member-4
Dr. Anil Kant (Representative, HOD BT and BI, JUIT)	Co-opted Member-5
Dr. Saurabh Rawat (Representative, HOD, CE, JUIT)	Co-opted Member-6
Dr. Vikas Baghel (IQAC Representative, JUIT)	Member IQAC
Dr. Shovit Bhattacharya	External Member-3 (Industry/R&D)
Dr. Diksha Painuly	External Member-4 (Industry/R&D)
Dr. Santu Baidya	Special Invitee

2(b). Leave of Absence: The following members were granted leave of absence by the Chairman, BOS

Prof.(Dr.) Sunil Kumar Khah (Professor, COE and IQAC head, PMS)	On Official Tour (Member 1)
Prof.(Dr.) K. L. Yadav	External Member-1 (Academic)
Dr. Pushpendra Singh	External Member-2 (Academic)

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

The Chairman welcomed all the members who were present for the meeting. The meeting was thereafter deliberated by Dr. Ragini Raj Singh on agenda items as had been approved by the Chairman.

3. Action Items / Instructions: Following decisions were taken/approved by the members of BoS.

Item No. 1 : To approve the minutes of last meeting of the BoS.

No objection was received from any BoS member for the earlier BoS therefore all the items proposed were considered to be approved.

Item No. 2 : To consider the revision in the course syllabus of the following courses offered by Department of Physics & Materials Science.

S. No.	Subject Code	Subject Name	Semester	Status	L	T	P	Credit	Hours
1	xxB11PH111	(a)Engineering Physics I	Semester-I (Core)	For BTech CSE, IT, ECE and CE	3	1	0	4	4
2	xxB11PH211	(b)Engineering Physics II	Semester-II (Core)	For BTech CSE, IT, ECE and CE	3	0	0	3	3
3	xxB11PH112	(c)Basic Engineering Physics I	Semester-I (Core)	For BTech Bioinformatics and BTech Biotechnology	3	1	0	4	4
4	xxB1WPH212	(d) Bioinstrumentation Techniques	Semester-II (Core)	For BTech Bioinformatics and BTech Biotechnology	3	1	0	4	4
5	xxB1WPH531	(e) Science and Technology of Materials	Semester-III (Core)	For BTech ECE	3	0	0	3	3
6	xxB1WPH532	(f) Applied materials Science	Semester-III (Core)	For BTech CSE, IT	3	0	0	3	3

The BOS members advised some changes in the revised syllabus of the subjects in the meeting. The changes were made according to the suggestions. The revised syllabus after the modification suggested by BOS members is attached as **Annexure 1**.

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Item No. 3 : To consider and approve the three new open Electives (Biomaterials, Biosensors and Computational Nanotechnology) for 8th Semester.

a) Biomaterials

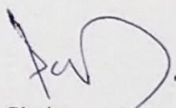
b) Biosensors

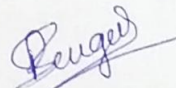
c) Computational Nanotechnology

S. No.	Subject Code	Subject Name	Semester	Status	L	T	P	Credit	Hours
1	xxB1WPHxxx	Biomaterials	Semester-VIII (OPEN)	Open Elective (Category: Non Departmental Electives)	3	0	0	3	3
2	20B1WPH831	Biosensors	Semester-VIII (OPEN)	Open Elective (Category: Non Departmental Electives)	3	0	0	3	3
3	xxB1WPHxxx	Computational Nanotechnology	Semester-VIII (OPEN)	Open Elective (Category: Non Departmental Electives)	3	0	0	3	3

The syllabus of the open electives is attached in **Annexure II**. Biomaterial has been approved as it is. The syllabus of Biosensors has been reduced and modified as per the suggestions of the BOS members. Some minor modifications have been done in the Computational nanotechnology also.

ATTACH SIGNED ATTENDANCE SHEET **Annexure III**.

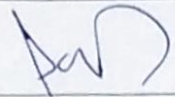
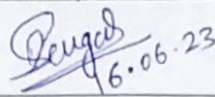
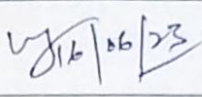
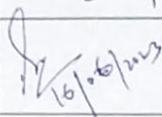
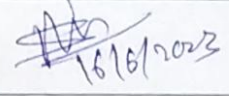

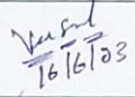
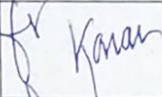
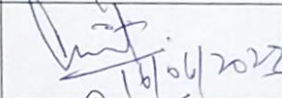
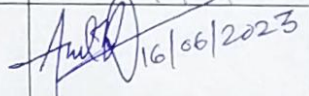
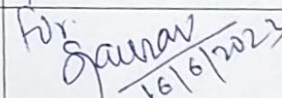
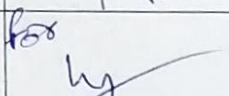
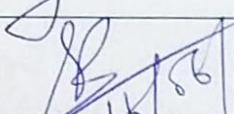

Chairperson
(P. B. Barman)
(HOD, PMS)


Member Secretary/ Coordinator
(Ragini Raj Singh)

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

Board of Studies Meeting of the Department of Physics and Materials Science, Jaypee University of Information technology held on 16th June 2023 at 04:00 PM



Meeting Attendees: The following members were present		Signatures
Prof.(Dr.) P. B. Barman (Professor and HOD, PMS)	Chairman	
Dr. Ragini Raj Singh (Associate Professor, PMS)	Member Secretary / Coordinator	 16.06.23
Prof.(Dr.) Vineet Sharma (Professor, PMS)	Member-2	 16/06/23
Dr. Surajit Hazra (Associate Professor, PMS)	Member-3	 16/06/2023
Dr. Sanjiv Kumar Tiwari (Assistant Professor, PMS)	Member-4	 16/6/2023
Prof.(Dr.) Rajiv Kumar (Professor & HOD, ECE, JUIT)	Co-opted Member-1	 16/06/2023
Prof.(Dr.) Vivek Kumar Sehgal (Professor & HOD, CS&IT, JUIT)	Co-opted Member-2	 16/6/23
Prof.(Dr.) Rakesh Kumar Bajaj (Professor & HOD, Mathematics, JUIT)	Co-opted Member-3	 for Kanar
Dr. Amit Srivastava (Associate Professor & HOD, HSS, JUIT)	Co-opted Member-4	 16/06/2023
Dr. Anil Kant (Representative, HOD BT and BI, JUIT)	Co-opted Member-5	 16/06/2023
Dr. Saurabh Rawat (Representative, HOD, CE, JUIT)	Co-opted Member-6	 for Saurav 16/6/2023
Dr. Vikas Baghel (IQAC Representative, JUIT)	Member IQAC	 for
Dr. Santu Baidya (Assistant Professor, PMS)	Special Invitee	 16/06/2023

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

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**Board of Studies Meeting of the Department of Physics and Materials Science, Jaypee**  
**University of Information Technology held on 16<sup>th</sup> June 2023 at 04:00 PM**

|                         |                                     |                                                                                      |
|-------------------------|-------------------------------------|--------------------------------------------------------------------------------------|
| Prof.(Dr.) K. L. Yadav  | External Member-1<br>(Academic)     | Leave of absence                                                                     |
| Dr. Pushpendra Singh    | External Member-2<br>(Academic)     | Leave of absence                                                                     |
| Dr. Shovit Bhattacharya | External Member-3<br>(Industry/R&D) |   |
| Dr. Diksha Painuly      | External Member-4<br>(Industry/R&D) |  |



**JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY**  
WAKNAGHAT, P.O. - WAKNAGHAT,  
TEHSIL - KANDAGHAT, DISTRICT - SOLAN (H.P.)  
PIN - 173234 (INDIA) Phone Number: +91-1792-257999  
(Established by H.P. State Legislature vide Act No. 14 of 2002)



Ref.: JUIT/PMS/45/BOS/May\_2024\_2

Date: 22-05-2024

## Department of Physics and Materials Science

A meeting of Board of Studies (BoS) of the **Department of Physics and Materials Science** was held as per the following schedule:

|                         |                                                               |                  |                                              |
|-------------------------|---------------------------------------------------------------|------------------|----------------------------------------------|
| <b>Meeting Name:</b>    | Board of Studies –Department of Physics and Materials Science |                  |                                              |
| <b>Date of Meeting:</b> | 22-05-2024                                                    | <b>Time:</b>     | 03:00 pm                                     |
| <b>Chairman:</b>        | Prof.(Dr.) P. B. Barman                                       | <b>Location:</b> | Board Room, JUIT (Online mode +Offline mode) |

### **1. Meeting Objective:**

1. Approval for structure and credit distribution of the M.Sc. Physics IInd year (Semester III and Semester IV) courses
2. Finalization of syllabus of the courses for the M.Sc. Physics IInd year (Semester III and Semester IV)

### **2(a). Meeting Attendees: The following members were present**

|                                                             |                                            |
|-------------------------------------------------------------|--------------------------------------------|
| Prof.(Dr.) P. B. Barman (Professor and HOD, PMS)            | Chairman                                   |
| Dr. Shovit Bhattacharya, BARC, Trombay, Mumbai              | External Member (Industry/R&D-Scientist G) |
| Dr. Pushpendra P. Singh, IIT Ropar                          | External Member (Academics)                |
| Prof.(Dr.) Pankaj Sharma, NITTTR, Mohali                    | Senior Alumni (NITTTR, Chandigarh)         |
| Prof.(Dr.) Tiratha Raj Singh, JUIT                          | Member -5 (Department of BT and BI)        |
| Dr. Vikas Baghel (IQAC Representative, JUIT)                | Member IQAC                                |
| Prof. Vivek Sehgal, JUIT                                    | HOD, Department of CSE                     |
| Dr. Emjee Puthooran (Associate Professor, ECE), JUIT        | Representative of HOD ECE                  |
| Prof.(Dr.) Sunil Kumar Khah, COE and Coordinator IQAC, JUIT | Member-1                                   |
| Prof.(Dr.) Vineet Sharma (Professor, PMS), JUIT             | Member-2                                   |
| Dr. Surajit Hazra (Associate Professor, PMS), JUIT          | Member-3                                   |
| Dr. Sanjiv K Tiwari (Assistant Professor, PMS), JUIT        | Member-4                                   |
| Dr. Santu Baidya, JUIT                                      | Special Invitee (Asst. Prof. Dept of PMS)  |
| Dr. Haresh Rawal, JUIT                                      | Special Invitee (Asst. Prof. Dept of PMS)  |
| Dr. Ragini Raj Singh (Associate Professor, PMS)             | Member Secretary and Coordinator           |





**JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY**  
**WAKNAGHAT, P.O. - WAKNAGHAT,**  
**TEHSIL - KANDAGHAT, DISTRICT - BOLAN (H.P.)**  
**PIN - 173234 (INDIA) Phone Number- +91-1792-257999**  
 (Established by H.P. State Legislature vide Act No. 14 of 2002)



**2(b). Leave of Absence:** The following members were granted leave of absence by the Chairman, BOS

Nil

Nil

The Chairman welcomed all the members present for the meeting. The agenda of the meeting was opened by member secretary Dr. Ragini Raj Singh.

**3. Action Items / Instructions:** Following decisions were taken/approved by the members of BoS.

Item No. 1 : To approve the minutes of last meeting of the BoS.

No objection was received from any BoS member for the earlier BoS therefore all the items proposed were considered to be approved.

Item No. 2 : To approve the courses and their respective syllabus of the following courses of MSc (Physics) III and IV semester offered by Department of Physics & Materials Science.

#### Semester III (Credits: 18)

| S. No. | Course Code | Course Name                  | L-T-P | Credit |
|--------|-------------|------------------------------|-------|--------|
| I      | 24MS1PHxxx  | Electronics-II               | 3-0-0 | 3      |
| II     | 24MS1PHxxx  | Particle and Nuclear Physics | 3-0-0 | 3      |
| III    | 24MS1PHxxx  | Condensed Matter Physics-II  | 3-0-0 | 3      |
| IV     | 24MS1PHxxx  | Advanced Quantum Mechanics   | 3-0-0 | 3      |
| V      | 24MS1PHxxx  | Elective-I                   | 3-0-0 | 3      |
| VI     | 24MS1PHxxx  | Project Part-I               | 0-0-6 | 3      |

#### Semester IV (Credits: 21)

| S. No. | Course Code | Course Name     | L-T-P  | Credit |
|--------|-------------|-----------------|--------|--------|
| VII    | 24MS1PHxxx  | Elective-II     | 3-0-0  | 3      |
| VIII   | 24MS1PHxxx  | Elective-III    | 3-0-0  | 3      |
| IX     | 24MS1PHxxx  | Project Part-II | 0-0-30 | 15     |

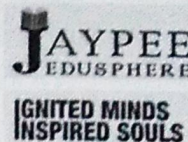
Item No. 3 : III semester courses Particle and Nuclear Physics were merged.

Item No. 4 : Semester III will consist of 4 core courses, one elective and project part-1 each have 3 credits.





**JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY**  
WAKNAGHAT, P.O. – WAKNAGHAT,  
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)  
PIN – 173234 (INDIA) Phone Number- +91-1792-257999  
(Established by H.P. State Legislature vide Act No. 14 of 2002)



Item No. 5 : Total credits for semester III are 18.

Item No. 6 : Semester IV consists of two elective courses, it has been advised by the BOS members that Elective must be floated on the basis of current academic and industry needs.

Item No. 7 : Total credits for semester IV will be 21.

Item No. 8 : The project for the M. Sc. Physics will be intensive research based. This has been suggested by the BOS members that student can do his/her project from other eminent institutes also and elective courses can be chosen on MOOCs etc.

Item No. 9 : In principle approval was obtained for the following points:

(1) each time before offering the elective to the students the respective syllabus will be sent to the BOS members for their suggestions and advice.

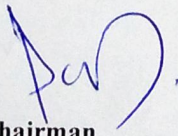
(2) After receipt of the comments and recommendations from the BOS members electives can be offered without a formal BOS meeting.

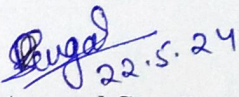
Item No. 10 : The strcture and credit system for session 2024-2025 admitted students will be discussed in next BOS.

Attached signed attendance sheet ***Annexure I.***

The List of the elective courses is attached as ***Annexure II.***

The BOS members advised some changes in syllabus of the subjects in the meeting. The changes were made according to the suggestions. The revised syllabus after the modification suggested by BOS members is attached as ***Annexure III.***

  
**Chairman**  
(P. B. Barman), (HOD, PMS)

  
**Member Secretary and Coordinator**  
(Ragini Raj Singh)





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**IGNITED MINDS**  
**INSPIRED SOULS**

## Annexure-I

| Meeting Attendees and their attendance: The following members were present                 |                                                 | Signatures |
|--------------------------------------------------------------------------------------------|-------------------------------------------------|------------|
| Prof. (Dr.) P. B. Barman<br>(Professor and HOD, PMS)                                       | Chairman                                        |            |
| Dr. Shovit Bhattacharya,<br>BARC, Trombay, Mumbai                                          | External Member-3 (Industry/R&D-Scientist G)    |            |
| Dr. Pushpendra P. Singh, IIT Ropar                                                         | External Member (Academic)                      |            |
| Prof. (Dr.) Pankaj Sharma,<br>NITTTR, Mohali                                               | Senior Alumni (NITTTR, Chandigarh)              |            |
| Prof. (Dr.) Tiratha Raj Singh,<br>JUIT                                                     | Member (Professor from Department of BT and BI) |            |
| Dr. Vikas Baghel (IQAC Representative, JUIT)                                               | Member IQAC                                     |            |
| Prof. Vivek Sehgal, JUIT                                                                   | HOD, Department of CSE                          |            |
| Dr. Emjee Puthooran<br>(Associate Professor, ECE), JUIT                                    | Representative of HOD ECE                       |            |
| Prof. (Dr.) Sunil Kumar Khah, COE and Coordinator IQAC, JUIT                               | Member-1                                        |            |
| Prof.(Dr.) Vineet Sharma<br>(Professor, PMS), JUIT                                         | Member-2                                        |            |
| Dr. Surajit Hazra (Associate Professor, PMS), JUIT                                         | Member-3                                        |            |
| Dr. Sanjiv K Tiwari<br>(Assistant Professor, PMS), JUIT                                    | Member-4                                        |            |
| Dr. Santu Baidya, JUIT                                                                     | Special Invitee (Asst. Prof. Dept of PMS)       |            |
| Dr. Haresh Rawal, JUIT                                                                     | Special Invitee (Asst. Prof. Dept of PMS)       |            |
| Dr. Ragini Raj Singh<br>(Associate Professor, PMS)                                         | Member Secretary / Coordinator                  |            |
| Leave of Absence: The following members were granted leave of absence by the Chairman, BOS |                                                 | Nil        |
|                                                                                            |                                                 |            |





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## Appendix-II

A list of the courses that will be offered in M.Sc. Second year as electives:

| S. No. | Title of the Course                       |
|--------|-------------------------------------------|
| 1      | Advances in Ferrites                      |
| 2      | Advanced Materials Science                |
| 3      | Fluctuation And Magnetism                 |
| 4      | antenna theory                            |
| 5      | Science and Technology of Nanocomposites  |
| 6      | Conducting Polymers                       |
| 7      | Soft ferrites                             |
| 8      | Semiconducting Luminescent Materials      |
| 9      | Microstrip Antenna Design                 |
| 10     | Advances in dilute magnetic semiconductor |
| 11     | Advances in Nanotechnology                |
| 12     | Review of Materials Science               |
| 13     | Smart Materials                           |
| 14     | Thin film Transistors                     |
| 15     | Sensors for Engineering Applications      |
| 16     | Digital Electronics                       |
| 17     | Quantum Computing                         |

\*Other electives that are not on this list may also be offered as per requirement.



Ref.: JUIT/MATH/2023-24/09

Date: 21.05.2024

## Department of Mathematics

A meeting of Board of Studies (BoS) of the Department of Mathematics was held as per the following schedule in online mode:

|                         |                                              |                  |                     |
|-------------------------|----------------------------------------------|------------------|---------------------|
| <b>Meeting Name:</b>    | Board of Studies – Department of Mathematics |                  |                     |
| <b>Date of Meeting:</b> | 17 May 2024                                  | <b>Time:</b>     | 11:00 am– 01:00 pm  |
| <b>Chairman:</b>        | Prof. Rakesh K. Bajaj                        | <b>Location:</b> | Online –Google meet |

### 1. Meeting Objective:

1. To discuss and obtain recommendation for the curriculum scheme/syllabus for B.Sc. (Maths & Computing) 2023-2024

### 2(a). Meeting Attendees: The following members were present

|                         |                                     |
|-------------------------|-------------------------------------|
| Prof. Rakesh K. Bajaj   | Chairman                            |
| Prof. R. S. Raja Durai  | Member Coordinator                  |
| Dr. Neel Kanth          | Member-1                            |
| Dr. Bhupendra K. Pathak | Member-2                            |
| Dr. Surajit Hazra       | Member-3                            |
| Prof. M. K. Sharma      | External Member-1 (Academic)        |
| Dr. Gaurav Mittal       | External Member-2 (Industry/R&D)    |
| Mr. Abhinav Anand       | External Member-3 (Alumni)          |
| Prof. Sunil Kumar Khah  | Member-4(IQAC Representative, JUIT) |
| Prof. Vivek Sehgal      | HOD – CSE                           |
| Dr. Amit Srivastava     | HOD – HSS                           |
| Prof. Rajiv Kumar       | HOD – ECE                           |
| Dr. M. Udayabanu        | On For HOD - BT&BI                  |

### 2(b). Leave of Absence: The following members were granted leave of absence by the Chairman, BOS

|     |  |
|-----|--|
| Nil |  |
|     |  |
|     |  |

The Chairman welcomed all the members who were present for the meeting. The meeting was thereafter deliberated by Dr. R.S. Raja Durai on agenda items as had been approved by the Chairman.



**3. Action Items / Instructions:** Following decisions were taken/approved by the members of BoS:

**Item-1:** To consider the review & approval of 2<sup>nd</sup> year course structure for the 4-year program - B. Sc. (Hons.) in Mathematics and Computing for the 2023-2024 admitted batch.

*The proposed curriculum have been updated based on the following suggestions/recommendations:*

**Third Semester**

| S. No.       | Category Code | Course Name                              | Course Code | Core/Elective / NMC | L | T | P | Credits   | Contact Hours |
|--------------|---------------|------------------------------------------|-------------|---------------------|---|---|---|-----------|---------------|
| 1            | Core          | Introduction to Numerical Computing      |             | Core                | 3 | 0 | 0 | 3         | 3             |
| 2            | Core          | Real Analysis and Differential Equations |             | Core                | 3 | 1 | 0 | 4         | 4             |
| 3            | SEC-01        | Life Skills and Interpersonal Dynamics   | 21B11HS312  | (SEC-01)            | 3 | 0 | 0 | 3         | 3             |
| 4            | DSE-01        | Database Management Systems              | 18B11CI313  | (DSE-01)            | 3 | 0 | 0 | 3         | 3             |
| 5            | DSE-02        | Python Programming Essentials            | 18B11CI314  | (DSE-02)            | 3 | 0 | 0 | 3         | 3             |
| 6            | DSE-01        | Database Management Systems Lab          | 18B17CI373  | (DSE-01)            | 0 | 0 | 4 | 2         | 4             |
| 7            | DSE-02        | Python Programming Lab                   | 18B17CI374  | (DSE-02)            | 0 | 0 | 4 | 2         | 4             |
| 8            | Core          | Introduction to Numerical Computing Lab  |             | Core                | 0 | 0 | 2 | 1         | 2             |
| 9            | Core          | Minor Project - I                        |             | Core                | 0 | 0 | 6 | 3         | 6             |
| <b>Total</b> |               |                                          |             |                     |   |   |   | <b>24</b> | <b>32</b>     |

**Fourth Semester**

| S. No.       | Category Code | Course Name                         | Course Code | Core/Elective / NMC | L | T | P | Credits   | Contact Hours |
|--------------|---------------|-------------------------------------|-------------|---------------------|---|---|---|-----------|---------------|
| 1            | Core          | Optimization for Data Science       |             | Core                | 3 | 0 | 0 | 3         | 3             |
| 2            | DSE-03        | Multivariate Calculus in ML         |             | (DSE-03)            | 3 | 0 | 0 | 3         | 3             |
| 3            | GE-01         | Finance and Accounts                | 18B11HS411  | (GE-01)             | 3 | 0 | 0 | 3         | 3             |
| 4            | Core          | Design & Analysis of Algorithms     | 18B11CI412  | Core                | 3 | 0 | 0 | 3         | 3             |
| 5            | DSE-04        | Modeling and Simulation Techniques  | 18B11CI413  | (DSE-04)            | 2 | 0 | 0 | 2         | 2             |
| 6            | Core          | Optimization for Data Science Lab   |             | Core                | 0 | 0 | 2 | 1         | 2             |
| 7            | DSE-03        | Multivariate Calculus in ML Lab     |             | (DSE-03)            | 0 | 0 | 2 | 1         | 2             |
| 8            | Core          | Design & Analysis of Algorithms Lab | 18B17CI472  | Core                | 0 | 0 | 4 | 2         | 4             |
| 9            | Core          | Minor Project - II                  |             | Core                | 0 | 0 | 6 | 3         | 6             |
| <b>Total</b> |               |                                     |             |                     |   |   |   | <b>21</b> | <b>28</b>     |





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**INSPIRED SOULS**

## Snapshot of BoS held:

convenient to attend the same.

**AGENDA FOR THE PROPOSED BOARD OF STUDIES (BoS) MEETING**

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BoS Item No.1: | To consider the review & approval of 1 <sup>st</sup> & 2 <sup>nd</sup> year course structure for the 4-year program - B. Sc. (Hons.) Mathematics and Computing from 2024-25 AY.<br>[Attached: 2024 B.Sc. (Hons.) Curriculum]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BoS Item No.2: | To consider the review & approval of revised 2 <sup>nd</sup> year course structure of the B. Sc. (Hons.) Mathematics and Computing commenced from 2023-24 AY, and to review & recommend its 3 <sup>rd</sup> semester mathematics courses.<br>(1) Introduction to Numerical Computing [for B.Sc.] (3-1-0; 4 credits)<br>(2) Real Analysis and Differential Equations [for B.Sc.] (3-1-0; 4 credits)<br>[Attached: 2023 B.Sc. (Hons.) Curriculum & two proposed syllabi]                                                                                                                                                                                                                                                                                       |
| BoS Item No.3: | To consider review & recommendation of the following (revised) syllabi of 1 <sup>st</sup> & 2 <sup>nd</sup> year B. Tech. programme, offered to the streams of CSE/IT/EE/CIVIL/BI&BT:<br>(1) Mathematics for Life Sciences-I [for BI&BT] (3-1-0; 4 credits)<br>(2) Mathematics for Life Sciences-II [for BI&BT] (3-1-0; 4 credits)<br>(3) Engineering Mathematics-I [for non-BI&BT] (3-1-0; 4 credits)<br>(4) Engineering Mathematics-II [for non-BI&BT] (3-1-0; 4 credits)<br>(5) Probability, Statistics, and Stochastic Processes [for CSE/IT/EE](3-0-0)<br>(6) Probability and Statistical Methods [for BI&BT] (2-0-0; 2 credits)<br>(7) Probability and Statistical Methods Lab [for BI&BT] (0-0-2; 1 credits)<br>[Attached: The seven revised syllabi] |

P.S.: The documents related to the agenda are forwarded to the members. Members can also send their observations/suggestions via mail

*Neelkanth*  
 21/5/24  
**Dr. Neel Kanth**  
 Member-1

*for Rajiv*  
 21/5/24  
**Dr. Bhupendra K Pathak**  
 Member-2

*Surajit*  
 21/5/24  
**Dr. Surajit Hazra**  
 Member-3

*Amit*  
 21/05/2024  
**Dr. Amit Srivastava**  
 HoD – HSS

*Rajiv Kumar*  
 21/05/2024  
**Dr. Rajiv Kumar**  
 HoD – ECE

*Vivek*  
 21/5/24  
**Dr. Vivek Sehgal**  
 HoD – CSE

*Sunil*  
 22/5/24  
**Prof. Sunil K Khah**  
 IQAC Chairman

*P.B. Barman*  
 21/5/2024  
**Dr. P.B. Barman**  
 HoD – PMS

*Ashish*  
 21/5/2024  
**Dr. Ashish Kumar**  
 HoD – Civil Engg

*Udayabanu*  
 21/5/24  
**Dr. Udayabanu**  
 On For HoD – BI&BT

*R.S. Raja*  
 21.05.24  
**(Dr. R. S. Raja Durai)**  
 Professor, BoS Member Co-ordinator

*Rakesh*  
 21/5/24  
**(Dr. Rakesh Kumar Bajaj)**  
 Prof. and Head, Chairman – BOS

Approved / Not-Approved

Dean (Academics & Research)



## First Semester

| S. No. | Category Code | Course Name                                      | Course Code | Core/Elective/NMC | L     | T | P | Credits | Contact Hours |
|--------|---------------|--------------------------------------------------|-------------|-------------------|-------|---|---|---------|---------------|
| 1      | Core          | Calculus                                         | 22BS1MA111  | Core              | 3     | 1 | 0 | 4       | 4             |
| 2      | Core          | Computer Fundamentals                            | 22BS1CI111  | Core              | 3     | 0 | 0 | 3       | 3             |
| 3      | Core          | Fundamentals of Computer Hardware and Networking | 22BS1CI112  | Core              | 3     | 0 | 0 | 3       | 3             |
| 4      | AECC-01       | English                                          | 21B11HS111  | AECC-01           | 2     | 0 | 0 | 2       | 2             |
| 5      | AECC-01       | English Lab                                      | 21B17HS171  | AECC-01           | 0     | 0 | 2 | 1       | 2             |
| 6      | Core          | Linear Algebra                                   | 22BS1MA112  | Core              | 3     | 1 | 0 | 4       | 4             |
| 7      | Core          | Programming for Problem Solving - II             | 19B11CI111  | Core              | 2     | 0 | 0 | 2       | 2             |
| 8      | Core          | Programming for Problem Solving - II Lab         | 19B17CI171  | Core              | 0     | 0 | 4 | 2       | 4             |
|        |               |                                                  |             |                   | Total |   |   | 21      | 24            |

## Second Semester

| S. No. | Category Code | Course Name                                     | Course Code | Core/Elective/NMC | L     | T | P | Credits | Contact Hours |
|--------|---------------|-------------------------------------------------|-------------|-------------------|-------|---|---|---------|---------------|
| 1      | Core          | Discrete Mathematical Structures                | 22BS1MA211  | Core              | 3     | 0 | 0 | 3       | 3             |
| 2      | Core          | Fundamentals of Probability and Statistics      | 22BS1MA212  | Core              | 3     | 1 | 0 | 4       | 4             |
| 3      | Core          | Data Structures and Algorithms                  | 18B11CI211  | Core              | 3     | 1 | 0 | 4       | 4             |
| 4      | Core          | Introduction to Object-Oriented Programming     | 22BS1CI211  | Core              | 3     | 1 | 0 | 4       | 4             |
| 5      | SEC-01        | UHV II - Understanding Harmony                  | 23B11HS211  | Elective (SEC-01) | 2     | 1 | 0 | 3       | 3             |
| 6      | SEC-01        | Professional Communication Practices            | 23B11HS212  | Elective (SEC-01) | 0     | 1 | 0 | 1       | 1             |
| 7      | AECC-02       | Environmental Studies                           | 18B11GE411  | AECC-02           | 2     | 0 | 0 | 2       | 2             |
| 8      | Core          | Data Structures and Algorithms Lab              | 18B17CI271  | Core              | 0     | 0 | 2 | 1       | 2             |
| 9      | Core          | Introduction to Object-Oriented Programming Lab | 22BS7CI271  | Core              | 0     | 0 | 2 | 1       | 2             |
|        |               |                                                 |             |                   | Total |   |   | 23      | 25            |

## Third Semester

| S. No. | Category Code | Course Name                              | Course Code | Core/Elective/NMC | L     | T | P | Credits | Contact Hours |
|--------|---------------|------------------------------------------|-------------|-------------------|-------|---|---|---------|---------------|
| 1      | Core          | Introduction to Numerical Computing      |             | Core              | 3     | 0 | 0 | 3       | 3             |
| 2      | Core          | Real Analysis and Differential Equations |             | Core              | 3     | 1 | 0 | 4       | 4             |
| 3      | SEC-01        | Life Skills and Interpersonal Dynamics   | 21B11HS312  | Elective (SEC-01) | 3     | 0 | 0 | 3       | 3             |
| 4      | DSE-01        | Database Management Systems              | 18B11CI313  | Elective (DSE-01) | 3     | 0 | 0 | 3       | 3             |
| 5      | DSE-02        | Python Programming Essentials            | 18B11CI314  | Elective (DSE-02) | 3     | 0 | 0 | 3       | 3             |
| 6      | DSE-01        | Database Management Systems Lab          | 18B17CI373  | Elective (DSE-01) | 0     | 0 | 4 | 2       | 4             |
| 7      | DSE-02        | Python Programming Lab                   | 18B17CI374  | Elective (DSE-02) | 0     | 0 | 4 | 2       | 4             |
| 8      | Core          | Introduction to Numerical Computing Lab  |             | Core              | 0     | 0 | 2 | 1       | 2             |
| 9      | Core          | Minor Project - I                        |             | Core              | 0     | 0 | 6 | 3       | 6             |
|        |               |                                          |             |                   | Total |   |   | 24      | 32            |

## Fourth Semester

| S. No. | Category Code | Course Name                         | Course Code | Core/Elective/NMC | L     | T | P | Credits | Contact Hours |
|--------|---------------|-------------------------------------|-------------|-------------------|-------|---|---|---------|---------------|
| 1      | Core          | Optimization for Data Science       |             | Core              | 3     | 0 | 0 | 3       | 3             |
| 2      | DSE-03        | Multivariate Calculus in ML         |             | Elective (DSE-03) | 3     | 0 | 0 | 3       | 3             |
| 3      | GE-01         | Finance and Accounts                | 18B11HS411  | Elective (GE-01)  | 3     | 0 | 0 | 3       | 3             |
| 4      | Core          | Design & Analysis of Algorithms     | 18B11CI412  | Core              | 3     | 0 | 0 | 3       | 3             |
| 5      | DSE-04        | Modeling and Simulation Techniques  | 18B11CI413  | Elective (DSE-04) | 2     | 0 | 0 | 2       | 2             |
| 6      | Core          | Optimization for Data Science Lab   |             | Core              | 0     | 0 | 2 | 1       | 2             |
| 7      | DSE-03        | Multivariate Calculus in ML Lab     |             | Elective (DSE-03) | 0     | 0 | 2 | 1       | 2             |
| 8      | Core          | Design & Analysis of Algorithms Lab | 18B17CI472  | Core              | 0     | 0 | 4 | 2       | 4             |
| 9      | Core          | Minor Project - II                  |             | Core              | 0     | 0 | 6 | 3       | 6             |
|        |               |                                     |             |                   | Total |   |   | 21      | 28            |

## Summary

| Semes | Credits |
|-------|---------|
| I     | 21      |
| II    | 23      |
| III   | 24      |
| IV    | 21      |
| V     | 25      |
| VI    | 23      |
| VII   | 14      |
| VIII  | 11      |
| Total | 162     |

R.S. Raju  
20.05.24  
(Bos. Member Secretary)

Rajaji  
20/5/24  
(HOD, Maths)

Murali  
21/5/24  
(HOD, CSE)



**MINUTES OF MEETING OF ACADEMIC COUNCIL HELD ON**

**28 JUNE 2023**

**General**

Academic Council meeting of Jaypee University of Information Technology, Wagnaghat was held on 28 June, 2023 at 11.00 a.m.

The Chairman, Academic Council extended warm welcome to all the members present in the meeting and expressed thanks to outstation members Sh. Sunil Sharma, Prof. S.C. Saxena, and Prof. Lalit Kumar Awasthi for their presence in the meeting.

He also appreciated the contributions made by Prof. Karanjeet Singh, HoD Mathematics Deptt., Dr. Anupriya Kaur, HoD HSS Deptt., and Prof. Rajiv Ganguly, Deptt. of CE, the outgoing members of the Council, and welcomed the newly inducted members Prof. Rakesh Kumar Bajaj, HoD Mathematics Deptt., Dr. Amit Srivastava, HoD HSS Deptt. and Prof. Vineet Sharma, Deptt. of PMS.

**Attendance**

The following members were present:-

**Chairman**

Prof. Rajendra Kumar Sharma

Vice Chancellor, JUIT, Wagnaghat

**Head of the Other Institution of the Trust**

Prof. S.C. Saxena

Pro-Chancellor, JIIT, Noida

**Distinguished Academicians nominated by the Pro-Chancellor**

Prof. Lalit Kumar Awasthi

Professor, NIT, Hamirpur, Ex-Director, NIT-Jalandhar

**Industry Professionals nominated by the Pro-Chancellor**

Sh. Sunil Sharma

Executive Vice Chairman, Jaiprakash Associates Ltd.

**The Dean of all Faculty of the University**

Prof. Ashok Kumar Gupta

Dean (Academics& Research)

**Heads of the Departments / Centres of the University**

Prof. P. B. Barman

HoD PMS

Prof. Sudhir Kumar

HoD BT&BI

Prof. Ashish Kumar

HoD CE

Prof. Vivek Sehgal

HoD CSE/IT

Dr. Rajiv Kumar

HoD ECE

Prof. Rakesh Kumar Bajaj

HoD Mathematics

Dr. Amit Srivastava

HoD HSS

**Professors other than Heads of Departments**

Prof. Sunil Kumar Khah

CoE

Prof. Vineet Sharma

Deptt. of PMS

**Non-Member Secretary**

Maj Gen Rakesh Bassi, SM (Retd.)

Registrar and Dean of Students



# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established under HP Legislative Assembly Act No. 14 of 2002 and UGC Section 2(f) Approved)

## Leave of Absence, if any

The Chairman, Academic Council granted leave of absence to the following members of the Academic Council as they were not able to attend the meeting of the council due to their pre-engagements:-

Dr. Satish Kumar

Ex-Director, NIT Kurukshetra

Lt Gen Ravindra Mohan Chadha,  
PVSM,ABSM (Retd)

Director, Jaiprakash Power Ventures Ltd

## Agenda Items

### **ITEM NO.1/2023-1**      **CONFIRMATION OF MINUTES OF LAST MEETING OF THE ACADEMIC COUNCIL**

Minutes of the meeting of the last ACM held on 29 November 2021 were forwarded to the members and one comment on item No. 8.2 was received from Head – Civil Engineering Department regarding reconsidering title of the course. As per the comment received from Head Civil Engineering Department, title of the Professional Elective – VI Course “Machine Learning Engineering for Production” (L-T-P: 3-0-0) changed to “Machine Learning Engineering for Production Systems” (L-T-P: 3-0-0). The minutes of the last ACM as per **Annexure-1** with correction in title of the course listed at item No. 8.2 were confirmed.

### **ITEM NO. 2/2023-1**      **ACTION TAKEN REPORT ON THE MINUTES OF THE MEETING OF THE LAST ACADEMIC COUNCIL HELD ON 29 NOVEMBER 2021**

The actions taken on the items approved in the last ACM dated 29 November 2021 were noted by the members.

### **ITEM NO. 3/2023-1**      **APPROVAL FOR DEGREE IN ADVANCE UNDER EXTRAORDINARY CIRCUMSTANCES**

As per the earlier approved policy, Degree Scroll is prepared for students every year who have completed the award of Degree requirement as on 30 September of the year and degrees are being prepared / printed as per the Degree Scroll for the year. Names of the students who have completed the award of Degree requirement after 30 September of the year are being considered for inclusion in the Degree Scroll of next year and subsequent award of degree to the eligible students.

However, in some extraordinary circumstances, the requirement for the award of degree prior to Degree Scroll of next year has been observed under very special circumstances, *i.e.*, to pursue higher studies abroad, to take up PR abroad and to join services.

The proposed item was considered and deliberated by the Council. The Council approved the item and authorized the Chairman, Academic Council (Vice Chancellor) to process such cases following the defined procedure under very special circumstances.

The detailed procedure for processing such cases is as per **Annexure-2**.



# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established under HP Legislative Assembly Act No. 14 of 2002 and UGC Section 2(f) Approved)

## ITEM NO. 4/2023-1 APPROVAL FOR INCLUSION OF FATHER'S NAME AND MOTHER'S NAME IN DEGREE CERTIFICATE

UGC vide D.O. No. 1-38/97 (CPP-II) dated 06/06/2014 notified the need of inclusion of Mother's Name and Father's Name in all the application forms / Degrees / Certificates issued by Universities and Colleges. Copy of the relevant letter of UGC is at **Annexure-3** for reference.

However, the existing approved degree formats issued by the University does not have provisions of Mother's Name and Father's name in the Degree Certificate. It was proposed to include Mother's Name and Father's Name in the Degree Certificate to be issued from 01/07/2023 onwards.

The item was considered and deliberated by the Council and inclusion of Mother's Name and Father's Name in the Degree Certificate to be issued from 01/07/2023 onwards was approved by the Council.

Considering the inclusion of Mother's Name and Father's Name in the Degree Certificates, formats of Degree Certificates be amended accordingly.

## ITEM NO. 5/2023-1 APPROVAL FOR PURSUING TWO ACADEMIC PROGRAMMES SIMULTANEOUSLY

UGC vide D.O. No. 1-6/2007(CPP-II)(New) dated 13/04/2022 has published the guidelines for pursuing two academic programmes simultaneously. Copy of the letter and guidelines are at **Annexure-4**.

Later through D.O. No. 1-6/2007(CPP-II)(New) pt. II dated 10/01/2023 requested to implement these guidelines for the benefit of the students and to devise a mechanism through their Statutory bodies to facilitate the students to pursue two academic programmes simultaneously, as per these guidelines.

The item was considered by the Council and after deliberation; the item was approved with a condition to follow the UGC guidelines for pursuing two academic programmes simultaneously.

## ITEM NO. 6/2023-1 APPROVAL FOR ENGAGING PROFESSOR OF PRACTICE IN THE UNIVERSITIES

UGC vide D.O. No. 9-1/2010(PS/Misc) PT-I dated 14/11/2022 conveyed the guidelines for engaging Professor of Practice in Universities to bring the industry and other professional expertise into the academic institutions through a new category of positions called "Professor of Practice". This new initiative will help to take real world practices and experiences into the class rooms and also augment the faculty resources in higher education institutions. In turn, the industry and society will benefit from trained graduates equipped with the relevant skills. The detailed guidelines for engaging Professor of Practice is at **Annexure-5**.

The Objectives, Duties and Responsibilities, General Conditions, Categories of engagement, Procedure for selecting Professor of Practice, Tenure guidelines are illustrated in the detailed guidelines.



The proposed item was considered by the Council and in principal approval for the same was accorded by the Council.

**ITEM NO. 7/2023-1 APPROVAL FOR CREATION OF SUPERNUMERARY SEATS TO ACCOMMODATE PM CARES FOR CHILDREN SCHEME IN HIGHER EDUCATION**

Secretary, UGC vide D.O. Letter No. F.2-39/2022 (CPP-II) dated 30/03/2022 conveyed regarding creation of supernumerary seats to accommodate children who have lost both their parents during the COVID pandemic to facilitate them to pursue higher education. Copy of the letter is at **Annexure-6**. Govt. of India has launched PM CARES for children scheme for such children and Ministry of women & Child Development with support from the District Magistrates of all the States / UTs are identifying such children. Such identified children will be issued PM CARES for Children Scheme 2021 certificate by the Ministry of Woman & Child Development.

In order to accommodate such children to pursue their higher education whenever they become eligible for admission to the programs, supernumerary seats equal to number of applications received of such candidates in all UG, PG & PhD programs has to be created from the Academic Session 2023-24 onwards.

The item was considered by the Council and Council approved creation of supernumerary seats equal to number of applications received under the category in all UG, PG & PhD Programs from the Academic Session – 2023-24.

**ITEM NO. 8/2023-1 APPROVAL OF RECOMMENDATIONS OF BOARD OF STUDIES (BoS) OF DEPARTMENT OF CIVIL ENGINEERING**

**a) BOARD OF STUDIES (BoS) OF DEPARTMENT OF CIVIL ENGINEERING HELD ON 21/05/2022**

Department of Civil Engineering conducted its Board of Studies (BoS) on 21/05/2022 and recommended the following for approval by the Academic Council:

- I. To consider and approve the course structure and syllabus of the newly introduced BTech Program: BTech in Civil Engineering with Computer Application

The minutes of the BoS of department of Civil Engineering are at **Annexure-7**.

The proposed item was considered by the Council and council approved the same. The approved Course Structure and detailed syllabus of the courses is as per **Annexure-BoS-CE-1 dated 21/05/2022**.

**b) BOARD OF STUDIES (BoS) OF DEPARTMENT OF CIVIL ENGINEERING HELD ON 15/06/2023**

Department of Civil Engineering conducted its Board of Studies (BoS) on 15/06/2023 and recommended the following for approval by the Academic Council:

- I. To consider and approve the minor revision in the course structure of



BTech in Civil Engineering.

- II. To consider and approve the minor revision in the course syllabus of Building Materials and Construction (18B11CE313), Fluid Mechanics (18B11CE412), Surveying (18B11CE312), Water Resources Engineering (18B11CE414) and Design of Steel Structures (18B11CE612).

- III. To consider and approve the addition of a new Professional Elective (Geoinformatics; 3-0-0-3) for BTech Civil Engineering.

The minutes of the BoS of department of Civil Engineering are at **Annexure-8**.

The proposed items were considered by the Council and Council approved the same.

The approved revised course structure of BTech in Civil Engineering is at **Annexure-BoS-CE-1 dated 15/06/2023**.

The approved minor revisions in the syllabus of Building Materials and Construction (18B11CE313), Fluid Mechanics (18B11CE412), Surveying (18B11CE312), Water Resources Engineering (18B11CE414) and Design of Steel Structures (18B11CE612) are at **Annexure-BoS-CE-2 dated 15/06/2023**.

The approved syllabus of newly introduced Professional Elective (Geoinformatics; 3-0-0) is at **Annexure-BoS-CE-3 dated 15/06/2023**.

**ITEM NO. 9/2023-1 APPROVAL OF RECOMMENDATIONS OF BOARD OF STUDIES (BoS) OF DEPARTMENT OF BIOTECHNOLOGY / BIOINFORMATICS**

**a) BOARD OF STUDIES (BoS) OF DEPARTMENT OF BIOTECHNOLOGY / BIOINFORMATICS HELD ON 21/05/2022**

Department of Biotechnology / Bioinformatics conducted its Board of Studies (BoS) on 21/05/2022 and recommended the following for approval by the Academic Council:

- I. To consider and approve of detailed syllabus of courses to be offered in 2nd year of M.Sc. Microbiology Program.
- II. To consider and approve modifications in the syllabus of “Microbial Genetics and Physiology” (21MS1MB212), a course in the 2nd semester of MSc Microbiology.
- III. To consider and approve interchange of elective courses; Computational Systems Biology (Course Code 21MS2MB313; Credits 3) from 3rd to 4th semester, and Microbial Toxicology (Course Code 21MS2MB411, Credits 3) from 4th to 3rd semester in MSc Microbiology second year curriculum.
- IV. To consider and approve inclusion of two new courses on Artificial Intelligence and Data Analytics from the Department of Computer Science in the VII and VIII semester of B. Tech. Bioinformatics Program, in the existing Elective baskets.

The minutes of the BoS of department of Biotechnology / Bioinformatics are at **Annexure-9**.

The proposed items were considered by the Council and council approved the same.

The approved syllabus of courses of 2nd year of M.Sc. Microbiology Program are



at **Annexure-BoS-BT-BI-1 dated 21/05/2022.**

The approved syllabus of “Microbial Genetics and Physiology” (21MS1MB212) is at **Annexure-BoS-BT-BI-2 dated 21/05/2022.**

The approved restructuring of Elective Courses of MSc Microbiology Program is at **Annexure-BoS-BT-BI-3 dated 21/05/2022.**

The approved inclusion of new courses in 7<sup>th</sup> & 8<sup>th</sup> Semester of BTech Bioinformatics Program and approved syllabus of the courses are at **Annexure-BoS-BT-BI-4 dated 21/05/2022.**

**b) BOARD OF STUDIES (BoS) OF DEPARTMENT OF BIOTECHNOLOGY / BIOINFORMATICS HELD ON 03/03/2023**

Department of Biotechnology / Bioinformatics conducted its Board of Studies (BoS) on 03/03/2023 and recommended the following for approval by the Academic Council:

- I. To approve the modification in the course “Environmental studies” taught in second year of BTech program of all Branches as per UGC, NEP.
- II. To consider and approve initiating a Certificate course on “Industrial Plant Tissue Culture” and its contents.

The minutes of the BoS of department of Biotechnology / Bioinformatics are at **Annexure-10.**

The proposed items were considered by the Council and council approved the same.

The approved syllabus of “Environmental Studies” is at **Annexure-BoS-BT-BI-1 dated 03/03/2023.**

The approved Certificate course on “Industrial Plant Tissue Culture” and its contents are at **Annexure-BoS-BT-BI-2 dated 03/03/2023.**

**ITEM NO. APPROVAL OF RECOMMENDATIONS OF BOARD OF STUDIES (BoS) OF  
10/2023-1 DEPARTMENT OF PHYSICS AND MATERIALS SCIENCE**

Department of Physics and Materials Science conducted its Board of Studies (BoS) on 16/06/2023 and recommended the following for approval by the Academic Council:

- I. To consider the revision in the course syllabus of six (06) courses offered by Department of Physics & Materials Science.
- II. To consider and approve the three new Open Electives (Biomaterials, Biosensors and Computational Nanotechnology) during 8th Semester.

The minutes of the BoS of department of Physics & Materials Science are at **Annexure-11.**

The proposed items were considered by the Council and council approved the same.

The approved revised syllabus of six (06) courses offered by Department of Physics & Materials Science are at **Annexure-BoS-PMS-1 dated 16/06/2023.**



The approved three new Open Electives (Biomaterials, Biosensors and Computational Nanotechnology) and syllabus of the new courses are at **Annexure-BoS-PMS-2 dated 16/06/2023**.

**ITEM NO. 11/2023-1 APPROVAL OF RECOMMENDATIONS OF BOARD OF STUDIES (BoS) OF DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES**

**a) BOARD OF STUDIES (BoS) OF DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES HELD ON 15/02/2023**

Department of Humanities & Social Science conducted its Board of Studies (BoS) on 15/02/2023 and recommended the following for approval by the Academic Council:

- I. BTech Minor (20 Credits) in Finance and Marketing.
- II. Introduction of Mandatory UHV II Course (3 Credit) in second semester along with BTech minor in UHV

The minutes of the BoS of department of Humanities & Social Science are at **Annexure-12**.

The proposed items were considered by the Council and council approved the same.

The approved Course Structure of Minor in Finance and Marketing to be offered by department of HSS are at **Annexure-BoS-HSS-1 dated 15/02/2023**.

The approved syllabus of mandatory course of Universal Human Values – II (03 Credits) to be offered in BTech 2<sup>nd</sup> Semester is at **Annexure-BoS-HSS-2 dated 15/02/2023**.

**b) BOARD OF STUDIES (BoS) OF DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES HELD ON 19/06/2023**

Department of Humanities & Social Science conducted its Board of Studies (BoS) on 19/06/2023 and recommended the following for approval by the Academic Council:

- I. To review and approve the Course Structure of newly introduced BBA Program.
- II. To review and approval of detailed syllabi of BBA 1st year courses.
- III. Restructuring of 04 courses offered by HSS department for all branches of BTech 2nd & 3rd Semester, as core courses.
- IV. To consider “Centre for Management Studies” under the Department of Humanities and Social Sciences.
- V. Minor revision in course contents of 02 courses (I Sem – Core Courses) and 2 Open Elective Courses (VIII Sem) for BTech, offered by HSS Department

The minutes of the BoS of department of Humanities & Social Science are at **Annexure-13**.

The proposed items were considered by the Council and council approved the same.

The approved Course Structure of newly introduced BBA Program is at



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## Annexure-BoS-HSS-1 dated 19/06/2023.

The approved syllabus of BBA 1<sup>st</sup> Year Courses are at **Annexure-BoS-HSS-2 dated 19/06/2023.**

The approved restructuring of 04 courses offered by HSS department for BTech 2<sup>nd</sup> & 3<sup>rd</sup> Semester is at **Annexure-BoS-HSS-3 dated 19/06/2023.**

Centre for Management Studies under the Department of Humanities and Social Sciences approved by the Council.

The approved revised syllabus of 02 Core Courses of 1<sup>st</sup> Semester and 02 Open Elective Courses of 8<sup>th</sup> Semester offered by HSS Department are at **Annexure-BoS-HSS-4 dated 19/06/2023.**

## ITEM NO. 12/2023-1 SEAT RATIFICATION FOR ACADEMIC SESSION 2023-24

Seat intake for various courses for the Academic Session – 2023-24 was proposed for approval of the Academic Council. The Council considered the proposal and approved the following for the Academic Session – 2023-24:

### Undergraduate Programs (BTech)

| Program                                                                               | Approved Intake for AS-2023-24 |
|---------------------------------------------------------------------------------------|--------------------------------|
| Computer Science & Engineering (CSE)                                                  | 390#                           |
| Information Technology (IT)                                                           | 60*                            |
| Civil Engineering (CE)                                                                | 30                             |
| Civil Engineering with specialization in Computer Science (CECS)                      | 30                             |
| Biotechnology (BT)                                                                    | 30                             |
| Bioinformatics (BI)                                                                   | 30                             |
| Electronics & Communication Engineering (ECE)                                         | 30                             |
| Electronics & Communication Engineering with specialization in Computer Science (ECS) | 30                             |
| <b>Total</b>                                                                          | <b>630</b>                     |

#Including 03 new specializations: (i) CSE with specialization in Artificial Intelligence & Machine Learning(CSE-AI&ML), (ii) CSE with specialization in Artificial Intelligence and Data Science(CSE-AI&DS),and (iii) CSE with specialization in Cyber Security(CSE-CS).

\*Including 02 new specializations: (i) IT with specialization in Artificial Intelligence & Machine Learning(IT-AI&ML),and (ii) IT with specialization in Artificial Intelligence & Data Science(IT-AI&DS).

### Undergraduate Programs

| Program                                | Proposed Intake for AS-2023-24 |
|----------------------------------------|--------------------------------|
| BSc (Hons.) in Mathematics & Computing | 30                             |
| <b>BBA</b>                             | <b>30</b>                      |



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## Post Graduate Programs (MSc)

### Program

### Approved Intake for AS-2023-24

|               |           |
|---------------|-----------|
| Biotechnology | 30        |
| Microbiology  | 30        |
| Physics       | 30        |
| <b>Total</b>  | <b>90</b> |

## Post Graduate Programs (MTech)

### Program

### Approved Intake for AS-2023-24

|                                                 |           |
|-------------------------------------------------|-----------|
| Computer Science & Engineering (CSE)            | 18        |
| CSE with specialisation in Information Security |           |
| CSE with specialisation in Data Science         |           |
| Electronics & Communication Engineering (ECE)   | 18        |
| ECE with specialisation in Internet of Things   |           |
| Biotechnology                                   | 18        |
| Construction Management                         | 18        |
| Structural Engineering                          |           |
| Environmental Engineering                       |           |
| <b>Total</b>                                    | <b>72</b> |

**Note:** PG Program (MTech) seat intake for each department will be 18 seats.  
A program will run with 5 or more students only.

## Doctoral Programs (PhD)

### Program

### Approved Intake for AS-2023-24

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| Computer Science & Engineering   |                                                                          |
| Civil Engineering                |                                                                          |
| Biotechnology                    | Seats subject to<br>availability of<br>Supervisor in each<br>department. |
| Bioinformatics                   |                                                                          |
| Electronics & Communication Engg |                                                                          |
| Mathematics                      |                                                                          |
| Physics & Materials Science      |                                                                          |
| Humanities & Social Sciences     |                                                                          |

The proposal for introduction of new academic programs and increase in the sanctioned intake of the existing programs were approved by the Chairman – Academic Council vide approval dated 23/02/2023. Copy of the approval is appended at **Annexure-14**

However, Academic Council approved the item with small modifications as listed above in deferment to earlier approval by the Chairman – Academic Council.

**ITEM NO.**  
**13/2023-1**

## **TO REVIEW AND EXTEND THE RESERVATION OF SEATS AND TUITION FEE CONCESSION FOR WARDSOF ARMED FORCES / PARAMILITARY FORCES PERSONNEL / PERSONS WITH DISABILITY AND WARD WIDOWS**

Reservation of 10% seats and concession in Tuition Fee was allowed for the wards of serving / retired armed forces / Paramilitary forces personnel (@30% of tuition fee) and for persons with disability and war widows (@35% of tuition fee) commencing from AY-2019-20 for the duration of 05 years, i.e., upto AY-2023-



24.

The item for allowing further extension to the Reservation Policy and Tuition Fee concession under the policy beyond AY-2023-24 was proposed for review and decision by the Council. The proposed item was deferred by the Council and review of the same shall be done next year after analysing the admissions in this category.

**ITEM NO. 14/2023-1 REPORTING ITEMS**

The following Reporting Items were noted by the Academic Council:-

**14.1 REVISION IN PARENT'S INCOME SLAB FOR AWARD OF WILLIAM WEBSTER MERIT-CUM-MEANS SCHOLARSHIP FROM 2022-23 ADMITTED BATCH**

Chairman Academic Council apprised the members about the decision taken towards the revision in Parent's Annual Income Slab for award of William Webster Merit-Cum-Means Scholarship from 2022-23 (Fresh cases) admitted batch from 1.5 Lacs per annum to 8.0 Lacs per annum considering the revised income slab for the Economically Weaker Section (EWS) category notified by Central Govt. However, there is no change in the annual income slab for the Parent's of the students continuing award of scholarship for the subsequent years.

Copy of the approval dated 27/02/2023 by Chairman – Academic Council is as per **Annexure – 15.**

**14.2 TUITION FEE AND HOSTEL CHARGES FOR INTERNATIONAL STUDENTS**

Chairman Academic Council apprised the members about the Tuition Fees and Hostel Charges for International students. The issue of Tuition Fees and Hostel Charges for international students was also deliberated in the Heads meeting held on 28/12/2022, chaired by the Vice Chancellor. It was unanimously agreed to adopt the Tuition Fees and Hostel charges for International students as approved for JIIT Noida. The adopted Tuition Fee and Hostel charges for international students is as under:

| Programs       | Tuition Fees (per annum) (in USD) | Hostel Charges (per annum) (in USD) |
|----------------|-----------------------------------|-------------------------------------|
| BTech Programs | 11600 USD                         | 3000 USD                            |
| MTech Programs | 5000 USD                          | 3000 USD                            |
| MSc Programs   | 3000 USD                          | 3000 USD                            |
| PhD Programs   | 3000 USD                          | 3000 USD                            |

# 50% Discount in Tuition Fee amount for students of SAARC Nations.

**14.3 REGISTRATION OF UNIVERSITY AND STUDENTS ON ACADEMIC BANK OF CREDITS – AN INITIATIVE TOWARDS IMPLEMENTATION OF NATIONAL EDUCATION POLICY-2020**

Chairman Academic Council apprised the members about the Registration of University and Students on Academic Bank of Credits – an initiative towards implementation of National Education Policy-2020 in compliance to UGC (Establishment and Operation of Academic Bank of Credits in Higher Education) Regulations, 2021 published



in Gazette of India on 28/07/2021 – **Annexure-16**.

JUIT has registered with the Academic Bank of Credits and students admitted in Academic Year 2021-22 onwards have been asked to create ABC ID through the Portal. Out of total 927 Nos. of students, 904 Nos. of students have registered themselves on the portal as on 08/06/2023. This has been done post approval dated 26/12/2022 by the Chairman – Academic Council. Copy of the approval is at **Annexure-17**.

#### **14.4 ADMISSION STATUS – ACADEMIC SESSION 2022-23**

Members were apprised of the admission status for the Academic Session 2022-23 as on 30/11/2022. The sanctioned strength vis-a-vis admission status as on 30/11/2022 is as under:-

| <b>UG Programs (BTech)</b>                  | <b>Sanctioned</b> | <b>Admitted</b> |
|---------------------------------------------|-------------------|-----------------|
| Computer Sc. & Engg.                        | 360               | 357             |
| Information Technology                      | 60                | 45              |
| Electronics & Comm. Engg.                   | 30                | 04              |
| Electronics & Computer Engg.                | 30                | -               |
| Civil Engineering                           | 30                | 04              |
| Civil Engineering with Computer Application | 30                | 02              |
| Biotechnology                               | 30                | 31              |
| Bioinformatics                              | 30                | 13              |
| <b>Total</b>                                | <b>600</b>        | <b>456</b>      |

| <b>PG Programs (MTech)</b>              | <b>Sanctioned</b> | <b>Admitted</b> |
|-----------------------------------------|-------------------|-----------------|
| Computer Science & Engineering          | 18                | 04              |
| CSE (Information Security)              |                   |                 |
| CSE (Data Science)                      |                   |                 |
| Electronics & Communication Engineering | 18                | 02              |
| ECE (Internet of Things)                |                   |                 |
| Biotechnology                           | 18                | 02              |
| Civil (Construction Management)         | 18                | 07              |
| Civil (Structural Engineering)          |                   |                 |
| Civil (Environmental Engineering)       |                   |                 |
| <b>Total</b>                            | <b>72</b>         | <b>15</b>       |

| <b>PG Programs (MSc)</b> | <b>Sanctioned</b> | <b>Admitted</b> |
|--------------------------|-------------------|-----------------|
| Biotechnology            | 30                | 21              |
| Microbiology             | 30                | 04              |
| <b>Total</b>             | <b>60</b>         | <b>25</b>       |

| <b>Doctoral Programs (PhD)</b>   | <b>Sanctioned</b> | <b>Admitted<br/>(till date)</b> |
|----------------------------------|-------------------|---------------------------------|
| Computer Science & Engineering   | -                 | 02                              |
| Civil Engineering                | -                 | 04                              |
| Biotechnology                    | -                 | 01                              |
| Bioinformatics                   | -                 | -                               |
| Electronics & Communication Engg | -                 | 02                              |
| Mathematics                      | -                 | 02                              |
| Physics & Materials Science      | -                 | 01                              |



|                              |   |           |
|------------------------------|---|-----------|
| Humanities & Social Sciences | - | -         |
| <b>Total</b>                 | - | <b>12</b> |

**14.5 LIST OF SUBJECT EXPERTS FOR FACULTY SELECTION**

Members were apprised about the approved list of subject experts for Faculty selection. Departments identified the subject experts for the selection of the faculty in their respective department and the list was proposed to the Chairman – Academic Council for approval. The proposed list was considered by the Chairman – Academic Council and same was approved vide approval dated 13/12/2022.

Copy of the approval and approved list of the subject experts is at **Annexure-18**.

**14.6 POLICY DOCUMENTS**

Chairman apprised the members about the approval of some policy documents in order to streamline the process of the various activities and considering requirements of various Regulatory bodies. The prepared 11 Policy Documents are as under:

1. Code of Ethics for Research
2. Consultancy Policy
3. Divyangjan Policy & Initiatives
4. e-Governance Policy
5. IT Policy
6. Library Policy (Manual)
7. Policy for Promotion of Research
8. Policy on Class Rooms
9. Policy on Guest Room
10. Policy on Laboratory Maintenance
11. Sports Policy

All the above policy documents have been approved by the Chairman – Academic Council. Copy of the approval **Annexure-19** and approved Policy Documents are appended as **Annexure-20 to 30**

**14.7 AWARD OF PROFICIENCY CERTIFICATE FOR 2022 PASSED OUT BATCH**

Chairman apprised the members about the award of Proficiency Certificate for 2022 passed out batch students.

The provisions of Proficiency Certification was introduced / floated from the 2018 Admission batch. First batch to which proficiency was offered completed the degree requirements in June 2022 along with the opted proficiency in the chosen filed.

Students who have opted for the proficiency and met the award of proficiency conditions have been awarded with the Proficiency Certificate. Sample of the awarded Proficiency Certificate is attached at **Annexure-31**.

**14.8 MODIFICATION IN COURSE STRUCTURE OF MSc (BIOTECHNOLOGY)**



## **PROGRAM**

Chairman apprised the members about the modifications in Course Structure of MSc (Biotechnology) Program.

The said modifications were proposed in the MSc 3<sup>rd</sup> Semester as under:

- Clubbing of Courses “Critical Review of Classical Papers” and “Project Proposal Presentation” as a one course “Review of Classical Paper & Project Proposal Presentation (02 Credits) (22MS1BT311)
- Introduction of one new course “Food Biotechnology (02 Credits) (22MS1BT311)

The proposed modifications have been approved by the Chairman – Academic Council vide approval dated 21/04/2023. Copy of BoS Minutes, approval and detailed syllabus of newly introduced course “Food Biotechnology” (22MS1BT311) is as per **Annexure–32**.

### **14.9 APPROVAL FOR COURSE STRUCTURE (1<sup>ST</sup> & 2<sup>ND</sup> SEMESTER) AND DETAILED SYLLABI COURSES OF 1<sup>ST</sup> & 2<sup>ND</sup> SEMESTER OF BSc (HONS.) IN MATHEMATICS & COMPUTING**

Chairman – Academic Council apprised the members about the approval of the Course Structure (1<sup>st</sup> & 2<sup>nd</sup> Semester) and detailed syllabi of courses of 1<sup>st</sup> & 2<sup>nd</sup> Semester – BSc (Hons.) in Mathematics & Computing.

The proposed Course Structure and detailed syllabi of the courses were proposed through the Board of Studies (BoS) meeting held on 08/06/2022. (Minutes of BoS at **Annexure-33**).

The approved Course Structure is at **Annexure–34** and detailed syllabi of the courses are at **Annexure–35**.

Recommendations of the BoS of the department were considered by the Chairman – Academic Council and same were approved vide approval dated 04/10/2022. Copy of the approval by Chairman – Academic Council is at **Annexure–36**.

### **14.10 FLOATING OF NEW COURSE “APPLIED SOFT COMPUTING TECHNIQUES” (22P1WMA231) TOWARDS PhD COURSE WORK – DEPTT. OF MATHEMATICS**

Chairman – Academic Council apprised the members about the introduction of new course towards the course work for the PhD Program.

Department of Mathematics through its Board of Studies held on 30/12/2022 (Minutes of BoS at **Annexure-37**) proposed for introduction of new course towards the course work for the PhD Program. The newly proposed course is as under:

Applied Soft Computing Techniques (22P1WMA231) (L-T-P) (3-0-0) (03 Credits)



The proposal of introduction of new course was approved by the Chairman – Academic Council vide approval dated 02/03/2023. Copy of approval and detailed syllabus of newly introduced course “Applied Soft Computing Techniques” (22P1WMA231) are at **Annexure-38**.

**14.11 FLOATING OF NEW OPEN ELECTIVE COURSES BY DEPARTMENT OF CIVIL ENGINEERING**

Chairman – Academic Council apprised the members about the introduction of two (02) new Open Elective Courses offered by Department of Civil Engineering Department.

Department of Civil Engineering through its Board of Studies held on 21/05/2022 (Minutes of BoS at **Annexure-39**) proposed for introduction of new Open Elective Course for BTech Program. The newly proposed courses are as under:

- Perennial Power Structures (22B1WCE731) (L-T-P) (3-0-0) (03 Credits)
- Disaster Risk Analysis and Management (22B1WCE831) (L-T-P) (3-0-0) (03 Credits)

The proposed introduction of Open Elective Courses was approved by the Chairman – Academic Council vide approval dated 22/10/2022. Copy of approval and detailed syllabus of newly introduced courses are as per **Annexure-40**.

**14.12 REPRINTING OF DEGREE CERTIFICATES DUE TO SPELLING ERROR IN NAME**

Chairman – Academic Council apprised the members about the reprinting of two (02) Degree Certificates due to spelling error in name printed on the Degree certificate in respect of below mentioned students:-

Ms. Suchi Johari, Enrolment No. 132208 – MTech (CSE)

Ms. Shivani Sood, Enrolment No. 106558 – PhD (Biotechnology)

Noting for change in the name and reprinting of the degree was moved to the Chairman – Academic Council and upon approval by the Chairman – Academic Council, reprinting of the degrees was done with correct name. The earlier printed Degree certificate having spelling error in name were called back and cancelled. Copy of the approval Chairman – Academic Council and reprinted Degree certificates are appended at **Annexure-41**.

**ITEM NO. 15/2023-1 ANY OTHER ITEM WITH THE PERMISSION OF THE CHAIR**

**15.1 APPROVAL FOR POST DOCTORATE FELLOWSHIP RULES**

In order to improvise and enhance the academic standards of the Institution, it was proposed to devise the mechanism for induction of Post Doctorate Fellows and implementation of Post Doctorate Fellowship Programmes for induction of such Post Doctorate Fellows. Such induction will translate to better research environment, perception of the institution and may bring higher accolades to the



# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established under HP Legislative Assembly Act No. 14 of 2002 and UGC Section 2(f) Approved)

Institution under NIRF rankings.

In order to attain the above objective, it was proposed to frame proper rules and regulations for offering post doctorate fellowship to the prospective candidates.

The item was considered by the Council and after deliberation item was approved.

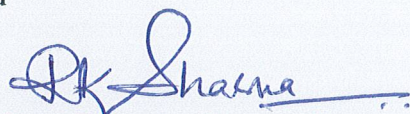
The approved Post Doctorate Fellowship Rules are as per **Annexure-42**.

There being no other point, meeting ended with a vote of thanks to the Chair.



(Maj Gen Rakesh Bassi, SM (Retd))  
Registrar & Non-Member Secretary

Confirmed



(Prof Rajendra Kumar Sharma)  
Chairman, Academic Council &  
Vice-Chancellor, JUIT, W



