

Item 32.04
Minutes of the BOS Meeting Date: 04/08/2023
Department of English, Faculty of Liberal Arts
(Prof. Mousumi Biswas, Principal will brief the meeting)

The 9th Meeting of the Board of Studies (BOS) of the Department of English, Faculty of Liberal Arts was convened on 04/08/2023 at 04:30 pm in the online mode. Prof. Mousumi Biswas, Principal, FLA chaired the meeting.

Members present in the meeting:

1. Prof. Mousumi Biswas (Principal, Faculty of Liberal Arts)- Chairperson.
2. Dr. Gitanjali Roy (Assistant Professor, Department of English, Faculty of Liberal Arts)- Member Secretary.
3. Dr. Aditya Ghosh (Assistant Professor, Department of English, Faculty of Liberal Arts).
4. Dr.Thingnam Anne (Assistant Professor, Department of English, Faculty of Liberal Arts).
5. Dr. Madhumita Chakraborty (Assistant Professor, Department of English, Faculty of Liberal Arts).
6. Dr. Pramod K. Nayar, Professor, Department of English, University of Hyderabad.

Agenda of the meeting:

1. Approval of the Minutes of the previous BOS Meeting.
2. Approval for the newly developed BA English Program structure (4-Year Degree) with credit distribution as per NEP 2020.
3. Approval for designed syllabus of the course in the newly developed BA English Program structure (4-Year Degree) with credit distribution as per NEP 2020.
4. Any other matter, with the permission of the chair.

Minutes of Meeting:

Sl. No.	Particulars
1	<p style="text-align: center;">Agenda 1: Approval of the Minutes of the previous BOS Meeting.</p> <p>Consideration of Action Taken Report for approval of the previously held meeting on 22.03.2023. The action taken report of the last BOS meeting held on 22.03.2023 was discussed and the same is put forward before the Academic Council for approval Resolutions: The Action Taken Report of the previously held meeting on 22.03.2023 was approved by all the members.</p>
2.	<p style="text-align: center;">Agenda 2: Approval for the newly developed BA English (Major) Program structure (4-Year Degree) with credit distribution as per NEP 2020.</p> <p>Resolution: Dr. Gitanjali Roy, Member Secretary, elaborately presented the program structure and syllabus of 1st year (1st semester & 2nd semester) courses of the 4-year structure.</p>


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Kamalghat, Tripura (West).

According to the structure, besides English (Major), Political Science/ Psychology/ Sociology/ Education will be offered as Minor subjects from the FLA department. Also, Interdisciplinary courses, Ability Enhancement courses, Skill Enhancement courses & Value-Added courses were proposed for suggestion.

Agenda 3: Restructuring of the BA English (Major) Program Structure as Per National Education Policy (NEP) 2020.

Resolution

Members suggested few changes in the course title as follows:

- 'Linguistic Proficiency in English' to 'Proficiency in English' as this title would be more appropriate and contemporary.
- 'Value Education & Ethics' to 'Introduction to Ethics' and to launch it as Value Added course.
- 'Indian Polity and Economy' to 'Indian Polity'. Recommendation was made to offer the course under Interdisciplinary subjects instead of Value-Added Courses.
- 'The Art of Storytelling' to 'Storytelling' as it would open platform for expertise from diverse spheres (Art, Music, Theatre, etc.) to be invited as resource person.
- 'Northeast Literature' to 'Northeast Literature in Translation
- 'Literary Criticism' to 'Classical Literary Criticism: from Aristotle to New Critics.
- 'Recent Trends in Research & studies in English' to 'Recent Trends in English Studies'
- 'Modern British Fiction & Non-fiction' is too broad an area to cover within one semester. Therefore, he recommended changing the course name to 'Modern British Novel' and to design the syllabus accordingly.

3: Approval of structure of BA-English (Major) 2nd, 3rd & 4th year.

Resolution:

Suggestions made by experts:

- To include SWAYAM courses in the NEP structure, only if the University provide proper guidelines (in written) regarding Credit transfer and evaluation process.
- Specialized invited lecture for Discipline specific electives as it would enrich the course curriculum and provide exposure to the students.
- Experts suggested preparing template for dissertation students. He advised keeping components from Bibliography, journal writings, plagiarism check, MLA Style sheet etc. which should culminate into publication of quality research paper in a journal, if possible
- Also, advised to prepare a template for Minor Project as well. The template should spell out the guidelines of the Project in clear terms. He further added that the Project should produce a report of 4000-5000 words, followed by a viva as well

4. Agenda 4: Any other matter, with the permission of the chair.

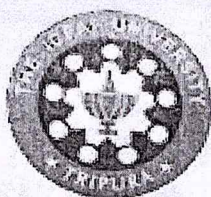
Resolution:

- Dr. Nayar strongly recommended applying for incorporation of Fulbright scholars to enhance Faculty-Student exchange programs. He has also asked to

initiate MoU programs with other organizations and institutions.

- Having everything in line, Experts expressed that the NEP is well-structured and recommended that the courses may be offered from the academic year 2023-24.


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Ref. No. IUT/FLA/AY23-24/Acad.Affairs/Psychology/01

Date: 05.02.2024

Minutes of the Meeting of the BOS(Psychology) dated: 20.01.2024 Faculty of Liberal Arts, ICFAI University, Tripura

The 1st meeting of the Board of Studies(BoS) – Psychology under Faculty of Liberal Arts was held on 20/01/2024 at 10.00 AM in the online mode (Google Meet Platform).

Members present in the meeting (online):

Internal members-

- Prof. Mousumi Biswas (Principal, Faculty of Liberal Arts)- Chairperson
- Dr. Gitanjali Roy (Assistant Professor, Dept. of English, FLA, IUT)- Member Secretary
- Dr. Poonam Mukherjee (Assistant Professor, Dept. of Psychology, FLA, IUT)- HoD
- Dr. Amrita Banerjee (Assistant Professor, Dept. of Psychology, FLA, IUT)

External Members-

- Dr.P.K.Rath, Professor, Centre of Advanced Studies, Department of Psychology, Utkal University, Bhubaneswar, Odisha.
- Dr. Rita Rani Talukdar, Professor & Head, Department of Psychology, Gauhati University, Assam.

Absentees:

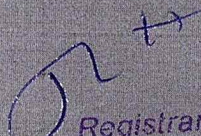
- Dr. Anindita Chaudhuri, Associate Professor, Department of Psychology, Rajabazar Science College, University of Calcutta, Kolkata.
- Dr. Nandita Babu, Professor & Head, Department of Psychology, University of Delhi, Delhi.
- Dr. Urmi Nanda, Professor, School of Arts & Sciences, Ahmedabad University, Gujrat.

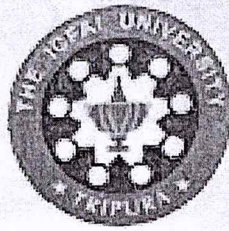
Invited Members:

- Prof. Dr. Shubhasish Chatterjee (Dean, Academic Affairs, ICFAI University Tripura)

Agenda of the meeting-

- Introducing the Psychology Courses of B.A./B.Sc. Psychology-Major and their placing in the 4 Years Degree Structure
- Syllabus revision of B.A./B.Sc. Psychology-Major Courses (Semester- I & II)of the NEP-4 years Degree Structure


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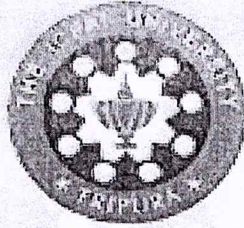
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Minutes of the meeting:

Sl. No.	Particulars
1.	Prof. Mousumi Biswas, Principal of FLA greeted the internal and external members of the board and briefed about ICFAI University, Tripura and the Department of Psychology, FLA.
2.	<p>Agenda 1: Introducing the Psychology Courses of B.A./B.Sc. Psychology-Major and their placing in the 4 Years Degree Structure</p> <p>Resolution: Dr. Poonam Mukherjee introduced the courses of B.A./B.Sc Psychology(Major) designed for the NEP-4 years Degree and explained the relatedness of the courses in different semesters.</p>
3.	<p>Agenda 2: 2. Syllabus revision of B.A./B.Sc. Psychology-Major Courses (Semester- I & II) of the NEP-4 years Degree Structure</p> <p>Resolution:</p> <ol style="list-style-type: none">1. Dr. Poonam Mukherjee presented a detailed PPT on the syllabus of 1st Year B.A./B.Sc Psychology(Major) (Semester- I & II courses) based on NEP-4 years. She explained individual units of all the 4 courses(2 of Sem-I & 2 of Sem-II) based on which the experts suggested some modifications which may be considered for academic year 2024-25. <p style="text-align: center;"><u>Suggestions/recommendations for Semester-I</u></p> <p>Course 1 (FOUNDATIONS OF PSYCHOLOGY):</p> <ul style="list-style-type: none">• Dr. Rita Rani Talukdar suggested to replace 'What is Psychology?' by 'Introduction to Psychology'.• Dr. Talukdar also expressed her view in suggesting an elaboration of the topics in all the topics of each and every unit except the 'Statistical Methods for Psychological Research' paper in semester-II.• Dr. Talukdar also suggested to mention 'theories of learning' in unit 3: Learning and Motivation: Principles and applications of Classical conditioning, Operant conditioning, and Observational learning; Cognitive influences on learning; Perspectives on motivation, Types of motivation, Motivational conflicts.• Professor P.K. Rath suggested the same reformation for the Unit-I as suggested by Dr. Talukdar.• Professor P.K. Rath recommended to improve the reading skills of students by making them read more books and creating their interest in areas of research.• Professor P.K. Rath also suggested to start a counselling cell in the Psychology


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department.

Course 2 (PSYCHOLOGY OF INDIVIDUAL DIFFERENCES):

- Dr. Rita Rani Talukdar advised to elaborate the given topics like, 'Definition of personality, its nature and types'.
- Dr. Rita Rani Talukdar recommended to specify the 'models of Emotional intelligence'.
- Dr. Rita Rani Talukdar also suggested to introduce some simpler topics for practical.
- Professor P.K. Rath suggested inclusion of Raven's Progressive Matrices in place of 16 PF, which may be difficult for the beginners.
- Professor P.K. Rath advised to motivate Ph.D. scholars to take the initiative to recreate the usual Psychological scales.

Suggestions/recommendations for Semester-II

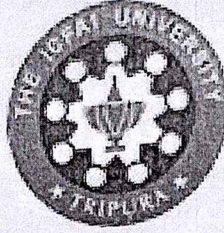
Course 1 (PSYCHOLOGY - ISSUES AND APPLICATION)

- Dr. Rita Rani Talukdar suggested to introduce application of Psychology in other relevant fields along with computer applications.
- Dr. Rita Rani Talukdar advised to elaborate and specify the contents of each unit.
- Dr. Rita Rani Talukdar asked to modify and resend the syllabus for reviewing.
- Professor P.K. Rath suggested the application of Psychology in other relevant fields alike Dr. Talukdar.
- Professor P.K. Rath strongly recommended to include Health Psychology as a paper in semester-II.
- Professor P.K. Rath suggested to replace SPSS by 'Statistical Assistant'.

Course 2 (STATISTICAL METHODS FOR PSYCHOLOGICAL RESEARCH)

- Dr. Rita Rani Talukdar suggested to keep the 'statistical methods for psychological research' paper in 1st semester.
- Professor P.K. Rath advised to rename the 'Measures of Central Tendency' as 'Descriptive Statistics- Mean, Median, Mode, SD, AD'.


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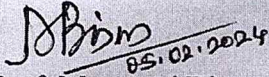
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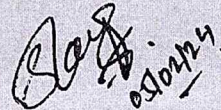
Signatures of the members of BOS

Dr. P.K. Rath,
Professor,
Centre of Advanced Studies,
Dept. of Psychology
Utkal University, Bhubaneswar, Odisha
(External Member)

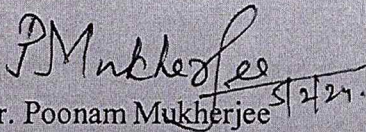

05.02.2024

Prof. Mousumi Biswas
Principal,
Faculty of Liberal Arts
ICFAI University, Tripura
(Chairperson)

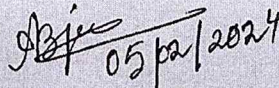
Dr. Rita Rani Talukdar
Professor & Head
Dept. of Psychology
Gauhati University, Assam
(External Member)


05/02/24

Dr. Gitanjali Roy
Assistant Professor
Dept. of English
Faculty of Liberal Arts
ICFAI University, Tripura
(Member Secretary)

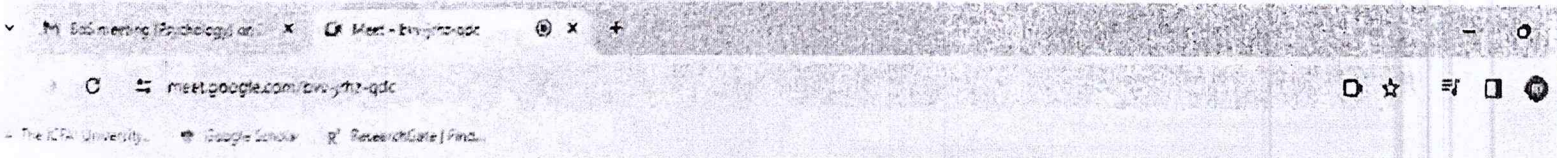
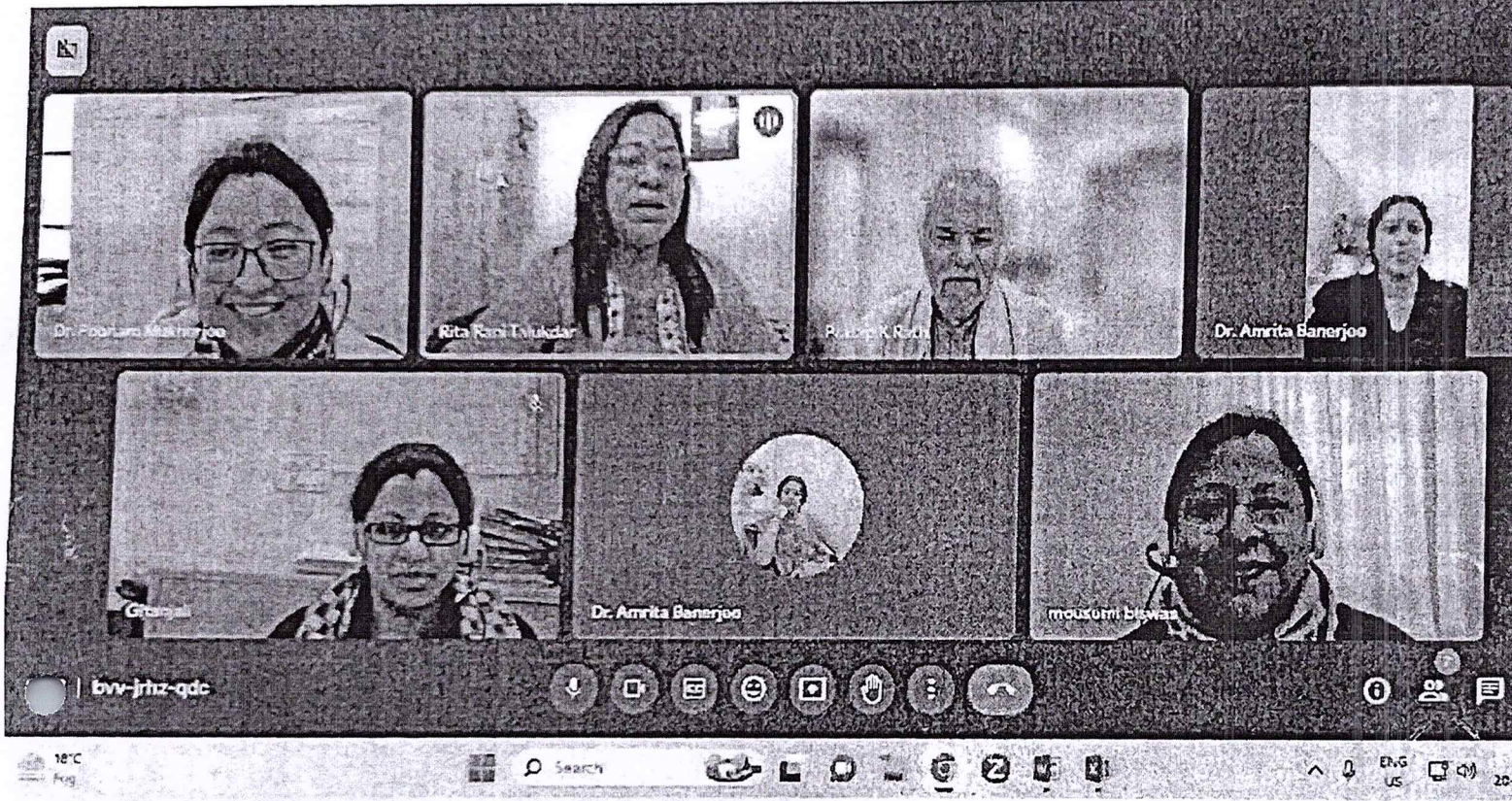

05/02/24

Dr. Poonam Mukherjee
Assistant Professor
Dept. of Psychology
Faculty of Liberal Arts
ICFAI University, Tripura
(Internal Member)


05/02/2024

Dr. Amrita Banerjee
Assistant Professor
Dept. of Psychology
Faculty of Liberal Arts
ICFAI University, Tripura
(Internal Member)


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ICFAI University Tripura
Kamalghat, Tripura (West),

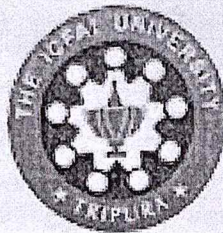


Dr. Poonam Mukherjee (Presenting)

Semester	Major Discipline Specific Courses (Core English)	Minor Elective (Statistics/Political Science/ Education/ Management)	Interdisciplinary Courses	Ability Enhancement Courses (Language)	Skill Enhancement / Project/ Internship/ Dissertation	Value Added Courses	Total Credit
1st YEAR							
I	<ul style="list-style-type: none"> Foundations of Psychology (1) Psychology of Individual Differences (1) 	<ul style="list-style-type: none"> Introduction to Statistics (2) OR Indian Government and Politics (2) OR Psychology of Education (2) OR Business Organization and Management (1) 		<ul style="list-style-type: none"> English Language Skills (4) OR Modern Office Management (4) 	<ul style="list-style-type: none"> Introduction to Computers (2) OR Fundamentals of Public Services (2) OR Introduction to Library & Information Sciences (2) OR social & consumer Behaviour (1) 	<ul style="list-style-type: none"> value Education System (2) OR Indian Fine Arts (2) OR Introduction to Indian Classical Music (2) 	20
II	<ul style="list-style-type: none"> Psychological Assessment and Application (1) Statistical Methods for Psychological (1) 	<ul style="list-style-type: none"> Foundation of Social Psychology (2) OR Political Theory (2) 	<ul style="list-style-type: none"> Contemporary Issues (2) 	<ul style="list-style-type: none"> Technical Writing (2) 		<ul style="list-style-type: none"> Sports & Fitness (2) OR Photography, Audio, & Digital Art (2) 	

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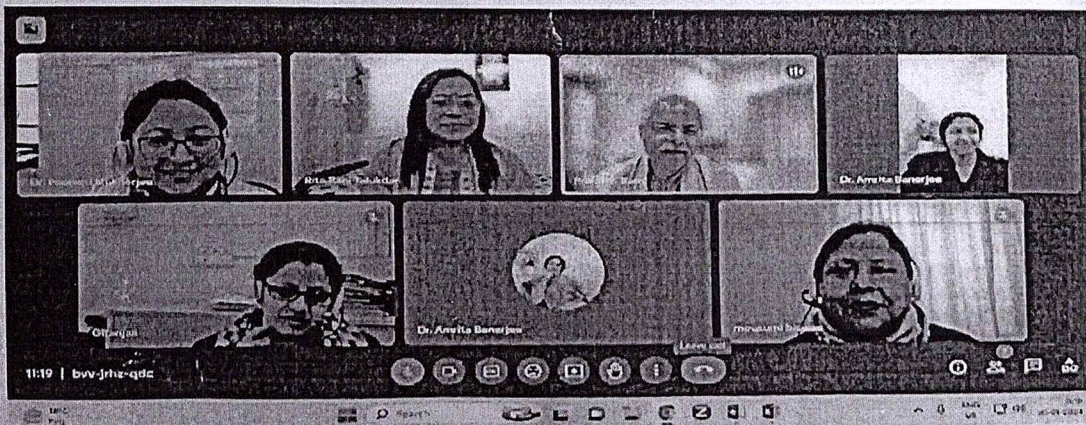
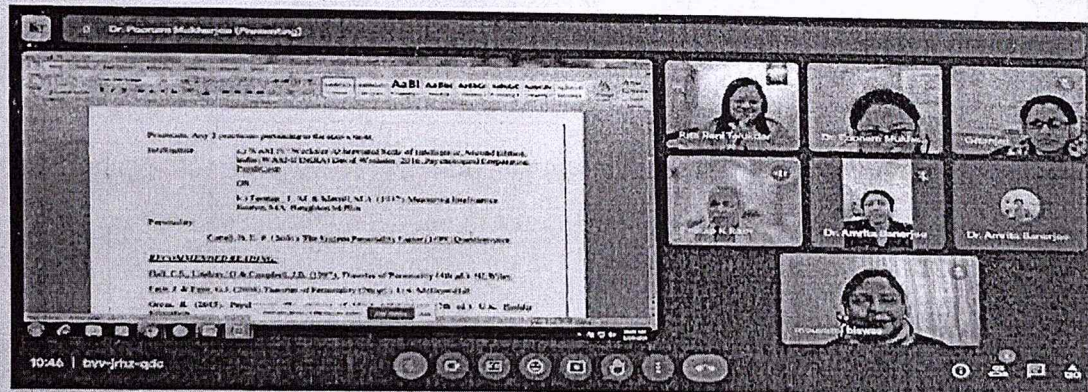
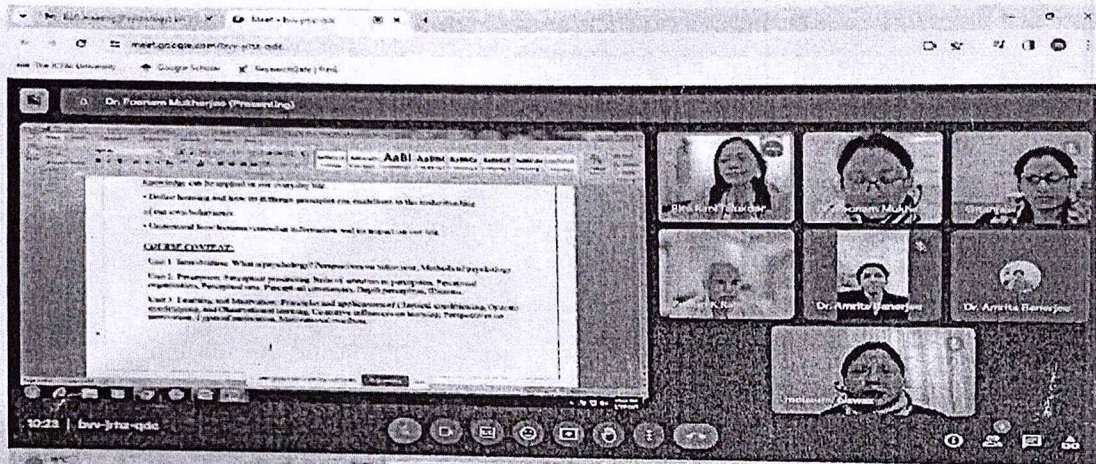

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Approved
4 messages
Gitanjali
To: pr
Co


Registrar,
ICFAI University Tripura
Kamalghat, Tripura (West).

Gmail

Gitanjali <gitanjaliroy@iutripura.edu.in>

Approval & Signature for Minutes of BoS (Psychology)

4 messages

Gitanjali <gitanjaliroy@iutripura.edu.in>

Tue, Mar 12, 2024 at 4:05 PM

To: pratapkrath@gmail.com

Cc: mousumi biswas <mousumi.biswas@iutripura.edu.in>, poonam mukherjee <poonamm@iutripura.edu.in>, "Dr. Amrita Banerjee" <amritabanerjee@iutripura.edu.in>

Dear Sir,


Greetings from the Faculty of Liberal Arts. Hope you are doing good.

With reference to the BoS-Psychology meeting held on 20/01/2024, attached within is the Minutes and the detailed syllabus, for your kind reference.

I kindly request you to approve the same by sharing your digital signature.

For any query, please feel free to contact the undersigned.

Regards,
Gitanjali,
FLA, IUT.
Contact- 09774734852.

 **BOS Psychology.pdf**
993K

Gitanjali <gitanjaliroy@iutripura.edu.in>

Fri, Apr 5, 2024 at 2:08 PM

To: pratapkrath@gmail.com

Cc: mousumi biswas <mousumi.biswas@iutripura.edu.in>, poonam mukherjee <poonamm@iutripura.edu.in>, "Dr. Amrita Banerjee" <amritabanerjee@iutripura.edu.in>

Dear Sir,

As per the telephonic conversation, forwarding you the mail. Request you to kindly do the needful.

Regards,
Gitanjali.
[Quoted text hidden]

Prof. Pratap K Rath <pratapkrath@gmail.com>

Sat, Apr 6, 2024 at 1:15 PM

To: Gitanjali <gitanjaliroy@iutripura.edu.in>

Thank you. Apropos our telephonic conversation, as i confirmed then, i do not have a digital signature. However, through this personal mail of mine, i confirm that i was very much present online through the meeting. I discussed and supported the decisions taken in the meeting.

Prof Pratap K Rath
[Quoted text hidden]

Gitanjali <gitanjaliroy@iutripura.edu.in>

Mon, Apr 8, 2024 at 9:19 AM

To: "Prof. Pratap K Rath" <pratapkrath@gmail.com>

Thank you Sir, for your response.

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<https://mail.google.com/mail/u/0/?ik=a3c97954ed&view=pt&search=all&permthid=thread-a:4824013628390347687&siml=msg-a:412843475934729...> 1/1


Registrar,
ICFAI University Tripura
Kamalghat, Tripura (West).



Gitanjali <gitanjaliroy@iutripura.edu.in>

Approval & Signature for Minutes of BoS (Psychology)

7 messages

Gitanjali <gitanjaliroy@iutripura.edu.in>

To: ritapsychology@gauhati.ac.in

Tue, Mar 12, 2024 at 4:01 PM

Cc: mousumi biswas <mousumi.biswas@iutripura.edu.in>, poonam mukherjee <poonamm@iutripura.edu.in>, "Dr. Amrita Banerjee" <amritabanerjee@iutripura.edu.in>

Dear Sir,

Greetings from the Faculty of Liberal Arts. Hope you are doing good.

With reference to the BoS-Sociology meeting held on 20/01/2024, attached within is the Minutes and the detailed syllabus, for your kind reference.

I kindly request you to approve the same by sharing your digital signature.

For any query, please feel free to contact the undersigned.

Regards,
Gitanjali,
FLA, IUT.
Contact- 09774734852.

Gitanjali <gitanjaliroy@iutripura.edu.in>

Tue, Mar 12, 2024 at 4:04 PM

To: ritapsychology@gauhati.ac.in

Cc: mousumi biswas <mousumi.biswas@iutripura.edu.in>, poonam mukherjee <poonamm@iutripura.edu.in>, "Dr. Amrita Banerjee" <amritabanerjee@iutripura.edu.in>

Sorry for the inconvenience. Please find the attachment.

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Rita Rani Talukdar <ritapsychology@gauhati.ac.in>

Tue, Mar 12, 2024 at 8:52 PM

To: Gitanjali <gitanjaliroy@iutripura.edu.in>

Dear Gitanjali,

The attachment sent by you is in pdf format. Could you please send it in word document format so that I can add my e signature to approve it.

Regards
Prof Rita Rani Talukdar,
Head, Dept. of Psychology,
Gauhati University

[Quoted text hidden]

The sender of this mail is an authorized user of email address of Gauhati University.

Gitanjali <gitanjaliroy@iutripura.edu.in>

Tue, Apr 2, 2024 at 3:58 PM

To: Rita Rani Talukdar <ritapsychology@gauhati.ac.in>

Cc: poonam mukherjee <poonamm@iutripura.edu.in>

Dear ma'am,

4/23/24, 5:21 PM

ICFAI University, Tripura Mail - Approval & Signature for Minutes of BoS (Psychology)

Sorry for the delayed response.

Word files sometimes have formatting issues. If you have any feedback, kindly reply to this mail or else you may just write "approved" with your comments. We will take print of the mail and make the necessary documentation.

Regards,
Gitanjali.
[Quoted text hidden]

Tue, Apr 2, 2024 at 4:24 PM

Rita Rani Talukdar <ritapsychology@gauhati.ac.in>
To: Gitanjali <gitanjaliroy@iutripura.edu.in>
Cc: poonam mukherjee <poonamm@iutripura.edu.in>

Approved.

Dr Rita Rani Talukdar
Professor and Head
Department of Psychology
Gauhati university
[Quoted text hidden]

Tue, Apr 2, 2024 at 4:45 PM

Gitanjali <gitanjaliroy@iutripura.edu.in>
To: Rita Rani Talukdar <ritapsychology@gauhati.ac.in>
Cc: poonam mukherjee <poonamm@iutripura.edu.in>

Thank you so much for your cooperation, ma'am.
[Quoted text hidden]

Wed, Apr 3, 2024 at 1:48 PM

Rita Rani Talukdar <ritapsychology@gauhati.ac.in>
To: Gitanjali <gitanjaliroy@iutripura.edu.in>
Cc: poonam mukherjee <poonamm@iutripura.edu.in>

You are welcome.
[Quoted text hidden]

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BA – PSYCHOLOGY (HONOURS) PROGRAM
Batch 2020-2023

Program Structure

	Sl. No.	Course No.	Semester-I	L P U	Sl. No.	Course No.	Semester-II	L P U
YEAR-I	1	PSY101	Foundations of Psychology	3 1 4	1	PSY103	Psychology: Issues and Applications	3 1 4
	2	PSY102	Psychology of Individual Differences	3 1 4	2	STAT101	Statistical Methods for Psychological Research	3 1 4
	3	EG111	English Language Skills- I	3 1 4	3	EG112	English Language Skills- II	3 1 4
	4	PS121	Indian Government and Politics	3 1 4	4	PS122	Indian Administration	3 1 4
	5	SC131	Introduction to Sociology	3 1 4	5	SC132	Foundation of Social Thought	3 1 4
			TOTAL UNITS	20 Units			TOTAL UNITS	20 Units
Project-1 (L P U – 005)								
	Sl. No.	Course No.	Semester-III	L P U	Sl. No.	Course No.	Semester-IV	L P U
YEAR-II	1	PSY201	Development of Psychological Thought	3 1 4	1	PSY203	Understanding Psychological Disorders	3 1 4
	2	PSY202	Clinical Psychology	3 1 4	2	PSY204	Social Psychology	3 1 4
	3	PS123	International Relations and Indian Foreign Policy	3 1 4	3	PS124	Political Thought and Theories	3 1 4
	4	SC133	Indian Society	3 1 4	4	SC134	Methods in Social Research	3 1 4
	5	FR 234	Foreign Language	3 1 4	5	PKC233	Introduction to Computers	2 2 4
			TOTAL UNITS	20 Units			TOTAL UNITS	20 Units
Project-2 (L P U – 005)								
	Sl. No.	Course No.	Semester-V	L P U	Sl. No.	Course No.	Semester-VI	L P U
YEAR-III	1	PSY301	Biopsychology	3 1 4	1	OBH321	Organizational Behavior	3 1 4
	2	PSY302	Developmental Psychology	3 1 4	2	PSY305	Educational Psychology	3 1 4
	3	PSY303	Positive Psychology	3 1 4	3	PSY306	Psychological Research	3 1 4
	4	PSY304	Counselling Psychology	3 1 4	4	ENV222	Environmental Studies	4 0 4
	5		Discipline Specific Elective (Specialization)	3 1 4	5		Choice Based Elective Course	3 0 4
			TOTAL UNITS	20 Units			TOTAL UNITS	20 Units

Total Units: 120 Units

Discipline Specific Elective (Specializations)

Sl. No.	Course No.	Course Title	L P U
1	HRM321	Human Resource Management	4 0 4
2	PSY307	Community Psychology	3 1 4

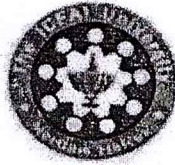

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Faculty of Liberal Arts
BA PSYCHOLOGY PROGRAM (As per NEP structure)

4 YEAR PROGRAMME STRUCTURE					
SEMESTER I			SEMESTER II		
Sl	Course Name	Credit Unit	Sl	Course Name	Credit Unit
Discipline Specific Core			Discipline Specific Core		
1	Foundations of Psychology	4	1	Psychology – Issues and Applications	4
2	Psychology of Individual Differences	4	2	Statistical Methods for Psychological Research	4
General Elective			General Elective		
3	Introduction to Sociology / Indian Government and Politics / Business Organisation and Management / Principles of Education	4	3	Foundation of Social Thought / Political Theory / Fundamentals of Marketing / Educational Psychology	4
Ability Enhancement Courses			Ability Enhancement Courses		
4	English Language Skills / Modern Office Management	4	4	Technical Writing / Linguistic Proficiency in English	3
Skill Enhancement Courses			Interdisciplinary Courses		
5	Introduction to Computers / Fundamentals of Public Speaking / Introduction to Library & Information Sciences / Social & Business Etiquettes	2	5	Constitution of India / Chemistry in Daily life / Value Education & Ethics / Indian Society	3
Common Value Added Courses			Common Value Added Courses		
6	Indian Education System / Indian Fine Arts / Introduction to Indian Classical Music	2	6	Sports & Yoga / Photography: Basics & Beyond / Indian Polity and Economy	2
Total Credit		20	Total Credit		20
INTERNSHIP					
					4
TOTAL CREDITS EARNED = 40					

YEAR I


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 ICFAI University Tripura
 Kamalghat, Tripura (West).



The ICFAI University, Tripura

Established under section 4(2) of the Institute of Chartered Financial Analysts of India University, Tripura Act. 2004
Campus Address : Kamalghat (Near Agartala), PIN - 799210, Tel : 0381-2865752/62, Fax : 0381-2865754
Website : www.iutripura.edu.in, Email : registrar@iutripura.edu.in

Minutes of Meeting and Resolutions Board of Studies, Department of Civil Engineering, FST ICFAI University Tripura

Introduction

A meeting of board of members of Civil Engineering Department, faculty of science and technology was conducted on 04/09/2023 at 4:00 PM on virtual mode. Google Meet joining link: <https://meet.google.com/bew-xihv-eay>

Following members were present at the meeting:

1. **Chairman:** Dr. Prashanta Kumar Sinha, Principal, ITS, Faculty of Science & Technology, ICFAI University Tripura
2. **Member Secretary:** Dr. Palash Dey, Assistant Professor & HOD, Civil Engineering Department, ITS, FST, ICFAI University Tripura
3. **Member:** Prof. Ashim Paul, Assistant Professor, Civil Engineering Department, ITS, FST, ICFAI University Tripura
4. **Member:** Dr. Ramu Debnath, Assistant Professor, Civil Engineering Department, ITS, FST, ICFAI University Tripura
5. **Member:** Prof. Bipul Sen, Assistant Professor, Civil Engineering Department, ITS, FST, ICFAI University Tripura
6. **Member:** Dr. Piya Biswas, Assistant Professor, Civil Engineering Department, ITS, FST, ICFAI University Tripura
7. **External Member:** Dr. Rajib Saha, Associate Professor, Civil Engineering Department, NIT Agartala, Phone No: 9436125024, Email ID: rajib_2s123@rediffmail.com; rajib.iitbbsr@gmail.com
8. **External Member:** Dr. Samir Bajpai, Professor, Civil Engineering Department, Head Training and Placement, NIT Raipur, Phone No: 9826167065, Email ID: sb@nitrr.ac.in
9. **External Member:** Mr. Bibek Ranjan Das, Director-Engineering, Synergy Industries Pvt Ltd, Phone No: 9830886619, Email ID: bibekrdas@gmail.com

HOD, CE initiated the meeting with an introductory note. Thereafter, Principal, ITS welcomed all External members in the said meeting.

Dr. Palash Dey, Assistant Professor & HOD Civil Engineering presented the agenda.


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Agenda:

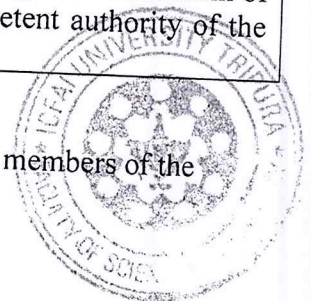
The agenda deliberated were discussed and following resolutions were passed:

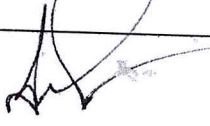
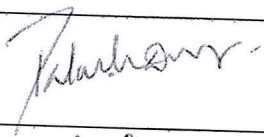
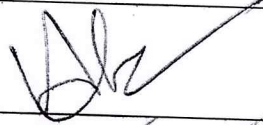
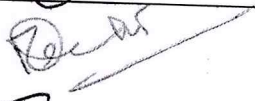
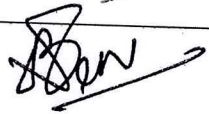

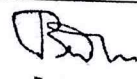
- i. **Review of existing B. Tech. program structure and syllabus**
- ii. **Addition of new courses in the existing B. Tech. program structure**
- iii. **Selection of list of value added courses**
- iv. **Miscellaneous**

Item No.	Particulars
1	<p>Agenda: Review of existing B. Tech. program structure and syllabus</p> <p>Resolutions: HoD, CE has thoroughly discussed the B. Tech. existing as well as revised structures with course content. External members showed their consent for the given agenda.</p>
2	<p>Agenda: Addition of new courses in the existing B. Tech. program structure</p> <p>Resolutions:</p> <p>(a) <i>Inclusion of Corporate Recruitment Training (CRT) courses in B. Tech CE curriculum.</i> The inclusion of Corporate Recruitment Training (CRT) courses in the curriculum of B. Tech Civil Engineering Second, Third and Fourth year (Odd and Even Semesters) as credit courses with 02 unit credit was appreciated by the external board members.</p> <p>(b) <i>Inclusion of "Theme Projects" courses in B. Tech, CE curriculum.</i> The inclusion of "Theme Projects" courses in the curriculum of B. Tech., Civil Engineering First, Second and Third year (both Odd and Even Semesters) as credit courses was appreciated by the external board members. External member also suggested to assign software based projects apart from hardware based projects to enrich the software skill of the students.</p>
3	<p>Agenda: Selection of list of value added courses</p> <p>Resolutions: Value added courses based on skill development entitled "Application of modern softwares in Civil Engineering" were proposed by external members to conduct in this academic year. The proposal for running value added courses was also highly appreciated by the external board members.</p>
4	<p>Agenda: Miscellaneous</p> <p>Resolutions: <i>Course Code Approval of the courses in the B. Tech CE new curriculum</i> The course codes of the courses included in the B. Tech., Civil Engineering new curriculum of 2022-2026 program structure were assigned and approved by the competent authority of the University. The external board members also approved the same.</p>

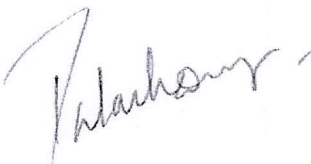
The meeting ended with vote of thanks by Dr. Prasanta Kumar Sinha to all the members of the BOS.


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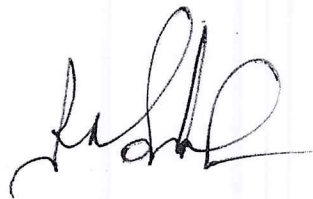


1	Dr. Prasanta Kumar Sinha	
2	Dr. Palash Dey	
3	Prof. Ashim Paul	
4	Dr. Ramu Debnath	
5	Prof. Bipul Sen	
6	Dr. Piya Biswas	
7	Dr. Rajib Saha	Rajib Saha. DR. RAJIB SAHA Associate Professor Civil Engineering Department NIT Agartala.
8	Dr. Samir Bajpai	Through e-mail
9	Mr. Bibek Ranjan Das	




 Dr. Palash Dey
 Member Secretary (BOS)
 HoD
 Civil Engineering Department
 Faculty of Science and Technology
 ICFAI University, Tripura


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 ICFAI University Tripura
 Kamalghat, Tripura (West).


 (Dr.) Prasanta Kumar Sinha
 Chairman (BOS)
 Principal
 Faculty of Science and Technology
 ICFAI University, Tripura

I truly express my gratitude to you for accepting our invitation.

This is a gentle reminder for today's BOS meeting scheduled at 4 p.m. The details of the meeting have been mentioned below:

Date: **04/09/2023 (Monday)**

Time: **4 PM**

Online platform: Google Meet

Link to join the meeting: <https://meet.google.com/bew-xihv-eay>

With Thanks & Regards

Dr. Palash Dey
Assistant Professor
HOD, Civil Engineering
ICFAI University Tripura, Agartala

On Fri, Sep 1, 2023 at 5:08 PM Samir Bajpai <sb@nitrr.ac.in> wrote:

Dear Dr Palash,

Thank you for the invite. I confirm my participation.

Best regards

Samir Bajpai

(Dr Samir Bajpai)

Professor, Civil Engineering

N I T Raipur

G. E. Road, Raipur (Chhattisgarh) 492010

On Fri, Sep 1, 2023 at 4:34 PM Dr Palash Dey <palashdey@iutripura.edu.in> wrote:

Respected Sir,

Greetings from ICFAI University, Tripura

I hope and desire that you are in excellent health and spirit at this time.

In order to discuss the review of existing B. Tech. program structure a meeting has been scheduled for Monday, September 4, 2023, in Google Meet online meeting platform. We are very happy to invite you to this Board of Studies (BOS) meeting as an external member for your valuable suggestions and comments.

Kindly, find the following points for the agenda of the meeting.

Agenda of BOS meeting

- Review of existing B. Tech. program structure.
- Review of existing syllabus of the B. Tech. CE courses
- Addition of new courses in the existing B. Tech. program structure w.e.f., current Semester 1, 2023-24.
- Selection of list of value added courses.

The details of the meeting have been mentioned below:

Date: **04/09/2023 (Monday)**

<https://mail.google.com/mail/u/0/?ik=68c747e9b2&view=pt&search=all&permthid=thread-a:r2965908413658505295&dsqt=1&siml=msg-a:r-42742480...> 6/9


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9/23, 9:34 AM

ICFAI University, Tripura Mail - Invitation letter to attend the Board of Studies (BOS) meeting of Civil Engineering Dept. ICFAI Unive...

Time: 4 PM

Online platform: Google Meet






Link to joint the meeting: <https://meet.google.com/bew-xihv-eay>

Thank you in advance.

With Thanks & Regards

Dr. Palash Dey
Assistant Professor
HOD, Civil Engineering
ICFAI University Tripura, Agartala

5 attachments

-  MOM_BOS_Civil_2023.docx
56K
-  Program Structure_CE_21-22.xlsx
31K
-  Program Structure_CE_23-24.xlsx
21K
-  Program Structure_CE_20-21.xlsx
24K
-  Program Structure_CE_22-23.xlsx
21K

Samir Bajpai <sb@nitrr.ac.in>
To: Dr Palash Dey <palashdey@iutripura.edu.in>
Cc: "Dr. Prasanta Kumar Sinha" <prasantaksinha@iutripura.edu.in>, Ashim Paul <ashim.paul@iutripura.edu.in>, BIPUL SEN <bipul.sen@iutripura.edu.in>, "Dr. Piya Biswas" <piyabiswas@iutripura.edu.in>, Ramu Debnath <ramudebnath@iutripura.edu.in>

Wed, Sep 27, 2023 at 5:39 PM

Dear Dr Dey,

I herewith approve the minutes of the meeting and program structures academic year-wise.

Best regards

Samir Bajpai
(Dr Samir Bajpai)
Professor, Civil Engineering
N I T Raipur
G. E. Road, Raipur (Chhattisgarh) 492010

On Wed, Sep 13, 2023 at 9:22 PM Dr Palash Dey <palashdey@iutripura.edu.in> wrote:
Respected Sir,

On behalf of the civil engineering department, I extend my sincere thanks to you for attending the BOS meeting scheduled on 04/09/2023 at 4:00 PM through online mode. We are extremely thankful to receive your valuable feedback and suggestions on the proposed agenda. We will definitely implement the suggestions for bringing improvements that will ultimately benefit the students and faculties of the department.

<https://mail.google.com/mail/u/0/?ik=68c747e9b2&view=pt&search=all&permthid=thread-a:r2965908413658505295&dsqt=1&simpl=msg-a:r-42742480...> 7/9


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Kamalghat, Tripura (West).

The ICFAI University Tripura
 Faculty of Science & Technology
 ICFAI Technical School
 Department of Civil Engineering

Program Structure of B.Tech in Civil Engineering

Existing Program Structure for 2020-24 batch													Revised Program Structure for 2020-24 batch													
Year	Semester-I												Semester-I													
	Course Code	Course Name				L	T	P	U	Course Code	Course Name				L	T	P	U								
1st	MA111	Mathematics-I				3	1	0	3	MA111	Mathematics-I				3	1	0	3								
	PHY101T	Physics				3	1	0	3	PHY101T	Physics				3	1	0	3								
	CHE101T	Chemistry				3	1	0	3	CHE101T	Chemistry				3	1	0	3								
	TA101	Engineering Graphics				3	1	0	3	TA101	Engineering Graphics				3	1	0	3								
	EGL111	English Language Skills				2	0	4	4	EGL111	English Language Skills				2	0	4	4								
	PHY102P	Physics Lab				3	0	0	3	PHY102P	Physics Lab				3	0	0	3								
	CHE102P	Chemistry Lab				0	0	3	2	CHE102P	Chemistry Lab				0	0	3	2								
	Total No. of Credits												20	Total No. of Credits												20
	Semester-II												20	Semester-II												20
	Course Code													Course Code												
Course Name													Course Name													
L													L													
T													T													
P													P													
U													U													
MA121												3	MA121												3	
ES121												3	ES121												3	
TA102												3	TA102												3	
TA121T												2	TA121T												2	
ES211T												3	ES211T												3	
TA121P												3	TA121P												3	
ES211P												3	ES211P												3	
Total No. of Credits												20	Total No. of Credits												20	
Summ	SIP101												0	SIP101												0
er	Summer Internship Program-I												0	Summer Internship Program-I												0
Term													0													0
Semester-I												5	Semester-I												5	
Course Code													Course Code													
Course Name													Course Name													
L													L													
T													T													
P													P													
U													U													
MA211												3	MA211												3	
TA301												3	TA301												3	
ENV122												3	ENV122												3	
CE201												3	CE201												3	
CE224												3	CE224												3	
ES205												3	ES205												3	
CE203												3	CE203												3	
CE201P												0	CE201P												0	
ES205P												0	ES205P												0	
Total No. of Credits												26	Total No. of Credits												26	
Semester-II												26	Semester-II												26	
Course Code													Course Code													
Course Name													Course Name													
L													L													
T													T													
P													P													
U													U													
MA213												3	MA213												3	
BIO301												3	BIO301												3	
ES222T												3	ES222T												3	
CE325T												3	CE325T												3	
CE225												3	CE225												3	
ES222P												3	ES222P												3	
CE325P												0	CE325P												0	
Total No. of Credits												19	Total No. of Credits												19	
Summ	SIP201												0	SIP201												0
er	Summer Internship Program-II												0	Summer Internship Program-II												0
Term													0													0
Semester-I												5	Semester-I												5	
Course Code													Course Code													
Course Name													Course Name													
L													L													
T													T													
P													P													
U													U													
SS301												3	SS301												3	
CE315												3	CE315												3	
CE314T												3	CE314T												3	
CE313												3	CE313												3	
CE312												3	CE312												3	
CE326T												3	CE326T												3	
CE314P												3	CE314P												3	
CE326P												0	CE326P												0	
CE301P												0	CE301P												0	
Total No. of Credits												24	Total No. of Credits												24	
Semester-II												24	Semester-II												24	
Course Code													Course Code													
Course Name													Course Name													
L													L													
T													T													
P													P													
U													U													
HSS Elective												3	HSS Elective												3	
CE302												3	CE302												3	
CE328												3	CE328												3	
CE324												3	CE324												3	
CE327T												3	CE327T												3	
CE323												3	CE323												3	
CE419												3	CE419												3	
CE327P												3	CE327P												3	
CE434												0	CE434												0	
CE301												0	CE301												0	
Total No. of Credits												27	Total No. of Credits												27	
Summ	SIP301												0	SIP301												0
er	Summer Internship Program-III												0	Summer Internship Program-III												0
Term													0													0
Semester-I												5	Semester-I												5	
Course Code													Course Code													
Course Name													Course Name													
L													L													
T													T													
P													P													
U													U													
ENV411												3	ENV411												3	
CE431												3	CE431												3	
CE413												3	CE413												3	
Total No. of Credits												3	Total No. of Credits												3	

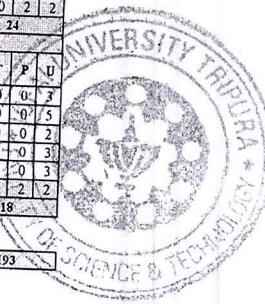



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Open Elective-I				Open Elective-I							
ENV411P	Environmental Engineering Practical	3	0	0	3	ENV411P	Environmental Engineering Practical	3	0	0	3
	Elective-I	0	0	3	2		Elective-I	0	0	3	2
CE491	Special Project-I	3	0	0	3	CE491	Special Project-I	3	0	0	3
		0	0	0	5		Corporate Recruitment Training II	0	0	0	5
Total No. of Credits				Total No. of Credits							
Semester-II				Semester-II							
				22							
				24							
Course Code	Course Name	L	T	P	U	Course Code	Course Name	L	T	P	U
CE433	Irrigation and Water Resources Engineering	3	0	0	3	CE433	Irrigation and Water Resources Engineering	3	0	0	3
CE492	Special Project-II	0	0	0	5	CE492	Special Project-II	0	0	0	5
GV401	Grand Viva	0	0	0	2	GV401	Grand Viva	0	0	0	2
	Open Elective-II	3	0	0	3		Open Elective-II	3	0	0	3
	Program Elective-II	3	0	0	3		Program Elective-II	3	0	0	3
Total No. of Credits				Total No. of Credits							
				16							
				18							

Existing Total No. of Credits 189

Revised Total No. of Credits 193



[Signature]
Prof. Ashim Paul
Member, IUT

[Signature]
Prof. Ramu Debnath
Member, IUT

[Signature]
Prof. Bipul Sen
Member, IUT

[Signature]
Dr. Piya Biswas
Member, IUT

[Signature]
Dr. Rajib Saha
External Member

(Through e-mail)
Dr. Samir Bajpai
External Member

[Signature]
Mr. Bibek Ranjan Das
External Member

[Signature]
Dr. Palash Dey
Member Secretary
HoD, CE

[Signature]
Dr. P. K. Sinha
Chairman
ITS, IUT

[Signature]
Registrar,
ICFAI University Tripura
Kamaighat, Tripura (West).

The ICFAI University Tripura
Faculty of Science & Technology
ICFAI Technical School
Department of Civil Engineering

Program Elective Course List

Existing Program Structure for 2020-24 batch			
Sl. No	Course Name	Semester	Year
1	Design and Drawing of Hydraulic Structures	I	4th
2	Design of Bridge Structures	I	4th
3	Finite Element Methods in Civil Engineering	I	4th
4	Ground Improvement Techniques	I	4th
5	Pavement Analysis and Design	I	4th
6	Advanced Structural Analysis	I	4th
7	Pre-stressed concrete	II	4th
8	Soil Dynamics and Machine Foundations	II	4th
9	Structural Dynamics	II	4th
10	Design of Industrial Structures	II	4th
11	Foundation Design	II	4th
12	Urban Transport Planning	II	4th
13	Stability of Structures	II	4th

Revised Program Structure for 2020-24 batch			
Course Name	Semester	Year	
List of Courses for Program Elective - I			
Design and Drawing of Hydraulic Structures	I	4th	
Design of Bridge Structures	I	4th	
Finite Element Methods in Civil Engineering	I	4th	
Ground Improvement Techniques	I	4th	
Structural Dynamics	I	4th	
Advanced Structural Analysis	I	4th	
List of Courses for Program Elective - II			
Pre-stressed concrete	II	4th	
Soil Dynamics and Machine Foundations	II	4th	
Pavement Analysis and Design	II	4th	
Design of Industrial Structures	II	4th	
Foundation Design	II	4th	
Urban Transport Planning	II	4th	
Stability of Structures	II	4th	

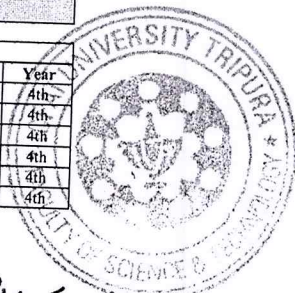
*Student can choose only one course from elective bucket for Elective I and Elective II

Open Elective Course List

Existing Program Structure for 2020-24 batch			
Sl. No	Course Name	Semester	Year
1	Disaster Preparedness & Planning	I	4th
2	Infrastructure Financing	I	4th
3	Emerging trends on Civil Engineering	I	4th
4	Remote sensing and GIS	II	4th
5	Geo Informatics In Transportation engineering	II	4th
6	Energy and Global Environment	II	4th

Revised Program Structure for 2020-24 batch			
Course Name	Semester	Year	
Disaster Preparedness & Planning	I	4th	
Infrastructure Financing	I	4th	
Emerging trends in Civil Engineering	I	4th	
Remote sensing and GIS	II	4th	
Geo Informatics In Transportation engineering	II	4th	
Energy and Global Environment	II	4th	

*Student can choose only one course from elective bucket for Elective I and Elective II



[Signature]
Prof. Ashim Paul
Member, IUT

[Signature]
Prof. Ramu Dobnath
Member, IUT

[Signature]
Prof. Bipul Sen
Member, IUT

[Signature]
Dr. Piya Biswas
Member, IUT

[Signature]
Dr. Rajib Saha
External Member

(Through email)
Dr. Samir Bajpai
External Member

[Signature]
Mr. Bibek Ranjan Das
External Member

[Signature]
Dr. Palash Dey
Member Secretary
HoD. CE

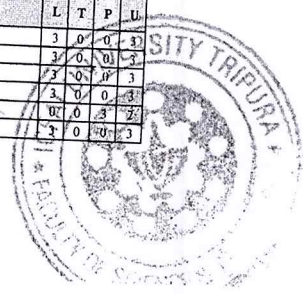
Dr. P. K. Sinha
Chairman
ITS, IUT

[Signature]
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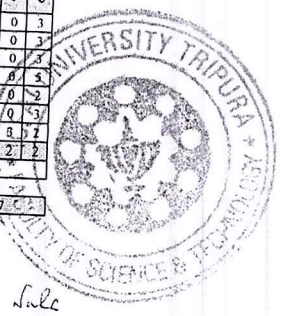
The ICAFI University Tripura
Faculty of Science & Technology
ICFAI Technical School
Department of Civil Engineering

Program Structure of B.Tech in Civil Engineering														
Existing Program Structure for 2021-25 batch														
Year	Semester-I							Semester-I						
	Course Code	Course Name	L	T	P	U	Course Code	Course Name	L	T	P	U		
1st	MA111	Mathematics-I	3	1	0	3	MA111	Mathematics-I	3	1	0	3		
	PHY101T	Physics	3	1	0	3	PHY101T	Physics	3	1	0	3		
	CHE101T	Chemistry	3	1	0	3	CHE101T	Chemistry	3	1	0	3		
	TA106	Engineering Graphics	2	0	4	4	TA106	Engineering Graphics	2	0	4	4		
	ENG102	English Language Skills	3	0	0	3	ENG102	English Language Skills	3	0	0	3		
	PHY102P	Physics Lab	0	0	3	2	PHY102P	Physics Lab	0	0	3	2		
	CHE102P	Chemistry Lab	0	0	3	2	CHE102P	Chemistry Lab	0	0	3	2		
	Total No. of Credits						20	Total No. of Credits						20
	Semester-II													
	Semester-II													
	Semester-II													
	Semester-II													
Semester-II														
Semester-II														
Total No. of Credits						20	Total No. of Credits						20	
Summer Term	SIP101	Summer Internship Program-I	0	0	0	5	SIP101	Summer Internship Program-I	0	0	0	5		
2nd	MA211	Mathematics-III	3	1	0	3	MA211	Mathematics-III	3	1	0	3		
	TA301	Technical Report Writing	3	0	0	3	TA301	Technical Report Writing	3	0	0	3		
	ENV122	Environmental Science	3	0	0	3	ENV122	Environmental Science	3	0	0	3		
	CE201	Surveying	3	0	0	3	CE201	Surveying	3	0	0	3		
	CE224	Building Materials and Construction	3	0	0	3	CE224	Building Materials and Construction	3	0	0	3		
	CE203	Civil Engineering Drawing	0	0	6	4	CE203	Civil Engineering Drawing	0	0	6	4		
	CE201P	Surveying Field Work	0	0	3	2	CE201P	Surveying Field Work	0	0	3	2		
	ES205	Fluid Mechanics and Hydraulic Machines	3	1	0	3	ES205	Fluid Mechanics and Hydraulic Machines	3	1	0	3		
	ES205P	Fluid Mechanics and Hydraulic Machines Practical	0	0	3	2	ES205P	Fluid Mechanics and Hydraulic Machines Practical	0	0	3	2		
	Total No. of Credits						26	Total No. of Credits						26
	Semester-II													
	Semester-II													
Semester-II														
Semester-II														
Semester-II														
Semester-II														
Total No. of Credits						19	Total No. of Credits						19	
Summer Term	SIP201	Summer Internship Program-II	0	0	0	5	SIP201	Summer Internship Program-II	0	0	0	5		
3rd	SS301	Soft Skills	3	0	0	3	SS301	Soft Skills	3	0	0	3		
	CE315	Analysis of Structures I	3	1	0	3	CE315	Analysis of Structures I	3	1	0	3		
	CE314T	Geotechnical Engineering I	3	0	0	3	CE314T	Geotechnical Engineering I	3	0	0	3		
	CE313	Design of Concrete Structures I	3	1	0	3	CE313	Design of Concrete Structures I	3	1	0	3		
	CE312	Design of Steel Structures I	3	1	0	3	CE312	Design of Steel Structures I	3	1	0	3		
	CE326T	Transportation Engineering I	3	1	0	3	CE326T	Transportation Engineering I	3	1	0	3		
	CE314P	Geotechnical Engineering Practical	0	0	3	2	CE314P	Geotechnical Engineering Practical	0	0	3	2		
	CE326P	Transportation Engineering Practical	0	0	3	2	CE326P	Transportation Engineering Practical	0	0	3	2		
	Total No. of Credits						22	Total No. of Credits						22
	Semester-II													
	Semester-II													
	Semester-II													
Semester-II														
Semester-II														
Semester-II														
Total No. of Credits						22	Total No. of Credits						22	
Summer Term	SIP301	Summer Internship Program-III	0	0	0	5	SIP301	Summer Internship Program-III	0	0	0	5		
	CE451	Environmental Engineering I	3	0	0	3	CE451	Environmental Engineering I	3	0	0	3		
	CE431	Engineering Hydrology	3	0	0	3	CE431	Engineering Hydrology	3	0	0	3		
	CE413	Construction Planning & Management	3	0	0	3	CE413	Construction Planning & Management	3	0	0	3		
	CE434	Computer Aided Design Practical	0	0	3	2	CE434	Computer Aided Design Practical	0	0	3	2		
	CE434	Program Elective-I	3	0	0	3	CE434	Program Elective-I	3	0	0	3		

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CE491	Special Project I	0	0	0	5	CE491	Special Project I	0	0	0	5
Total No. of Credits						CRT302	Corporate Recruitment Training II	1	0	2	2
Semester-II						Semester-II					
Total No. of Credits						Total No. of Credits					
22						24					
Course Code	Course Name	L	T	P	U	Course Code	Course Name	L	T	P	U
CE433	Program Elective-II	3	0	0	3	CE433	Program Elective-II	3	0	0	3
	Irrigation and Water Resource Engineering	3	0	0	3		Irrigation and Water Resource Engineering	3	0	0	3
CE492	Open Elective-II	3	0	0	3	CE492	Open Elective-II	3	0	0	3
	Special Project II	3	0	0	3		Special Project II	3	0	0	3
GV401	Grand Viva	0	0	0	5	GV401	Grand Viva	0	0	0	5
CE452T	Environmental Engineering II	0	0	0	2	CE452T	Environmental Engineering II	0	0	0	2
CE452P	Environmental Engineering II Practical	3	0	0	3	CE452P	Environmental Engineering II Practical	3	0	0	3
Total No. of Credits						Total No. of Credits					
21						25					
Existing Total No. of Credits						Revised Total No. of Credits					
187						197					



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Prof. Ashim Paul
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The ICFAI University Tripura
Faculty of Science & Technology
ICFAI Technical School
Department of Civil Engineering

Program Elective Course List

Existing Program Structure for 2021-25 batch			
Sl. No	Course Name	Semester	Year
1	Design and Drawing of Hydraulic Structures	I	4th
2	Design of Bridge Structures	I	4th
3	Finite Element Methods in Civil Engineering	I	4th
4	Ground Improvement Techniques	I	4th
5	Pavement Analysis and Design	I	4th
6	Advanced Structural Analysis	I	4th
7	Pre-stressed concrete	II	4th
8	Soil Dynamics and Machine Foundations	II	4th
9	Structural Dynamics	II	4th
10	Design of Industrial Structures	II	4th
11	Foundation Design	II	4th
12	Urban Transport Planning	II	4th
13	Stability of Structures	II	4th

Revised Program Structure for 2021-25 batch			
Course Name	Semester	Year	
List of Courses for Program Elective - I			
Design and Drawing of Hydraulic Structures	I	4th	
Design of Bridge Structures	I	4th	
Foundation Design	I	4th	
Ground Improvement Techniques	I	4th	
Structural Dynamics	I	4th	
Advanced Structural Analysis	I	4th	
List of Courses for Program Elective - II			
Pre-stressed concrete	II	4th	
Soil Dynamics and Machine Foundations	II	4th	
Pavement Analysis and Design	II	4th	
Design of Industrial Structures	II	4th	
Finite Element Methods in Civil Engineering	II	4th	
Urban Transport Planning	II	4th	
Stability of Structures	II	4th	

*Student can choose only one course from elective bucket for Elective I and Elective II

Open Elective Course List

Existing Program Structure for 2020-24 batch			
Sl. No	Course Name	Semester	Year
1	Disaster Preparedness & Planning	I	4th
2	Infrastructure Financing	I	4th
3	Emerging trends in Civil Engineering	I	4th
4	Remote sensing and GIS	II	4th
5	Geo Informatics In Transportation engineering	II	4th
6	Energy and Global Environment	II	4th

Revised Program Structure for 2020-24 batch			
Course Name	Semester	Year	
Disaster Preparedness & Planning	I	4th	
Infrastructure Financing	I	4th	
Emerging trends in Civil Engineering	I	4th	
Remote sensing and GIS	II	4th	
Geo Informatics In Transportation engineering	II	4th	
Energy and Global Environment	II	4th	

*Student can choose only one course from elective bucket for Elective I and Elective II

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Rajib Saha
Dr. Rajib Saha
External Member

Prof. Ramu Debnath
Member, IUT

Through email
Dr. Samir Bajpai
External Member

Prof. Bipul Sen
Member, IUT

Mr. Bibek Ranjan Das
External Member

Dr. P. K. Sinha
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Dr. Piya Biswas
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Dr. Palash Dey
Member Secretary
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 Revised Program Structure
 B.Tech, CE 2022-2026 & B.Tech CE (Lateral Entry) 2023-2026 Batch

Year	Course Code	Semester-I			Course Code	Semester-II						
		L	P	U		L	P	U				
I	MA111	Mathematics I	3	0	3	MA121	Mathematics II	3	0	3		
	ENG103	English	2	2	3	CHEM121	Chemistry	3	0	3		
	ES101	Basics of Electrical and Electronics	3	2	4	ENV121	Environment Sciences	3	2	4		
	PHY101	Physics	3	2	4	ES122	Digital Signal Processing	2	0	2		
	CSE103	Introduction to DS and AI	3	0	3	ENG120	Professional Communication	2	2	3		
	CSE102	C. Programming	3	2	4	TA122	Workshop	3	0	3		
	Audit Course I	3	2	4	ES124	Engineering Graphics	2	2	3			
		Total No of Credits			17	8	21	Total No of Credits		16	10	21
II	Semester-III			Semester-IV								
	ES213	Introduction to IoT	3	0	3	CSE223	Web enabled Technologies	2	2	3		
	ES206	Object Oriented Programming Concepts	2	4	4	ES225	Industry coding practice (Python and R)	2	2	3		
	MA211	Mathematics III	3	0	3	CE226	Water Resources Engineering	3	0	3		
	ECN202	Principles of Managerial Economics	3	0	3	CE227	Soil Mechanics	3	2	4		
	ES207	Engineering Mechanics	3	0	3	CE228	Construction Materials and Practices	3	2	4		
	CE201	Surveying	2	2	3	ME222	Mechanics of solids	2	2	3		
	ES208	Fluid Mechanics and Hydraulic Machine	3	2	4	CRT302	Corporate Recruitment Training II	0	2	2		
	CRT301	Corporate Recruitment Training I	1	2	2	Theme Project	0	0	1			
		Theme Project	0	0	1	Total No of Credits			20	10	26	
Summer Term	Summer Internship Program I (SIP 101)						Total No of Credits			15	12	23
III	Semester-V			Semester-VI								
		Open Elective-I	3	0	3	CE330	Digital Humanities (Elective)	3	0	3		
	CE303	Structural Analysis	2	0	2	CE331	Design of Steel Structures	3	2	4		
	CE304	Machine Learning Applications in Civil Engineering	3	2	4	CE332	Building Drawing, Estimation, Costing and Valuation	3	2	4		
	CE305	Highways and Tunnel Engineering	3	2	4	CE333	Design of Concrete Structures	3	0	3		
	CE306	Foundation Engineering	3	2	4	CE***	Airports, Railways and Harbour Engineering	3	0	3		
	CE307	Water Supply and Waste Water Engineering	3	0	3	CRT304	Corporate Recruitment Training IV	1	2	2		
		Audit Course II	0	0	2	Theme Project	0	0	2			
	CRT303	Corporate Recruitment Training III	1	2	2	Total No of Credits			18	8	24	
		Theme Project	0	0	2	Total No of Credits			19	4	23	
Summer Term	Summer Internship Program II (SIP 201)						Total No of Credits			19	4	23
IV		Open Elective-II	3	0	3		Open Elective-III	0	0	5		
		Program Elective-II	3	0	3		Program Elective-III	3	0	3		
	ENV401	Environmental Engineering	3	2	4	CE421	CAD Practical	3	0	3		
	CE455	Special Project-I	0	0	3	CE456	Special Project-II	0	0	2		
	CRT305	Corporate Recruitment Training V	1	2	2	CRT306	Corporate Recruitment Training VI	0	0	3		
		Total No of Credits			10	4	15	Total No of Credits		7	2	13
		Total No of Credits			17	8	24	Total No of Credits		17	6	23

Note: Yellow mark represents new course

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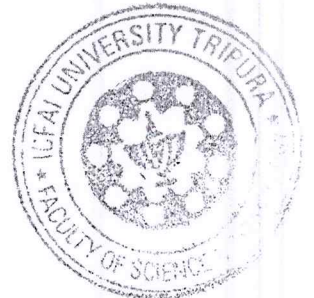
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The ICFAI University Tripura
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Department of Civil Engineering
Revised Program Structure
B.Tech, CE 2022-2026 & B.Tech CE (Lateral Entry) 2023-2026 Batch

DIGITAL HUMANITIES (ELECTIVE)				PROGRAM ELECTIVE-I							
ES302	Social Innovation	3	0	0	3	CE413	Construction Planning and Management	3	0	0	3
ES303	Innovation & Entrepreneurship	3	0	0	3	CE334	Analysis and Design of Shallow and Deep Foundation	3	0	0	3
ES304	AI and Humanities	3	0	0	3	CE335	Finite Element Analysis	3	1	2	4
OPEN ELECTIVE-I				PROGRAM ELECTIVE-II							
CE308	Intelligent Transport Systems	3	0	0	3	CE403	Ground Improvement Techniques	3	0	0	3
CE309	Infrastructure Financing	3	0	0	3	CE405	Urban Transport Planning	3	0	0	3
OPEN ELECTIVE-II				PROGRAM ELECTIVE-III							
CE401	DISASTER MANAGEMENT AND MITIGATION	3	0	0	3	CE410	Advanced Structural Analysis	3	0	0	3
CE402	Numerical Methods	3	1	0	3	CE424	Design of Hydraulic Structures	3	0	0	3
OPEN ELECTIVE-III				CE425	Environmental Impact Assessment	3	0	0	3		
CE422	GIS AND REMOTE SENSING	3	0	0	3	CE426	Prestressed Concrete and Bridge Engineering	3	0	0	3
CE423	Optimization Techniques	3	1	0	3						



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 ICFAI Technical School
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 B.Tech, CE 2023-2027 & B.Tech CE (Lateral Entry) 2024-2027 Batch

Year	Course Code	Semester-I	L	P	U	Course Code	Semester-II	L	P	U		
I	MA111	Mathematics I	3	0	3	MA121	Mathematics II	3	0	3		
	ENG103	English	2	2	3	CHEM121	Chemistry	3	2	4		
	ES101	Basics of Electrical and Electronics	3	2	4	ENV121	Environment Sciences	2	0	2		
	PHY101	Physics	3	2	4	ES122	Digital Signal Processing	2	2	3		
	CSE103	Introduction to DS and AI	3	0	3	ENG120	Professional Communication	3	0	3		
	CSE102	C- Programming	3	2	4	TA122	Workshop	2	2	3		
		Audit Course I				ES124	Engineering Graphics	1	4	3		
	Theme Project					Theme Project	0	0	1			
	Total No of Credits						Total No of Credits					
			17	8	22			16	10	22		
II		Semester-III					Semester-IV					
	ES213	Introduction to IoT	3	0	3	CSE223	Web enabled Technologies	2	2	3		
	ES206	Object Oriented Programming Concepts	2	4	4	ES225	Industry coding practice (Python and R)	2	2	3		
	MA211	Mathematics III	3	0	3	CE226	Water Resources Engineering	3	0	3		
	ECN202	Principles of Managerial Economics	3	0	3	CE227	Soil Mechanics	3	2	4		
	ES207	Engineering Mechanics	3	0	3	CE228	Construction Materials and Practices	3	2	4		
	CE201	Surveying	2	2	3	ME222	Mechanics of solids	2	2	3		
	ES208	Fluid Mechanics and Hydraulic Machine	3	2	4	CRT302	Corporate Recruitment Training II	1	2	2		
	CRT301	Corporate Recruitment Training I	1	2	2		Theme Project	0	0	1		
		Theme Project										
	Total No of Credits						Total No of Credits					
			20	10	26			16	12	23		
Summer Term	Summer Internship Program I (SIP 101)									0	0	5
III		Semester-V					Semester-VI					
		Open Elective-I	3	0	3		Digital Humanities (Elective)	3	0	3		
	CE303	Structural Analysis	3	2	4	CE330	Design of Steel Structures	3	0	3		
	CE304	Machine Learning Applications in Civil	2	0	2	CE331	Building Drawing, Estimation, Costing and	3	2	4		
	CE305	Highways and Tunnel Engineering	3	2	4	CE332	Design of Concrete Structures	3	0	3		
	CE306	Foundation Engineering	3	2	4	CE333	Airports, Railways and Harbour	3	0	3		
	CE307	Water Supply and Waste Water Engineering	3	0	3	CE***	Program Elective-I	3	0	3		
		Audit Course II				CRT304	Corporate Recruitment Training IV	1	2	2		
	CRT303	Corporate Recruitment Training III	1	2	2		Theme Project	0	0	2		
	Theme Project											
	Total No of Credits						Total No of Credits					
			18	8	24			19	4	23		
Summer Term	Summer Internship Program II (SIP 201)									0	0	5
IV		Open Elective-II	3	0	3		Open Elective-III	3	0	3		
		Program Elective-II	3	0	3		Program Elective-III	3	0	3		
	ENV401	Environmental Engineering	3	2	4	CE421	CAD Practical	0	0	2		
	CE455	Special Project-I	0	0	3	CE456	Special Project-II	0	0	3		
	CRT305	Corporate Recruitment Training V	1	2	2	CRT306	Corporate Recruitment Training VI	1	2	2		
		Theme Project										
	Total No of Credits						Total No of Credits					
			10	4	15			7	2	13		
Total No of Credits											178	

Note: Yellow mark represents new course

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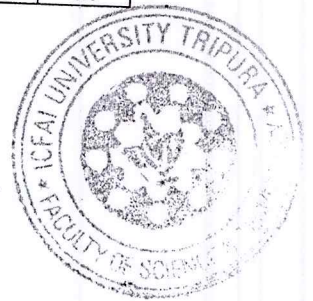
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DIGITAL HUMANITIES (ELECTIVE)					PROGRAM ELECTIVE-I						
ES302	Social Innovation	3	0	0	3	CE413	Construction Planning and Management	3	0	0	3
ES303	Innovation & Entrepreneurship	3	0	0	3	CE334	Analysis and Design of Shallow and Deep Foundation	3	0	0	3
ES304	AI and Humanities	3	0	0	3	CE335	Finite Element Analysis	3	1	2	4
OPEN ELECTIVE-I					PROGRAM ELECTIVE-II						
CE308	Intelligent Transport Systems	3	0	0	3	CE403	Ground Improvement Techniques	3	0	0	3
CE309	Infrastructure Financing	3	0	0	3	CE405	Urban Transport Planning	3	0	0	3
OPEN ELECTIVE-II					PROGRAM ELECTIVE-III						
CE401	DISASTER MANAGEMENT AND MITIGATION	3	0	0	3	CE410	Advanced Structural Analysis	3	0	0	3
CE402	Numerical Methods	3	1	0	3	CE424	Design of Hydraulic Structures	3	0	0	3
OPEN ELECTIVE-III					CE425	Environmental Impact Assessment	3	0	0	3	
CE422	GIS AND REMOTE SENSING	3	0	0	3	CE426	Prestressed Concrete and Bridge Engineering	3	0	0	3
CE423	Optimization Techniques	3	1	0	3			3	0	0	3

[Signature]
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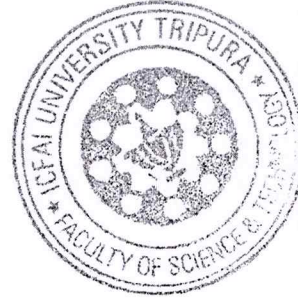
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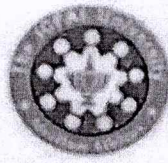
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The ICFAI University, Tripura

Established under section 4(2) of the Institute of Chartered Financial Analysts of India University, Tripura Act, 2004
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Website : www.iutripura.edu.in, Email : registrar@iutripura.edu.in

Faculty of Science and Technology

Civil Engineering Department

Minutes of meeting of Board of Studies (BOS), Civil Engineering Department, FST, IUT

Introduction

A meeting of the Board of Studies (BOS) of Civil Engineering Department, Faculty of Science and Technology was conducted on 13th April, 2023 (Thursday) at 4:00 PM on online platform regarding the newly introduction of M. Tech., in Structural Engineering specialization in the field of Civil Engineering.

Members present in the meeting were:

1. Dr. Prasanta Kumar Sinha, Principal, ITS, Faculty of Science & Technology, ICFAI University Tripura. (**Chairman, BOS**)
2. Dr. PalashDey, Assistant Professor & HoD, Civil Engineering Department, ITS, FST, ICFAI University Tripura. (**Member Secretary, BOS**)
3. Dr. Manish Sakhlecha, Professor, Civil Engineering Department, ITS, FST, ICFAI University Tripura. (**Internal Member**)
4. Prof. Ashim Paul, Assistant Professor, Civil Engineering Department, ITS, FST, ICFAI University Tripura. (**Internal Member**)
5. Dr. Prasenjit Saha, Assistant Professor, Civil Engineering Department, ITS, FST, ICFAI University Tripura. (**Internal Member**)
6. Prof. Supradip Saha, Assistant Professor, Civil Engineering Department, ITS, FST, ICFAI University Tripura. (**Internal Member**)
7. Dr. Purnendu Ray, Professor, Civil Engineering Dept., NIT Durgapur, Phone Number: 9434788037, Email ID: purnendu.ray@ce.nitdgp.ac.in, **External Member**
8. Dr. Partha Ghosh, Professor, Construction Engineering Dept., Jadavpur University, Phone Number: 9433112189 Email ID: parthaghosh.const@jadavpuruniversity.in/pghosh190678@gmail.com, **External Member**
9. Mr. Santanu Goswami, Chief Executive Officer, Electrosteel Castings Limited, Phone Number: 9771406841, Email ID: sngoswami@electrosteel.com, **External Member**


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Agenda for BOS meeting

1. Finalization of program structure of newly proposed M. Tech. in Structural Engineering Specialization, Civil Engineering Department.

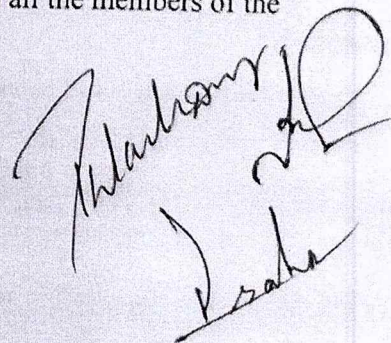
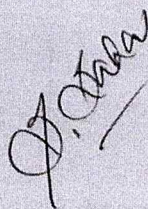

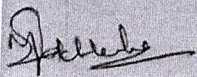
2. Credit distribution for M. Tech., Structural Engineering Program.

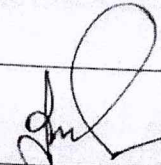
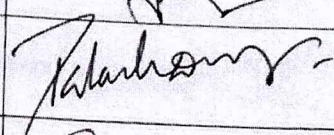
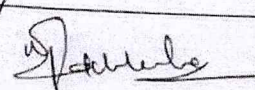
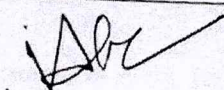
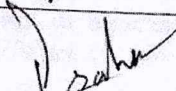
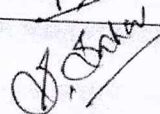
- Dr. Palash Dey, Member Secretary BOS and HoD, Civil engineering department, ITS, ICFAI University Tripura, initiated the meeting with an introductory note.
- Thereafter, Dr. Prasanta Kumar Sinha, Chairman BOS and Principal, ITS, ICFAI University Tripura, welcomed all External members in the said meeting.
- HoD presented the semester wise courses, electives offered and breaks up of entire course structure. He mentioned that the course structure proposed by University has been adopted based on academic and industrial requirements as well as the latest technology.

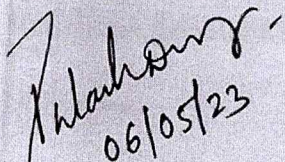
Resolution

- External members suggested the balancing of credits as per lecture hours for two subjects and for the remaining all subjects, the distribution of credit points was found satisfactory.
- External members also suggested to keep the seminar in both first and second semesters.
- It was recommended to include an introductory lecture on softwares before starting the Computer Aided Design Lab by keeping the credit point unchanged.
- Overall, the proposed design course structure found satisfactory by all the BOS members.

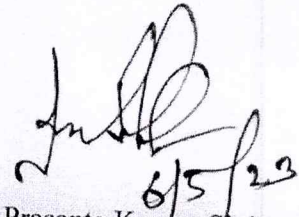
The meeting ended with vote of thanks by Dr. Prasanta Kumar Sinha to all the members of the BOS.



1	Dr. Prasanta Kumar Sinha	
2	Dr. Palash Dey	
3	Dr. Manish sakhlecha	
4	Prof. Ashim Paul	
5	Dr. Prasenjit Saha	
6	Prof. Supradip Saha	
7	Dr. Purnendu Ray	Joined online
8	Dr. Partha Ghosh	Joined online
9	Mr. Santanu Goswami	Joined online.


06/05/23

Dr. Palash Dey
Member Secretary (BOS)
HoD
Civil Engineering Department
Faculty of Science and Technology
ICFAI University, Tripura


6/5/23

(Dr.) Prasanta Kumar Sinha
Chairman (BOS)
Principal
Faculty of Science and Technology
ICFAI University, Tripura


Registrar,
ICFAI University Tripura
Kamalghat, Tripura (West).

The ICFAI University Tripura
Faculty of Science & Technology
Program Structure w.e.f 2023 (AY-2023-24) entry batch
M.Tech., Structural Engineering (SE), CE 2023-25 onwards batch

Total Credits of the Course: 80

Core Subjects: 6

Elective Subjects: 4

Seminar: 2

Project & Thesis: 2

Lab: 2

Semester-I

Sl. No	Course Code	Course Name	L	T	P	Credit
1	CEXXX	Dynamics of Structures	3	0	0	3
2	CEXXX	Theory of Elasticity & Plasticity	3	0	0	3
3	CEXXX	Advanced Structural Analysis	3	0	0	3
4	CEXXX	Elective-I	3	0	0	3
5	CEXXX	Elective-II	3	0	0	3
6	CEXXX	Concrete and Structural Engineering Lab	0	0	3	2
7	CEXXX	Seminar	-	-	-	3
Total contact hours/Credits			15	0	3	20

Semester-II

Sl. No	Course Code	Course Name	L	T	P	Credit
1	CEXXX	Advanced Structural Design	3	0	0	3
2	CEXXX	Theory of Elastic Stability	3	0	0	3
3	CEXXX	Finite Element Method	3	0	0	3
4	CEXXX	Elective-III	3	0	0	3
5	CEXXX	Elective-IV	3	0	0	3
6	CEXXX	Computer Aided Design Lab	0	0	3	2
7	CEXXX	Project Preliminary Seminar	-	-	-	3
Total contact hours/Credits			15	0	3	20


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Semester-III

Sl. No	Course Code	Course Name	L	T	P	Credit
1	CEXXX	Project & Thesis-I	-	-	-	20
Total contact hours/Credits						20

Semester-IV

Sl. No	Course Code	Course Name	L	T	P	Credit
1	CEXXX	Project & Thesis-II	-	-	-	20
Total contact hours/Credits						20

Elective Bucket

Elective-I

Sl. No	Course Code	Course Name	L	T	P	Credit
1	CEXXX	Advanced Design of Pre-stressed Concrete	3	0	0	3
2	CEXXX	Soil Structure Interaction	3	0	0	3
3	CEXXX	Design of Bridge Structure	3	0	0	3

Elective-II

Sl. No	Course Code	Course Name	L	T	P	Credit
1	CEXXX	Seismic Analysis and Design of Structures	3	0	0	3
2	CEXXX	Optimization Techniques	3	0	0	3
3	CEXXX	Advanced Concrete Technology	3	0	0	3

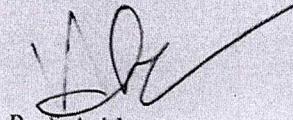
Elective-III

Sl. No	Course Code	Course Name	L	T	P	Credit
1	CEXXX	Machine Learning in Structural Engineering	3	0	0	3
2	CEXXX	Structural Health Monitoring	3	0	0	3
3	CEXXX	Repair and Rehabilitation of Structures	3	0	0	3

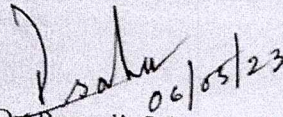

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Elective-IV

Sl. No	Course Code	Course Name	L	T	P	Credit
1	CEXXX	Construction Management and Quality Control	3	0	0	3
2	CEXXX	Theory of Plates and Shells	3	0	0	3
3	CEXXX	Vibration Control Techniques	3	0	0	3



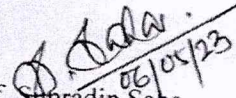
Prof. Ashim Paul
Internal Member



Dr. Prasenjit Saha
Internal Member

(Through e-mail)
online mode

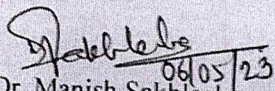
Dr. Purnendu Ray
External Member



Prof. Supradip Saha
Internal Member

(Through e-mail)
online mode

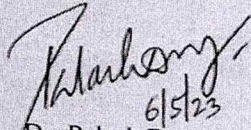
Dr. Partha Ghosh
External Member



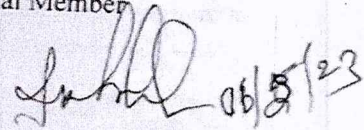
Dr. Manish Sakhlecha
Internal Member

(Through e-mail)
online mode

Mr. Santanu Goswami
External Member



Dr. Palash Dey
Member Secretary, BOS



Dr. Prasanta Kumar Sinha
Chairman, BOS



The ICFAI University, Tripura

Established under section 4(2) of the Institute of Chartered Financial Analysts of India University, Tripura Act. 2004

Campus Address : Kamalghat (Near Agartala), PIN - 799210, Tel : 0381-2865752/62, Fax : 0381-2865754

Website : www.iutripura.edu.in, Email : registrar@iutripura.edu.in

Date: 04.08.2023

Minutes of Meeting and Resolutions

Board of Studies, Department of Chemistry

Introduction:

A meeting of the Board of Studies, Department of Chemistry, ICFAI University, Tripura was held on 04.08.2023 at 3:30 P.M. on the zoom platform. Dr. Priyangshu Rana Borthakur, Dean, FST chaired the meeting.

Following members were present at the meeting:

1. Prof. Dr. Priyangshu Rana Borthakur, Member Chairman
2. Prof. Dr. Swarnali Nath Choudhury, Member Secretary
3. Dr. Ganesh Chandra Paul, Member
4. Dr. Soumendra Nath Bandyopadhyay, Member
5. Dr. Tufan Singha Mahapatra, Member
6. Dr. Subhadip Roy, Member
7. Prof. Dr. Asoke Prasun Chattopadhyay, External Member
8. Dr. Sudip Choudhury, External Member
9. Dr. Anindya Chatterjee, External Member

Grant of leave of absence (if any):

Nil.

Agenda:

The agenda deliberated were discussed and following resolutions were passed:


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Item No.	Particulars
1	<p>Consideration of Action Taken Report for approval of the previously held meeting on 05.01.2023.</p> <p>The action taken report of the last BOS meeting held on 05.01.2023 was discussed after the approval from the Academic council.</p> <p>Resolutions:</p> <p>The Action Taken Report of the previously held meeting on 05.01.2023 was approved by all the members.</p>
2	<p>Agenda:</p> <p>NEP Course Structure for AY 2023-24.</p> <p>Resolutions:</p> <p>i. The different entry and exit options were discussed with the BOS members for the four-year UG programme (Annexure attached). All the members agreed to the currently presented MEME options for implementation. The students are to be encouraged for completion of three and four-year B.Sc. programme.</p> <p>ii. The NEP structure (Annexure attached) was presented before the BOS members which was agreed upon and approved by all the BOS members.</p> <p>iii. Dr. Sudip Choudhury suggested that as per the UGC guideline in March 2023, students are to be encouraged to take (at least) 5% of the total credit on the courses on Indian Knowledge System (IKS). Two of the relevant courses to chemistry students can be:</p> <p>A) Indian Metallurgy:</p> <p style="padding-left: 40px;">Syllabus can contain ancient metallurgy originating in India.</p> <p>B) Indian Health Science:</p> <p style="padding-left: 40px;">Syllabus can contain Natural Products originating from ancient Indian culture including Ayurveda.</p> <p>iv. Dr. Sudip Choudhury suggested that students should be encouraged to take online courses from the online courses available in the Swayam portal.</p> <p>v. Dr. Soumendra Nath Bandyopadhyay suggested that more Departmental Elective Courses (DSE) can be offered based on availability of</p>


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	<p>faculty and infrastructure. Also, students can take courses from Swayam of their choice (not exceeding 40% of the total credit in a semester).</p>																																													
3	<p>Agenda:</p> <p>Offering Biochemistry as General Elective subject to the Chemistry Honours Students.</p> <p>Resolutions:</p> <p>i. All the members of the BOS agreed and approved on offering Biochemistry as an elective subject that can be chosen by any student from the Department of Chemistry as well as students from other programmes.</p>																																													
4	<p>Agenda</p> <p>Discussion of the syllabus of the subjects offered by the Department of Chemistry in 1st and 2nd Semester of 1st Year UG chemistry.</p> <p>Resolutions:</p> <p>i. The syllabi (Annexure attached) were shared with the BOS members earlier for thorough verification. The same was presented by H.O.D. Prof. (Dr.) Swarnali Nath Choudhury in the BOS meeting on behalf of the Department of Chemistry, ISS, FST, IUT.</p> <p>A) The syllabi presented as Department Specific Core Courses (DSC1 to DSC4) were appreciated and approved without any further modifications.</p> <table border="1"> <thead> <tr> <th>SL</th> <th>SEM</th> <th>CATEGORY</th> <th>CODE</th> <th>NAME</th> <th>L</th> <th>T</th> <th>P</th> <th>U</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>I</td> <td>DSC 1</td> <td>CHE103</td> <td>INTRODUCTION TO ORGANIC CHEMISTRY I</td> <td>3</td> <td>0</td> <td>2</td> <td>4</td> </tr> <tr> <td>2</td> <td>I</td> <td>DSC 2</td> <td>CHE104</td> <td>INTRODUCTION TO PHYSICAL CHEMISTRY I</td> <td>3</td> <td>0</td> <td>2</td> <td>4</td> </tr> <tr> <td>3</td> <td>II</td> <td>DSC 3</td> <td></td> <td>INTRODUCTION TO INORGANIC CHEMISTRY I</td> <td>3</td> <td>0</td> <td>2</td> <td>4</td> </tr> <tr> <td>4</td> <td>II</td> <td>DSC 4</td> <td></td> <td>INTRODUCTION TO PHYSICAL CHEMISTRY II</td> <td>3</td> <td>0</td> <td>2</td> <td>4</td> </tr> </tbody> </table> <p>B) The syllabi presented as General Electives (GE1 to GE2) in</p>	SL	SEM	CATEGORY	CODE	NAME	L	T	P	U	1	I	DSC 1	CHE103	INTRODUCTION TO ORGANIC CHEMISTRY I	3	0	2	4	2	I	DSC 2	CHE104	INTRODUCTION TO PHYSICAL CHEMISTRY I	3	0	2	4	3	II	DSC 3		INTRODUCTION TO INORGANIC CHEMISTRY I	3	0	2	4	4	II	DSC 4		INTRODUCTION TO PHYSICAL CHEMISTRY II	3	0	2	4
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U																																						
1	I	DSC 1	CHE103	INTRODUCTION TO ORGANIC CHEMISTRY I	3	0	2	4																																						
2	I	DSC 2	CHE104	INTRODUCTION TO PHYSICAL CHEMISTRY I	3	0	2	4																																						
3	II	DSC 3		INTRODUCTION TO INORGANIC CHEMISTRY I	3	0	2	4																																						
4	II	DSC 4		INTRODUCTION TO PHYSICAL CHEMISTRY II	3	0	2	4																																						


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Chemistry offered by the Department of Chemistry were appreciated and approved by the BOS members.

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1		INTRODUCTION TO GENERAL CHEMISTRY I	4	0	0	4
2	II	GE 2		INTRODUCTION TO GENERAL CHEMISTRY II	3	0	2	4

C) The syllabus of the General Biochemistry courses for the first two semesters were presented and approved with suggestions for modification in the practical component of the GENERAL BIOCHEMISTRY II.

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1	CHE105	GENERAL BIOCHEMISTRY I	3	0	2	4
2	II	GE 2		GENERAL BIOCHEMISTRY II	3	0	2	4

- Prof. Dr. Asoke Prasun Chattopadhyay suggested the book by Anil J. Elias on practicals related to biochemistry can be consulted for inclusion. One such practical experiment can be: Extraction of Chromosomes of Peas.
- Prof. Dr. Asoke Prasun Chattopadhyay, Dr. Sudip Choudhury, and Dr. Anindya Chatterjee Suggested that some practicals related to gel electrophoresis can be included in the syllabus of GENERAL BIOCHEMISTRY II.

D) The syllabus presented for Value Added Course (VAC1) offered by the Department of Chemistry: Environmental Studies (ENV223) was approved without any modification.

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	VAC	ENV223	ENVIRONMENTAL STUDIES	3	0	2	4

E) Syllabus for Interdisciplinary courses (IDC1): CHEMISTRY IN


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DAILY LIFE offered by the Department of Chemistry (for non-science background students) were discussed and approved without any change.

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	IDC 1		CHEMISTRY IN DAILY LIFE	3	0	0	3

F) The syllabus for the Skill Enhancement Course (SEC) offered by the Department of Chemistry in SEM II was appreciated and approved by the BOS members.


SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	II	SEC 2		FOOD AND NUTRITION	2	0	2	3


5	<p>Agenda</p> <p>Evaluation Scheme.</p> <p>Resolutions:</p> <p>i. The evaluation schemes were discussed for courses with:</p> <ol style="list-style-type: none"> a. only theory component b. only practical component c. both theory and practical components. <p>The evaluation scheme was appreciated and approved without any change (Annexure attached).</p>
7	<p>Any other with permission of chair</p> <p>It was suggested that laboratory and library facilities are to be enriched to support the General Biochemistry elective courses (GE).</p>


The Meeting was concluded with the vote of thanks by the chair.



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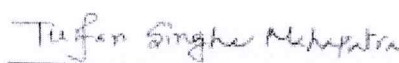
(Name and e-Signature of all Members)


1 
Prof. (Dr.) Priyanshu Rana Borthakur
(Chairman)
Professor, Dean (FST), ICFAI University
Tripura

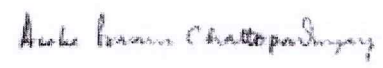
2 
Dr. Swarnali Nath Choudhury
(Member Secretary)
Professor, H.O.D. Chemistry, ICFAI
University Tripura


3 
Dr. Ganesh Chandra Paul
Assistant Professor, Department of
Chemistry, ICFAI University Tripura

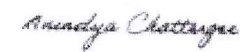
4 
Dr. Soumenendra Nath Bandyopadhyay
Assistant Professor, Department of Chemistry,
ICFAI University Tripura

5 
Dr. Tufan Singha Mahapatra
Assistant Professor, Department of
Chemistry, ICFAI University Tripura

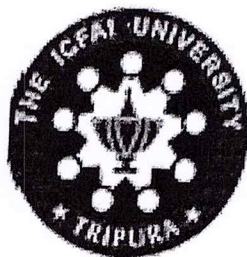
6 
Dr. Subhadip Roy
Assistant Professor, Department of Chemistry,
ICFAI University Tripura

7 
Prof. (Dr.) Asoke Prasun Chattopadhyay
Professor, Dept. of Chemistry, University of
Kalyani, West Bengal

8 
Dr. Sudip Choudhury
Associate Professor, Dept. of Chemistry,
Assam University, Shilchor, Assam

9 
Dr. Anindya Chatterjee
Scientist, TCG Lifesciences Private Limited,
Salt Lake Electronics Complex, Kolkata,
West Bengal


Registrar,
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Kamalghat, Tripura (West).



DEPARTMENT OF CHEMISTRY

**FACULTY OF SCIENCE AND
TECHNOLOGY**

ICFAI UNIVERSITY TRIPURA

**SCHEME
&
SYLLABUS
for
B. Sc CHEMISTRY
(HONS.)**

Swath

Registrar,
ICFAI University Tripura
Kamalghat, Tripura (India).

COURSE STRUCTURE**1st Year Semester I**

Sl. No.	Course Code	Course Name	L	P	U
1	CHE111T	INORGANIC CHEMISTRY I (ATOMIC STRUCTURE AND CHEMICAL BONDING)	4	0	4
2	CHE112T	PHYSICAL CHEMISTRY I (STATES OF MATTER AND IONIC EQUILIBRIUM)	4	0	4
3	CHE113T	ORGANIC CHEMISTRY I (BASICS AND HYDROCARBON)	4	0	4
4	CHE114P	CHEMISTRY LAB I (INORGANIC, PHYSICAL, ORGANIC)	0	6	4
5	EGL111	ENGLISH LANGUAGE SKILLS	4	0	3
6	PHY115T	GENERAL PHYSICS I	3	0	3
7	MAT115T	GENERAL MATHEMATICS I	3	0	3
TOTAL					25

1ST Year Semester II

Sl. No.	Course Code	Course Name	L	P	U
1	CHE121T	ORGANIC CHEMISTRY II (OXYGEN CONTAINING FUNCTIONAL GROUPS)	4	0	4
2	CHE122T	INORGANIC CHEMISTRY II (s- AND p-BLOCK ELEMENTS)	4	0	4
3	CHE123T	PHYSICAL CHEMISTRY II (CHEMICAL THERMODYNAMICS ANDS ITS APPLICATIONS)	4	0	4
4	CHE124P	CHEMISTRY LAB II (INORGANIC, PHYSICAL, ORGANIC)	0	6	4
5	ENV222	ENVIRONMENTAL STUDIES	4	0	4
6	PHY125T	GENERAL PHYSICS II	3	0	3
7	MAT125T	GENERAL MATHEMATICS II	3	0	3
TOTAL					26


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Summer

Sl. No.	Course Code	Course Name	L	P	U
1	BSCIP101	SUMMER INTERNSHIP PROGRAM I	0	0	5

2nd Year Semester III

Sl. No.	Course Code	Course Name	L	P	U
1	CHE211T	INORGANIC CHEMISTRY III (COORDINATION CHEMISTRY)	4	0	4
2	CHE212T	ORGANIC CHEMISTRY III (HETEROCYCLIC CHEMISTRY)	4	0	4
3	CHE213T	PHYSICAL CHEMISTRY III (PHASE EQUILIBRIA AND ELECTROCHEMICAL CELLS)	4	0	4
4	CHE214P	CHEMISTRY LAB III (INORGANIC, PHYSICAL, ORGANIC)	0	0	6
5	PHY216T	GENERAL PHYSICS III	0	6	4
6	PHY217P	GENERAL PHYSICS LAB	0	3	2
7	MAT214T	GENERAL MATHEMATICS III			
TOTAL					24

2nd Year Semester IV

Sl. No.	Course Code	Course Name	L	P	U
1	CHE221T	INORGANIC CHEMISTRY IV (ORGANOMETALLIC CHEMISTRY)	4	0	4
2	CHE222T	ORGANIC CHEMISTRY IV (SPECTROSCOPY)	4	0	4
3	CHE223T	PHYSICAL CHEMISTRY IV (CONDUCTANCE AND CHEMICAL KINETICS)	4	0	4
4	CHE224P	CHEMISTRY LAB IV (INORGANIC, PHYSICAL, ORGANIC)	0	6	4
5	PHY226T	GENERAL PHYSICS IV	3	0	3
6	MAT224T	GENERAL MATHEMATICS IV	3	0	3
7	SSU354	SOFT SKILLS	2	1	3
TOTAL					25

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Summer

Sl. No.	Course Code	Course Name	L	P	U
1	BSCIP201	SUMMER INTERNSHIP PROGRAM II	0	0	5

3rd Year Semester V

Sl. No.	Course Code	Course Name	L	P	U
1	CHE311T	ORGANIC CHEMISTRY V (BIOMOLECULES)	4	0	4
2	CHE312T	PHYSICAL CHEMISTRY V (QUANTUM CHEMISTRY AND SPETROSCOPY)	4	0	4
3	CHE313P	CHEMISTRY LAB V (ORGANIC AND PHYSICAL)	0	6	4
4		ELECTIVE I (CORE)	X	X	4
5		ELECTIVE II (OPEN)	4	0	4
TOTAL					20

3rd Year Semester VI

Sl. No.	Course Code	Course Name	L	P	U
1	CHE321T	APPLICATIONS OF COMPUTER IN CHEMISTRY	3	3	4
2	CHE322T	ANALYTICAL METHODS IN CHEMISTRY	4	0	4
3	CHE323P	CHEMISTRY LAB VI (ANALYTICAL METHODS IN CHEMISTRY)	0	6	4
4		ELECTIVE III (CORE)	X	X	4
5		ELECTIVE IV (OPEN)	4	0	4
TOTAL					20


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SEMESTERWISE CREDIT DISTRIBUTION

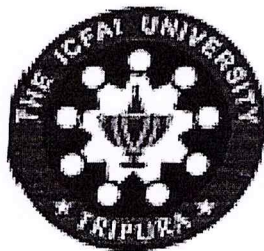
Sl. No.	Semester	Unit
1	SEMESTER I	25
2	SEMESTER II	26
3	SUMMER	5
4	SEMESTER III	24
5	SEMESTER IV	25
6	SUMMER	5
7	SEMESTER V	20
8	SEMESTER VI	20
GRAND TOTAL		150

OFFERED COURSE TYPE

Sl. No.	Course Type	Total No.	U
1	COUMPULSORY CORE COURSE	21	84
2	ELECTIVE CORE COURSE	2	8
3	OPEN ELECTIVE COURSE	2	8
4	COMPUTER CORE COURSE	1	4
5	ABILITY ENHANCING COURSE	2	6
6	BASIC SCIENCE COURSE	10	30
7	SUMMER INTERNSHIP PROGRAM	2	10
GRAND TOTAL		40	150


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DEPARTMENT OF CHEMISTRY

**FACULTY OF SCIENCE AND
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**SCHEME
&
SYLLABUS
for
M. Sc CHEMISTRY**


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COURSE STRUCTURE**1st Year Semester I**

Sl. No.	Course Code	Course Name	L	P	U
1	CHE511T	INORGANIC CHEMISTRY I	4	0	4
2	CHE512T	ORGANIC CHEMISTRY I	4	0	4
3	CHE513T	PHYSICAL CHEMISTRY I	4	0	4
4	CHE514T	GENERAL CHEMISTRY	4	0	4
5	CHE515P	IORGANIC CHEMISTRY PRACTICAL	0	6	4
6	MA521T	C – PROGRAMMING	3	0	3
7	MA521P	C – PROGRAMMING PRACTICAL	0	3	2
TOTAL					25

1ST Year Semester II

Sl. No.	Course Code	Course Name	L	P	U
1	CHE521T	ORGANIC CHEMISTRY II	4	0	4
2	CHE522T	INORGANIC CHEMISTRY II	4	0	4
3	CHE523T	PHYSICAL CHEMISTRY II	4	0	4
4	CHE524T	QUANTUM CHEMISTRY AND MOLECULAR SPECTROSCOPY	4	0	4
5	CHE525P	IORGANIC CHEMISTRY PRACTICAL	0	6	4
TOTAL					20

Summer

Sl. No.	Course Code	Course Name	L	P	U
1	MSCIP101	SUMMER INTERNSHIP PROGRAM	0	0	10


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2nd Year Semester III


Sl. No.	Course Code	Course Name	L	P	U
1	CHE611T	APPLICATION OF SPECTROSCOPY	4	0	4
2	CHE612T	INORGANIC CHEMISTRY III	4	0	4
3	CHE613T	ORGANIC CHEMISTRY III	4	0	4
4	CHE614T	PHYSICAL CHEMISTRY III	4	0	4
5	CHE615P	PHYSICAL CHEMISTRY PRACTICAL	0	6	4
6		ELECTIVE I (CORE)	4	0	4
TOTAL					24

2nd Year Semester IV

Sl. No.	Course Code	Course Name	L	P	U
1	CHE621T	CHEMISTRY OF ADVANCED MATERIAL	4	0	4
2	CHE629	MASTER'S DISSERTATION	0	0	10
3		ELECTIVE II (CORE)	4	0	4
4		ELECTIVE III (OPEN)	4	0	4
TOTAL					22

SEMESTERWISE CREDIT DISTRIBUTION

Sl. No.	Semester	Unit
1	SEMESTER I	25
2	SEMESTER II	20
3	SUMMER	10
4	SEMESTER III	24
5	SEMESTER IV	22
GRAND TOTAL		101


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OFFERED COURSE TYPE

Sl. No.	Course Type	Total No.	U
1	COUMPULSORY CORE COURSE	17	74
2	ELECTIVE CORE COURSE	2	8
3	OPEN ELECTIVE COURSE	1	4
4	COMPUTER CORE COURSE	2	5
5	SUMMER INTERNSHIP PROGRAM	1	10
GRAND TOTAL		23	101

LIST OF ELECTIVES

SEMESTER III					
Sl. No.	Course Code	Course Name	L	P	U
1	CHE651T	ORGANOMETALLIC CHEMISTRY	4	0	4
2	CHE652T	ART IN ORGANIC SYNTHESIS	4	0	4
3	CHE653T	ADVANCED SPECTROSCOPY	4	0	4
4	CHE654T	QUANTUM MECHANICS	4	0	4
5	CHE655T	ANALYTICAL AND COMPUTATIONAL CHEMISTRY	4	0	4
SEMESTER IV					
Sl. No.	Course Code	Course Name	L	P	U
6	CHE661T	CHEMISTRY IN MEDICINE	4	0	4
7	CHE662T	CHIRAL SYNTHESIS, DRUGS AND DYES	4	0	4
8	CHE663T	COORDINATION CHEMISTRY: STRUCTURE, BONDING, SPECTRA, MAGNETIC PROPERTIES AND REACTION MECHANISM	4	0	4
9	CHE664T	STATISTICAL MECHANICS	4	0	4


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CATEGORY OF COURSES**COMPULSORY CORE COURSE**

Sl. No.	Course Code	Course Name	L	P	U
1	CHE511T	INORGANIC CHEMISTRY I	4	0	4
2	CHE512T	ORGANIC CHEMISTRY I	4	0	4
3	CHE513T	PHYSICAL CHEMISTRY I	4	0	4
4	CHE414T	GENERAL CHEMISTRY	4	0	4
5	CHE515P	INORGANIC CHEMISTRY PRACTICAL	4	0	4
6	CHE521T	ORGANIC CHEMISTRY II	4	0	4
7	CHE522T	INORGANIC CHEMISTRY II	4	0	4
8	CHE523T	PHYSICAL CHEMISTRY II	4	0	4
9	CHE524T	QUANTUM CHEMISTRY AND MOLECULAR SPECTROSCOPY	4	0	4
10	CHE525P	ORGANIC CHEMISTRY PRACTICAL	4	0	4
11	CHE611T	APPLICATION OF SPECTROSCOPY	4	0	4
12	CHE612T	INORGANIC CHEMISTRY III	4	0	4
13	CHE613T	ORGANIC CHEMISTRY III	4	0	4
14	CHE614T	PHYSICAL CHEMISTRY III	4	0	4
15	CHE615P	PHYSICAL CHEMISTRY PRACTICAL	4	0	4
16	CHE621T	CHEMISTRY OF ADVANCED MATERIAL	4	0	4
17	CHE629	MASTER'S DISSERTATION	0	0	10

ELECTIVE CORE COURSES

Sl. No.	Course Code	Course Name	L	P	U
1	CHE651T	ORGANOMETALLIC CHEMISTRY	4	0	4
2	CHE652T	ART IN ORGANIC SYNTHESIS	4	0	4
3	CHE653T	ADVANCED SPECTROSCOPY	4	0	4
4	CHE654T	QUANTUM MECHANICS	4	0	4
5	CHE655T	ANALYTICAL AND COMPUTATIONAL CHEMISTRY	4	0	4
6	CHE662T	CHIRAL SYNTHESIS, DRUGS AND DYES	4	0	4
7	CHE663T	COORDINATION CHEMISTRY: STRUCTURE, BONDING, SPECTRA, MAGNETIC PROPERTIES AND REACTION MECHANISM	4	0	4
7	CHE516	Advance synthetic Organic Chemistry	4	0	4
8	CHE664T	STATISTICAL MECHANICS	4	0	4


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OEPN ELECTIVE COURSE

Sl. No.	Course Code	Course Name	L	P	U
1	CHE661T	CHEMISTRY IN MEDICINE	4	0	4

COMPUTER CORE COURSE

Sl. No.	Course Code	Course Name	L	P	U
1	MA521T	C-PROGRAMMING	0	3	2
2	MA521P	C-PROGRAMMING PRACTICAL	3	0	3

SUMMER INTERNSHIP PROGRAM

Sl. No.	Course Code	Course Name	L	P	U
1	MSCIP101	SUMMER INTERNSHIP PROGRAM	0	0	10

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The ICFAI University, Tripura

Established under section 4(2) of the Institute of Chartered Financial Analysts of India University, Tripura Act. 2004
Campus Address : Kamalghat (Near Agartala), PIN - 799210, Tel : 0381-2865752/62, Fax : 0381-2865754
Website : www.iutripura.edu.in, Email : registrar@iutripura.edu.in

Ref No.- IUT/FST/Approval Note/2022-23/D-889

Date: 13/07/2023

APPROVAL NOTE

The Department of Chemistry, ICFAI Science School, has prepared the 4-year B. Sc. Programme structure under the National Education Policy-2020 (NEP2020) which will be offered in the upcoming academic year 2023-24 with Multiple-Entry-Multiple-Exit scheme (MEME). This will enable the students to enter and exit at multiple levels of their choice. The Department of Chemistry hereby presents the Proposed Programme Structure along with MEME Scheme, offered course list, and available course handouts (Annexure attached).

We recommend and request you to give approval for the above.

Soumendra Nath Bandyopadhyay

Prepared By: Dr. Soumendra Nath Bandyopadhyay
Assistant Professor, Department of Chemistry, ISS, FST
The ICFAI University Tripura

Priyanshu Rana Borthakur
19/7/23

Prof. Dr. Priyanshu Rana Borthakur
Dean, FST
The ICFAI University Tripura

Swathi

Prof. Dr. Swarnali Nath Choudhury
HOD, Department of Chemistry, ISS, FST
The ICFAI University Tripura

Subhasish Chatterjee
19.07.23

Prof. Dr. Subhasish Chatterjee
Dean, Academics affairs
The ICFAI University Tripura

A. Ranganath

Prof. Dr. A. Ranganath
Registrar,
The ICFAI University Tripura

Biplab Halder
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Prof. Dr. Biplab Halder
Vice Chancellor,
The ICFAI University Tripura

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DEPARTMENT OF CHEMISTRY

ICFAI SCIENCE SCHOOL

FACULTY OF SCIENCE AND TECHNOLOGY

ICFAI UNIVERSITY TRIPURA

(2023-24)

SCHEME

&

SYLLABI


under


NATIONAL EDUCATION
POLICY (NEP 2020)

B. Sc. Chemistry

(UG 4-YEAR SCHEME & SYLLABI)


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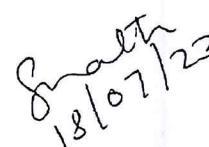

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Minimum credit requirement to award degree under each category

Sl no.	Broad Category of Course	3 Years UG		4 Years UG		
		Minimum Credit Requirement	Credit Offered	Minimum Credit Requirement	Credit Offered	
					B. Sc. (Honours) (OPTION 6)	B. Sc. (Honours with Research) (OPTION 7)
1.	Discipline Specific Core/Discipline Specific Elective Courses	60	40+28 = 68	80	48+52=100	48+48=96
2.	Minor / GE	24	28	32	36	28
3.	Interdisciplinary Courses	09	09	09	09	09
4.	Ability Enhancement Courses (Language)	08	08	08	08	08
5.	Skill Enhancement Courses	09	09	09	09	09
6.	Common Value added courses	06-08	08	06-08	08	08
7.	Internship	2-4	4	2-4	4	04
8.	Research Project and Dissertation	-	-	12	-	12
9.	Research Methodology	-	-	-	4	4
10.	Total Credits	120	134	160	178	178


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DEPARTMENT OF CHEMISTRY

4-YEAR PROGRAMME STRUCTURE

B. Sc. CHEMISTRY

DSC: DEPARTMENT SPECIFIC CORE DSE: DEPARTMENT SPECIFIC ELECTIVE

GE: GENERAL ELECTIVE IDC: INTERDISCIPLINARY COURSE

AEC: ABILITY ENHANCEMENT COURSE SEC: SKILL ENHANCEMENT COURSE

VAC: VALUE ADDED COURSE

4 YEAR PROGRAMME STRUCTURE														
YEAR	SEMESTER I								SEMESTER II					
	SL	COUR SE CODE	COURSE NAME	L	T	P	U	SL	COUR SE CODE	COURSE NAME	L	T	P	U
YEAR 1	1		INTRODUCTION TO ORGANIC CHEMISTRY I	3	0	2	4	1		INTRODUCTION TO INORGANIC CHEMISTRY I	3	0	2	4
	2		INTRODUCTION TO PHYSICAL CHEMISTRY I	3	0	2	4	2		INTRODUCTION TO PHYSICAL CHEMISTRY II	3	0	2	4
	3		GE 1				4	3		GE 2				4
	4		IDC 1				3	4		AEC 1				3
	5		SEC 1				3	5		SEC 2				3
	6		VAC 1				4	6		VAC 2				4
	TOTAL CREDIT				22				TOTAL CREDIT				22	
SUMMER	1		SUMMER INTERNSHIP PROGRAMME I								2 OR 4			
YEAR	SEMESTER III								SEMESTER IV					
	SL	COUR SE CODE	COURSE NAME	L	T	P	U	SL	COUR SE CODE	COURSE NAME	L	T	P	U
YEAR 2	1		INTRODUCTION TO INORGANIC CHEMISTRY II	3	0	2	4	1		PHASE EQUILIBRIA AND CHEMICAL CELLS	3	0	2	4
	2		DSE 1				4	2		DSE 2				4
	3		GE 3				4	3		DSE 3				4
	4		IDC 2				3	4		GE 4				4
	5		AEC 2				3	5		IDC 3				3
	6		SEC 3				3	6		AEC 3				2
	TOTAL				21				TOTAL				21	
SUMMER	1		SUMMER INTERNSHIP PROGRAMME II								2 / 4			


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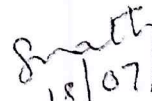
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YEAR	SEMESTER V								SEMESTER VI							
	SL	COUR SE CODE	COURSE NAME	L	T	P	U	SL	COUR SE CODE	COURSE NAME	L	T	P	U		
3	1		INTRODUCTION TO COORDINATION CHEMISTRY	4	0	0	4	1		INTRODUCTION TO ORGANOMETALLIC CHEMISTRY	4	0	0	4		
	2		ORGANIC SPECTROSCOPY	4	0	0	4	2		CHEMISTRY OF BIOMOLECULES	4	0	0	4		
	3		DSE 4				4	3		DSE 6				4		
	4		DSE 5				4	4		DSE 7				4		
	5		GE 5				4	5		GE 6				4		
	6							6		GE 7				4		
TOTAL				20				TOTAL				24				
4	SEMESTER VII								SEMESTER VIII							
	SL	COUR SE CODE	COURSE NAME	L	T	P	U	SL	COUR SE CODE	COURSE NAME	L	T	P	U		
	1		ADVANCED INORGANIC CHEMISTRY	3	0	2	4	1		ADVANCED MOLECULAR SPECTROSCOPY	3	0	2	4		
	2		RESEARCH METHODOLOGY	4	0	0	4	2		DSE 12				4		
	3		DSE 8				4	3		GE 9 OR DSE 13				4		
	4		DSE 9				4	4		PROJECT II OR (DSE 14 AND DSE 15)				8		
	5		GE 8 OR DSE 11				4	5								
6		PROJECT I OR DSE 10				4	6									
TOTAL				24				TOTAL				20				


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SEMESTER-WISE CREDIT DISTRIBUTION

PART	CREDIT
SEMESTER I	22
SEMESTER II	22
SUMMER INTERNSHIP PROGRAMME I	2 OR 4
SEMESTER III	21
SEMESTER IV	21
SUMMER INTERNSHIP PROGRAMME II (OPTIONAL WITH SIP I)	2
SEMESTER V	20
SEMESTER VI	24
SEMESTER VII	24
SEMESTER VIII	20
TOTAL	178

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**MULTIPLE ENTRY MULTIPLE EXIT SCHEME
MEME SCHEME**

ENTRY			EXIT		
YEAR	DEGREE	CRITERIA	YEAR	(OPTION) DEGREE	CRITERIA
INTO 1 ST YEAR	12 TH PASS	SUBJECT: CHEMISTRY IN 12 TH	AFTER 1 ST YEAR	(OPTION 1) UG CERTIFICATE	48 CREDITS
					4 DSC = 16 2 GE = 8 1 SIP = 4
INTO 2 ND YEAR	1-YEAR UG CERTIFICATE	SUBJECT: CHEMISTRY IN CERTIFICATE	AFTER 2 ND YEAR	(OPTION 2) UG DIPLOMA	90 CREDITS
					6 DSC = 24 3 DSE = 12 4 GE = 16 2 SIP = 4
INTO 3 RD YEAR	UG DIPLOMA	SUBJECT: CHEMISTRY IN DIPLOMA	AFTER 3 RD YEAR	(OPTION 3) B. Sc. WITH MAJOR IN CHEMISTRY *50% Chemistry Different GE subjects	134 CREDITS
					10 DSC = 40 7 DSE = 28 7 GE = 28 1 SIP = 4
				(OPTION 4) B. Sc. WITH MAJOR IN CHEMISTRY AND MINOR IN ANOTHER SUBJECT *50% Chemistry Same subject minor GE	134 CREDITS
					10 DSC = 40 7 DSE = 28 7 GE = 28 1 SIP = 4
INTO 4 TH YEAR	B. Sc.	SUBJECT: CHEMISTRY AS MAJOR	AFTER 4 TH YEAR	(OPTION 5) B. Sc. WITH CHEMISTRY HONOURS *108 Credit Chemistry Different/ Same subject minor GE up to 3 rd year	178 CREDITS
					12 DSC = 48 15 DSE = 60 Research Methodology = 4 7 GE = 28 1 SIP = 4
			AFTER 4 TH YEAR	(OPTION 6) B. Sc. WITH CHEMISTRY HONOURS AND MINOR (IN ANOTHER SUBJECT) *100 Credit Chemistry Same subject minor GE up to 4 th year	178 CREDITS
					12 DSC = 48 13 DSE = 52 Research Methodology = 4 9 GE = 36 1 SIP = 4
				(OPTION 7) B. Sc. CHEMISTRY HONOURS	178 CREDITS


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				<p align="center">WITH RESEARCH</p> <p>*108 Credit Chemistry **75% CGPA required up to 3rd year to take Research Projects (4+8 = 12 Credits) in 4th year ***Different/ Same subject minor GE up to 3rd year</p>	12 DSC = 48 12 DSE = 48 Research = 12 Research Methodology = 4 7 GE = 28 1 SIP = 4	3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8
				<p align="center">(OPTION 8)</p> <p>B. Sc. CHEMISTRY HONOURS WITH RESEARCH AND MINOR (IN ANOTHER SUBJECT)</p> <p>* 100 Credit Chemistry *75% CGPA required up to 3rd year to take Research Projects (4+8 = 12 Credits) in 4th year ***Same subject minor GE up to 4th year</p>	<p align="center">178 CREDITS</p>	
					12 DSC = 48 10 DSE = 40 Research = 12 Research Methodology = 4 9 GE = 36 1 SIP = 4	3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8

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COURSES OFFERED BY THE DEPARTMENT OF CHEMISTRY

DISCIPLINE SPECIFIC CORE COURSES (DSC)								
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	DSC 1		INTRODUCTION TO ORGANIC CHEMISTRY I	3	0	2	4
2	I	DSC 2		INTRODUCTION TO PHYSICAL CHEMISTRY I	3	0	2	4
3	II	DSC 3		INTRODUCTION TO INORGANIC CHEMISTRY I	3	0	2	4
4	II	DSC 4		INTRODUCTION TO PHYSICAL CHEMISTRY II	3	0	2	4
5	III	DSC 5		INTRODUCTION TO INORGANIC CHEMISTRY II	3	0	2	4
6	IV	DSC 6		PHASE EQUILIBRIA AND CHEMICAL CELLS	3	0	2	4
7	V	DSC 7		INTRODUCTION TO COORDINATION CHEMISTRY	4	0	0	4
8	V	DSC 8		ORGANIC SPECTROSCOPY	4	0	0	4
9	VI	DSC 9		INTRODUCTION TO ORGANOMETALLIC CHEMISTRY	4	0	0	4
10	VI	DSC 10		CHEMISTRY OF BIOMOLECULES	4	0	0	4
11	VII	DSC 11		ADVANCED INORGANIC CHEMISTRY	3	0	2	4
12	VIII	DSC 12		ADVANCED MOLECULAR SPECTROSCOPY	3	0	2	4
13		SIP 1		SUMMER INTERNSHIP PROJECT I				4/2
14		SIP 2		SUMMER INTERNSHIP PROJECT II				2
15	VII	Project		RESEARCH PROJECT I				4
16	VIII	Project		RESEARCH PROJECT II				8

RESEARCH METHODOLOGY COURSE								
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	VII			RESEARCH METHODOLOGY	4	0	0	4

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COURSES OFFERED BY THE DEPARTMENT OF CHEMISTRY

DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)								
Sl. No.	SEM	CATEGORY	CODE	NAME	1	2	3	4
1	III	DSE 1		INTRODUCTION TO ORGANIC CHEMISTRY II	2	0	2	4
2	IV	DSE 2		HETEROCYCLIC CHEMISTRY	4	0	0	4
3	IV	DSE 3		ANALYTICAL CHEMISTRY	2	0	2	4
4	V	DSE 4		INTRODUCTION TO CHEMICAL KINETICS AND CONDUCTANCE	2	0	2	4
5	V	DSE 5		QUANTUM CHEMISTRY	4	0	0	4
6	VI	DSE 6		COMPUTATIONAL CHEMISTRY	2	0	2	4
7	VI	DSE 7		ADVANCED PHYSICAL CHEMISTRY	2	0	2	4
8	VII	DSE 8		ADVANCED ORGANIC CHEMISTRY	2	0	2	4
9	VII	DSE 9		POLYMER CHEMISTRY	4	0	0	4
10	VII	DSE 10		FUEL CHEMISTRY AND BATTERIES	4	0	0	4
11	VII	DSE 11		GREEN CHEMISTRY	4	0	0	4
12	VIII	DSE 12		ANALYTICAL CLINICAL BIOCHEMISTRY	4	0	0	4
13	VIII	DSE 13		INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS	4	0	0	4
14	VIII	DSE 14		ADVANCED BIOINORGANIC CHEMISTRY	4	0	0	4
15	VIII	DSE 15		INDUSTRIAL CHEMICALS AND ENVIRONMENT	4	0	0	4
16		DSE		SUPRAMOLECULAR CHEMISTRY	4	0	0	4
17		DSE		CHEMICAL TECHNOLOGY AND SOCIETY	4	0	0	4
18		DSE		LASER FUNDAMENTALS AND APPLICATIONS	4	0	0	4
19		DSE		CHARACTERISATION TECHNIQUES IN CHEMICAL RESEARCH	4	0	0	4


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COURSES OFFERED BY THE DEPARTMENT OF CHEMISTRY

CHEMISTRY: GENERAL ELECTIVES (GE)								
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1		INTRODUCTION TO GENERAL CHEMISTRY I	4	0	0	4
2	II	GE 2		INTRODUCTION TO GENERAL CHEMISTRY II	4	0	0	4
3	III	GE 3		INTRODUCTION TO GENERAL CHEMISTRY III	4	0	0	4
4	IV	GE 4		INTRODUCTION TO GENERAL CHEMISTRY IV	4	0	0	4
5	V	GE 5		GENERAL CHEMISTRY PRACTICAL	0	0	6	4
6	VI	GE 6		INDUSTRIAL CHEMISTRY	4	0	0	4
7	VI	GE 7		COSMETIC CHEMISTRY	4	0	0	4
8	VII	GE 8		PESTICIDE CHEMISTRY	4	0	0	4
9	VIII	GE 9		PHARMACEUTICAL CHEMISTRY	4	0	0	4

COURSES OFFERED BY THE DEPARTMENT OF CHEMISTRY

BIOCHEMISTRY: GENERAL ELECTIVES (GE)								
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1		GENERAL BIOCHEMISTRY I	4	0	0	4
2	II	GE 2		GENERAL BIOCHEMISTRY II	4	0	0	4
3	III	GE 3		GENERAL BIOCHEMISTRY III	4	0	0	4
4	IV	GE 4		GENERAL BIOCHEMISTRY IV	4	0	0	4
5	V	GE 5		GENERAL BIOCHEMISTRY V	4	0	0	4
6	VI	GE 6		GENERAL BIOCHEMISTRY VI	4	0	0	4
7	VI	GE 7		GENERAL BIOCHEMISTRY VII	0	0	6	4

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COURSES OFFERED BY OTHER DEPARTMENTS

NCC: GENERAL ELECTIVE COURSES (GE)								
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I-VI	GE		NCC:				24

PHYSICS: GENERAL ELECTIVE (GE) COURSES

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1		MECHANICS	3	0	2	4
2	II	GE 2		INTRODUCTION TO HEAT AND THERMODYNAMICS	3	0	2	4
3	III	GE 3		BASICS OF ELECTROMAGNETISM	4	0	0	4
4	IV	GE 4		INTRODUCTION TO MODERN PHYSICS	4	0	0	4
5	V	GE 5		ELECTRONICS & SEMICONDUCTOR PHYSICS	3	0	2	4
6	VI	GE 6		CONDENSED MATTER PHYSICS	4	0	0	4
7	VI	GE 7		BASICS OF THEORETICAL PHYSICS	3	1	0	4
8	VII	GE 8		BASICS OF EXPERIMENTAL PHYSICS	4	0	0	4
9	VIII	GE 9		BASICS OF COMPUTATIONAL PHYSICS	3	0	2	4

PHYSICS: COMPUTER GENERAL ELECTIVES (GE)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GP 1		INTRODUCTION TO COMPUTER	4	0	0	4
2	II	GP 2		INTRODUCTION TO C PROGRAMMING	4	0	0	4
3	III	GP 3		OBJECT ORIENTED PYTHON PROGRAMMING	4	0	0	4
4	IV	GP 4		DATA SCIENCE FOUNDATION	4	0	0	4
5	V	GP 5		APPLICATION OF COMPUTER IN SCIENCE	4	0	0	4
6	VI	GP 6		INTRODUCTION TO ML AND DL	4	0	0	4
7	VI	GP 7		INTRODUCTION TO LINUX & SHELL SCRIPTING	4	0	0	4
8	VII	GP 8		HANDS ON DATA SCIENCE I	4	0	0	4
9	VIII	GP 9		HANDS ON DATA SCIENCE II	4	0	0	4

MATHEMATICS: GENERAL ELECTIVES (GE)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GP 1		ALGEBRA	3	1	0	4
2	II	GP 2		DIFFERENTIAL EQUATIONS	3	1	0	4
3	III	GP 3		VECTOR CALCULUS	3	1	0	4
4	IV	GP 4		INTEGRAL CALCULUS	3	1	0	4
5	V	GP 5		LINEAR PROGRAMMING PROBLEM	3	1	0	4
6	VI	GP 6		PROBABILITY AND STATISTICS	3	1	0	4
7	VI	GP 7		DIFFERENTIAL CALCULUS	3	1	0	4
8	VII	GP 8		ANALYSIS	3	1	0	4
9	VIII	GP 9		DIFFERENTIAL ANALYSIS	3	1	0	4


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COURSES OFFERED BY THE DEPARTMENT OF CHEMISTRY

INTERDISCIPLINARY COURSES (IDC)								
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	IDC 1		CHEMISTRY IN DAILY LIFE	3	0	0	3
2	III	IDC 1		FUNDAMENTALS OF NANOSCIENCE	3	0	0	3
3	III	IDC 2		CHEMISTRY FOR ENTREPRENEURS	3	0	0	3
4	IV	IDC 3		PETROCHEMICAL SCIENCE	3	0	0	3
5	IV	IDC 3		BASIC CHEMISTRY	3	0	0	3

COURSES OFFERED BY OTHER DEPARTMENTS

INTERDISCIPLINARY COURSES (IDC)								
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	IDC 1		HISTORY OF PHYSICS	3	0	0	3
2	I	IDC 1		MATHEMATICS IN DAILY LIFE	3	0	0	3
3	I	IDC 1		POSITIVE PSYCHOLOGY	3	0	0	3
4	III	IDC 2		PHYSICS AROUND US	3	0	0	3
5	III	IDC 2		VEDIC MATHEMATICS	3	0	0	3
6	III	IDC 2		EDUCATIONAL PSYCHOLOGY	3	0	0	3
7	IV	IDC 3		PRINCIPLES OF MANAGEMENT	3	0	0	3
8	IV	IDC 3		ELEMENTARY ASTROPHYSICS	3	0	0	3
9	IV	IDC 3		APPLICATION OF MATHEMATICS	3	0	0	3

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COURSES OFFERED BY OTHER DEPARTMENTS

ABILITY ENHANCEMENT COURSES (AEC)

Sl	SEM	COURSE	CODE	NAME	L	T	P	U
1	III	AEC 1		ENGLISH LANGUAGE SKILLS I	1	0	0	3
2	III	AEC 2		ENGLISH LANGUAGE SKILLS II	1	0	0	3
3	IV	AEC 3		MODERN INDIAN LANGUAGE (SWAYAM MOOC)	2	0	0	2

COURSES OFFERED BY CHEMISTRY DEPARTMENT

SKILL ENHANCEMENT COURSES (SEC)

Sl	SEM	COURSE	CODE	NAME	L	T	P	U
1	III	SEC 2		FOOD AND NUTRITION	2	0	2	3

COURSES OFFERED BY OTHER DEPARTMENTS

SKILL ENHANCEMENT COURSES (SEC)

Sl	SEM	COURSE	CODE	NAME	L	T	P	U
1	I	SEC 1		SOFT SKILLS	3	0	0	3
2	III	SEC 3		REASONING AND APTITUDE	3	0	0	3

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COURSES OFFERED BY THE DEPARTMENT OF CHEMISTRY

VALUE ADDED COURSES (VAC)								
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I/II	VAC		ENVIRONMENTAL STUDIES	4	0	0	4

COURSES OFFERED BY OTHER DEPARTMENTS

VALUE ADDED COURSES (VAC)								
SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I/II	VAC		YOGA				4

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Minimum credit requirement to award degree under each category

Sl no.	Broad Category of Course	3 Years UG		4 Years UG		
		Minimum Credit Requirement	Credit Offered	Minimum Credit Requirement	Credit Offered	
					B. Sc. (Honours) (OPTION 6)	B. Sc. (Honours with Research) (OPTION 7)
1.	Discipline Specific Core/Discipline Specific Elective Courses	60	40+28 = 68	80	48+52=100	48+48=96
2.	Minor / GE	24	28	32	36	28
3.	Interdisciplinary Courses	09	09	09	09	09
4.	Ability Enhancement Courses (Language)	08	08	08	08	08
5.	Skill Enhancement Courses	09	09	09	09	09
6.	Common Value added courses	06-08	08	06-08	08	08
7.	Internship	2-4	4	2-4	4	04
8.	Research Project and Dissertation	-	-	12	-	12
9.	Research Methodology	-	-	-	4	4
10.	Total Credits	120	134	160	178	178

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Tentative program structure for 4 Year B. Sc. Chemistry

YEAR I								
YEAR	SEMESTER	DISCIPLINE SPECIFIC COURSES DSC, DSE	GENERAL ELECTIVE (MINOR) GE	INTERDISCIPLINARY COURSES IDC	ABILITY ENHANCEMENT COURSES (LANGUAGE) AEC	SKILL ENHANCEMENT COURSES/ INTERNSHIP/ DISSERTATION SEC	COMMON VALUE ADDED COURSES VAC	TOTAL CREDITS
1 st Year	I	INTRODUCTION TO ORGANIC CHEMISTRY I (4) INTRODUCTION TO PHYSICAL CHEMISTRY I (4)	ALGEBRA (4) or MECHANICS (4) or INTRODUCTION TO COMPUTER (4) or GENERAL BIOCHEMISTRY I (4)	<u>for ISS:</u> POSITIVE PSYCHOLOGY (3) <u>for non-science background students:</u> CHEMISTRY IN DAILY LIFE (3) or HISTORY OF PHYSICS (3) or MATHEMATICS IN DAILY LIFE (3)	-	SOFT SKILLS (3)	YOGA (4) or ENVIRONMENTAL STUDIES (4)	22
	II	INTRODUCTION TO INORGANIC CHEMISTRY I (4) INTRODUCTION TO PHYSICAL CHEMISTRY II (4)	INTRODUCTION TO HEAT AND THERMODYNAMICS (4) or DIFFERENTIAL CALCULUS (4) or INTRODUCTION TO C PROGRAMMING (4) or GENERAL BIOCHEMISTRY II (4)	-	ENGLISH LANGUAGE SKILLS I (3)	FOOD AND NUTRITION (3)	ENVIRONMENTAL STUDIES (4) or YOGA (4)	22
1 st Year		16	08	03	03	06	08	44
SUMMER INTERNSHIP I (2/4)								
EXIT OPTION 1: UG certificate after 44 credit with 4 credit SIP including 6 credit from skill based courses: TOTAL 48 CREDITS								

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YEAR 2								
YEAR	SEMESTER	DISCIPLINE SPECIFIC COURSES DSC, DSE	GENERAL ELECTIVE (MINOR) GE	INTERDISCIPLINARY COURSES IDC	ABILITY ENHANCEMENT COURSES (LANGUAGE) AEC	SKILL ENHANCEMENT COURSES/ INTERNSHIP/ DISSERTATION SEC	COMMON VALUE ADDED COURSES VAC	TOTAL CREDITS
2 nd Year	III	INTRODUCTION TO INORGANIC CHEMISTRY II (4) INTRODUCTION TO ORGANIC CHEMISTRY II (DSE1) (4)	BASICS OF ELECTROMAGNETISM (4) or VECTOR CALCULUS (4) or OBJECT ORIENTED PYTHON PROGRAMMING (4) or GENERAL BIOCHEMISTRY III (4)	for ISS: EDUCATIONAL PSYCHOLOGY (3) for non-science background students: CHEMISTRY FOR ENTREPRENEURS (3) or FUNDAMENTALS OF NANOSCIENCE (3) or VEDIC MATHEMATICS or PHYSICS AROUND US (3)	ENGLISH LANGUAGE SKILLS II (3)	REASONING AND APTITUDE (3)	-	21
	IV	PHASE EQUILIBRIA AND CHEMICAL CELLS (4) HETEROCYCLIC CHEMISTRY (DSE2) (4) ANALYTICAL CHEMISTRY (DSE3) (4)	INTRODUCTION TO MODERN PHYSICS (4) or INTEGRAL CALCULUS (4) or DATA SCIENCE FOUNDATION (4) or GENERAL BIOCHEMISTRY IV (4)	for ISS: PRINCIPLES OF MANAGEMENT (3) for non-science background students: PETROCHEMICAL SCIENCE (3) or BASIC CHEMISTRY (3) or ELEMENTARY ASTROPHYSICS (3) or APPLICATION OF MATHEMATICS (3)	MODERN INDIAN LANGUAGE I (SWAYAM/O NLINE) (2)	-	-	21
2 nd Year		20	08	06	05	03	00	42
Up to 2 nd Year		36	16	09	08	09	08	86+4=90
SUMMER INTERNSHIP II (2)								
EXIT OPTION 2: UG Diploma after securing 86 credits in addition to 4 credit in SIP offered during 1 st year or 2 nd year summer terms: TOTAL 90 CREDITS								

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YEAR 3								
YEAR	SEMESTER	DISCIPLINE SPECIFIC COURSES DSC, DSE	GENERAL ELECTIVE (MINOR) GE	INTERDISCIPLINARY COURSES IDC	ABILITY ENHANCEMENT COURSES (LANGUAGE) AEC	SKILL ENHANCEMENT COURSES/ INTERNSHIP/ DISSERTATION SEC	COMMON VALUE ADDED COURSES VAC	TOTAL CREDITS
3 rd Year	V	INTRODUCTION TO COORDINATION CHEMISTRY (4) ORGANIC SPECTROSCOPY (4) INTRODUCTION TO CHEMICAL KINETICS AND CONDUCTANCE (DSE4) (4) QUANTUM CHEMISTRY (DSE5) (4)	LINEAR PROGRAMMING PROBLEM (4) or ELECTRONICS & SEMICONDUCTOR PHYSICS (4) or APPLICATION OF COMPUTER IN SCIENCE (4) [Lab Based] or GENERAL BIOCHEMISTRY V (4)	-	-	-	-	20
	VI	INTRODUCTION TO ORGANOMETALLIC CHEMISTRY (4) CHEMISTRY OF BIOMOLECULES (4) COMPUTATIONAL CHEMISTRY (DSE6) (4) ADVANCED PHYSICAL CHEMISTRY (DSE7) (4)	PROBABILITY AND STATISTICS (4) DIFFERENTIAL CALCULUS (4) or CONDENSED MATTER PHYSICS (4) BASICS OF THEORETICAL PHYSICS (4) or INTRODUCTION TO ML AND DL (4) INTRODUCTION TO UNIX & SHELL SCRIPTING (4) or GENERAL BIOCHEMISTRY VI (4) GENERAL BIOCHEMISTRY VII (4)	-	-	-	-	24
3 rd Year		32	12	00	00	00	00	44
Up to 3 rd Year		68	28	09	08	09	08	130+4=134
EXIT OPTION 3: B. Sc. in Chemistry Major upon securing 130+4 credits SIP = 134 credits or EXIT OPTION 4: B. Sc. in Chemistry Major & Minor in another discipline upon securing 130+4 credits SIP = 134 credits								


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YEAR 4 B.Sc. Chemistry Hons.								
YEAR	SEMESTER	DISCIPLINE SPECIFIC COURSES DSC, DSE	GENERAL ELECTIVE (MINOR) GE	INTERDISCIPLINARY COURSES IDC	ABILITY ENHANCEMENT COURSES (LANGUAGE) AEC	SKILL ENHANCEMENT COURSES/ INTERNSHIP/ DISSERTATION SEC	COMMON VALUE ADDED COURSES VAC	TOTAL CREDITS
4 th Year	VII	ADVANCED INORGANIC CHEMISTRY (4) RESEARCH METHODOLOGY (4) ADVANCED ORGANIC CHEMISTRY (DSE8) (4) POLYMER CHEMISTRY (DSE9) (4) FUEL CHEMISTRY AND BATTERIES (DSE10) (4) GREEN CHEMISTRY (DSE11) (4)	-	-	-	-	-	24
	VIII	ADVANCED MOLECULAR SPECTROSCOPY (4) ANALYTICAL CLINICAL BIOCHEMISTRY (DSE12) (4) INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS (DSE13) (4) ADVANCED BIOINORGANIC CHEMISTRY (DSE14) (4) INDUSTRIAL CHEMICALS AND ENVIRONMENT (DSE15) (4)	-	-	-	-	-	20
4 th Year		44	00	00	00	00	00	44
Up to 4 th Year		68+44 = 112	28	09	08	09	08	174+4=178
EXIT OPTION 5: B. Sc. Honours in Chemistry upon securing 174+4 credits SIP = 178 credits								

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YEAR 4
B.Sc. Chemistry Hons. (with Minor in a specific same subject)

YEAR	SEMESTER	DISCIPLINE SPECIFIC COURSES DSC, DSE	GENERAL ELECTIVE (MINOR) GE	INTERDISCIPLINARY COURSES IDC	ABILITY ENHANCEMENT COURSES (LANGUAGE) AEC	SKILL ENHANCEMENT COURSES/ INTERNSHIP/ DISSERTATION SEC	COMMON VALUE ADDED COURSES VAC	TOTAL CREDITS
4 th Year	VII	ADVANCED INORGANIC CHEMISTRY (4) RESEARCH METHODOLOGY (4) ADVANCED ORGANIC CHEMISTRY (DSE8) (4) POLYMER CHEMISTRY (DSE9) (4) FUEL CHEMISTRY AND BATTERIES (DSE10) (4)	BASICS OF EXPERIMENTAL PHYSICS (4) or ANALYSIS (4) or ADVANCED COMPUTATION I (4)	-	-	-	-	24
	VIII	ADVANCED MOLECULAR SPECTROSCOPY (4) ANALYTICAL CLINICAL BIOCHEMISTRY (DSE12) (4) ADVANCED BIOINORGANIC CHEMISTRY (DSE14) (4) INDUSTRIAL CHEMICALS AND ENVIRONMENT (DSE15) (4)	BASICS OF COMPUTATIONAL PHYSICS (4) or NUMERICAL ANALYSIS (4) or ADVANCED COMPUTATION II (4)	-	-	-	-	20
4 th Year		36	08	-	-	-	-	44
Up to 4 th Year		68+36 = 104	28+8=36	09	08	09	08	174+4=178

EXIT OPTION 6: B. Sc. Honours in Chemistry (with Minor in a specific same subject) upon securing 174+4 credits SIP = 178 credits

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YEAR 4 B.Sc. Chemistry Hons. with Research								
YEAR	SEMESTER	DISCIPLINE SPECIFIC COURSES DSC, DSE	GENERAL ELECTIVE (MINOR) GE	INTERDISCIPLINARY COURSES IDC	ABILITY ENHANCEMENT COURSES (LANGUAGE) AEC	SKILL ENHANCEMENT COURSES/ INTERNSHIP/ DISSERTATION SEC	COMMON VALUE ADDED COURSES VAC	TOTAL CREDITS
4 th Year	VII	ADVANCED INORGANIC CHEMISTRY (4) RESEARCH METHODOLOGY (4) ADVANCED ORGANIC CHEMISTRY (DSE8) (4) POLYMER CHEMISTRY (DSE9) (4) CHEMISTRY RESEARCH PROJECT I (4) GREEN CHEMISTRY (DSE11) (4)	-	-	-	-	-	24
	VIII	ADVANCED MOLECULAR SPECTROSCOPY (4) ANALYTICAL CLINICAL BIOCHEMISTRY (DSE12) (4) INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS (DSE13) (4) CHEMISTRY RESEARCH PROJECT II (8)	-	-	-	-	-	20
4 th Year		44	00	00	00	00	00	44
Up to 4 th Year		68+44 = 112	28	09	08	09	08	174+4=178
EXIT OPTION 7: B. Sc. Honours in Chemistry with Research upon securing 174+4 credits SIP = 178 credits								


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YEAR 4
B.Sc. Chemistry Hons. with Research (Minor in a specific same subject)

YEAR	SEMESTER	DISCIPLINE SPECIFIC COURSES DSC, DSE	GENERAL ELECTIVE (MINOR) GE	INTERDISCIPLINARY COURSES IDC	ABILITY ENHANCEMENT COURSES (LANGUAGE) AEC	SKILL ENHANCEMENT COURSES/ INTERNSHIP/ DISSERTATION SEC	COMMON VALUE ADDED COURSES VAC	TOTAL CREDITS
4 th Year	VII	ADVANCED INORGANIC CHEMISTRY (4) RESEARCH METHODOLOGY (4) ADVANCED ORGANIC CHEMISTRY (DSE8) (4) POLYMER CHEMISTRY (DSE9) (4) CHEMISTRY RESEARCH PROJECT I (4)	BASICS OF EXPERIMENTAL PHYSICS (4) or ANALYSIS (4) or ADVANCED COMPUTATION I (4)	-	-	-	-	24
	VIII	ADVANCED MOLECULAR SPECTROSCOPY (4) ANALYTICAL CLINICAL BIOCHEMISTRY (DSE12) (4) CHEMISTRY RESEARCH PROJECT II (8)	BASICS OF COMPUTATIONAL PHYSICS (4) or NUMERICAL ANALYSIS (4) or ADVANCED COMPUTATION II (4)	-	-	-	-	20
4 th Year		36	08	-	-	-	-	44
Up to 4 th Year		68+36 = 104	28+8=36	09	08	09	08	174+4=178

EXIT OPTION 8: B. Sc. Honours with Research in Chemistry (Minor in a specific same subject) upon securing 174+4 credits SIP = 178 credits

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**MULTIPLE ENTRY MULTIPLE EXIT SCHEME
MEME SCHEME**

ENTRY			EXIT			
YEAR	DEGREE	CRITERIA	YEAR	(OPTION) DEGREE	CRITERIA	
INTO 1ST YEAR	12TH PASS	SUBJECT: CHEMISTRY IN 12TH	AFTER 1ST YEAR	(OPTION 1) UG CERTIFICATE	48 CREDITS	
					4 DSC = 16 2 GE = 8 1 SIP = 4	1 IDC = 3 1 AEC = 3 2 SEC = 6 2 VAC = 8
INTO 2ND YEAR	1-YEAR UG CERTIFIC ATE	SUBJECT: CHEMISTRY IN CERTIFICAT E	AFTER 2ND YEAR	(OPTION 2) UG DIPLOMA	90 CREDITS	
					6 DSC = 24 3 DSE = 12 4 GE = 16 2 SIP = 4	3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8
INTO 3RD YEAR	UG DIPLOMA	SUBJECT: CHEMISTRY IN DIPLOMA	AFTER 3RD YEAR	(OPTION 3) B. Sc. WITH MAJOR IN CHEMISTRY *50% Chemistry Different GE subjects	134 CREDITS	
					10 DSC = 40 7 DSE = 28 7 GE = 28 1 SIP = 4	3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8
				(OPTION 4) B. Sc. WITH MAJOR IN CHEMISTRY AND MINOR IN ANOTHER SUBJECT *50% Chemistry Same subject minor GE	134 CREDITS	
					10 DSC = 40 7 DSE = 28 7 GE = 28 1 SIP = 4	3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8
INTO 4TH YEAR	B. Sc.	SUBJECT: CHEMISTRY AS MAJOR	AFTER 4TH YEAR	(OPTION 5) B. Sc. WITH CHEMISTRY HONOURS *108 Credit Chemistry Different/ Same subject minor GE up to 3 rd year	178 CREDITS	
					12 DSC = 48 15 DSE = 60 Research Methodology = 4 7 GE = 28 1 SIP = 4	3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8
			AFTER 4TH YEAR	(OPTION 6) B. Sc. WITH CHEMISTRY HONOURS AND MINOR (IN ANOTHER SUBJECT) *100 Credit Chemistry Same subject minor GE up to 4 th year	178 CREDITS	
					12 DSC = 48 13 DSE = 52 Research Methodology = 4 9 GE = 36 1 SIP = 4	3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8

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				<p>(OPTION 7)</p> <p>B. Sc. CHEMISTRY HONOURS WITH RESEARCH</p> <p>*108 Credit Chemistry **75% CGPA required up to 3rd year to take Research Projects (4+8 = 12 Credits) in 4th year ***Different/ Same subject minor GE up to 3rd year</p>	<p>178 CREDITS</p> <p>12 DSC = 48 12 DSE = 48 Research = 12</p> <p>Research Methodology = 4</p> <p>7 GE = 28 1 SIP = 4</p>	<p>3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8</p>
				<p>(OPTION 8)</p> <p>B. Sc. CHEMISTRY HONOURS WITH RESEARCH AND MINOR (IN ANOTHER SUBJECT)</p> <p>* 100 Credit Chemistry *75% CGPA required up to 3rd year to take Research Projects (4+8 = 12 Credits) in 4th year ***Same subject minor GE up to 4th year</p>	<p>178 CREDITS</p> <p>12 DSC = 48 10 DSE = 40 Research = 12</p> <p>Research Methodology = 4</p> <p>9 GE = 36 1 SIP = 4</p>	<p>3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8</p>

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NEP 2020 STRUCTURE

Semester	Major		Minor (4)	Inter-disciplinary Courses (3)	Ability Enhancement Courses (AEC)	Skill Enhancement Courses (SEC) (3)	Value Added Courses (VAC) (4)	Total Credit
	Discipline Specific Core (4)	Discipline Specific Elective (4)						
I	DSC 1		GE 1	IDC 1		SEC 1	VAC 1	22
	DSC 2							
II	DSC 3		GE 2		AEC 1 (3)	SEC 2	VAC 2	22
	DSC 4							
Summer Internship I (4) for students exiting with Certificate (2) for Others								
III	DSC 5	DSE 1	GE 3	IDC 2	AEC 2 (3)	SEC 3		21
IV	DSC 6	DSE 2	GE 4	IDC 3	AEC 3 (2)			21
		DSE 3						
Summer Internship II (2)								
V	DSC 7	DSE 4	GE 5					20
	DSC 8	DSE 5						
VI	DSC 9	DSE 6	GE 6					24
	DSC 10	DSE 7		GE 7				
CREDIT CHECK (OPT 3/4)	Major (68), more than 50% of (134)	GE 28, more than 20% of (134), required to offer minor degree		9 (meeting requirement)	8 (meeting requirement)	9 (meeting requirement)	8 (meeting requirement)	130+4
VII	DSC 11	DSE 8	GE 8 OR DSE 11					24
		DSE 9						
	Research Methodology							
	Project OR DSE 10							
VIII	DSC 12	DSE 12	GE 9 OR DSE 13					20
	Project OR (DSE 14 + DSE 15)							
CREDIT CHECK (OPT 6/8)	Honours (100), more than 50% of (178)	GE (36), more than 20% of 178, required to offer minor degree		9 (meeting requirement)	8 (meeting requirement)	9 (meeting requirement)	8 (meeting requirement)	174+4


Registrar,
ICFAI University Tripura
Kamalghat, Tripura (West).


 18.7.23


 10/7/23



The ICFAI University, Tripura

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This is to inform you that Nine Elective courses are there for the Academic year 2023-24 which has been opted by the students as elective course for their course curriculum. All the courses are offered by other departments of our university. So the BOS minutes for this new elective courses will not cover by our Chemistry department.

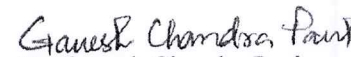
List of the New Elective Courses for B.Sc. Chemistry 1st year SEM I are:

Course Name	Course Code	Year of introduction
INTRODUCTION TO COMPUTER	CA104	2023
MECHANICS	PHY103	2023
ALGEBRA	MAT101	2023
POSITIVE PSYCHOLOGY	PSY105	2023
SOFT SKILLS	SSU354	2023

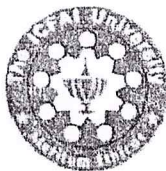
List of the New Elective Courses for B.Sc. Chemistry 1st year SEM II are:

Course Name	Course Code	Year of introduction
INTRODUCTION TO C PROGRAMMING	CS109	2023
DIFFERENTIAL EQUATIONS	MAT120	2023
ENGLISH LANGUAGE SKILLS I	ENG101	2023
INTRODUCTION TO PERSONAL TAX MANAGEMENT	MGT124	2023


Registrar,
ICFAI University Tripura
Kamalghat, Tripura (West).


Dr. Ganesh Chandra Paul
Assistant Professor & HOD
Department of Chemistry
ICFAI University Tripura

HEAD
Department of Chemistry
ICFAI Science School
The ICFAI University, Tripura.



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Ref: IUT/FST/PHY/AY23-24

Dated: 21/12/2023

Agenda of the 11th Meeting of Board of Studies, Department of Physics, Faculty of Science and Technology, The ICFAI University Tripura

Introduction:

11th meeting of Board of Studies of Department of Physics, Faculty of Science and Technology, ICFAI University, Tripura was held on 21st December 2023 at 10 A.M. Dr. Priyangshu Rana Borthakur, Dean, Faculty of Science and Technology, ICFAI University Tripura was the chairperson of the meeting.

Following members were present at the meeting:

1. **Dr. Priyangshu Rana Borthakur**, Chairperson
2. **Dr. Sovan Ghosh**, Member Secretary
3. **Dr. Camelia Das**, Member
4. **Dr. Ganesh Adhikary**, Member
5. **Dr. Tuhin Subhra Mukherjee**, Member
6. **Dr. Asit Kar**, External Member

Absentee:

Dr. Jayanta Kumar Sarma

Agenda:

Item No.	Particulars
1	Consideration of Action Taken Report for approval of the previously held meeting on 4th August, 2023 # The action taken report of last BOS meeting held on 4th August, 2023 was discussed after the approval from Academic council on 15th September, 2023.
2	Agenda: Following 10th Board of Studies and 32nd ACM, NEP 2020 is implemented and presently department is NEP structure is introduced since 2023-24 academic year. Requirement of some changes to the previous approval are noticed. They are now placed in front of board.

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Ganesh Adhikary
21/12/23


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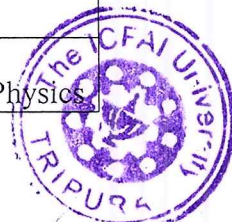


	# Changed titles of courses, split or unification of courses are presented in the Annexure II.
3	<p>Agenda: Introduction of New Courses for B.Sc Physics and B.Sc Physics (Hons.). #Following courses are introduced as new courses.</p> <p>THERMAL PHYSICS (Sem-II) #Thermal Physics I (approved in 10th BoS) course is renamed to reduce the probability of repeating the title. This course provides knowledge of Heat & radiation. Members of the board accepted the proposal.</p> <p>THERMODYNAMICS (Sem-III) # Thermal Physics II (approved in 10th BoS) is renamed to reflect the content of the course specifically. This course is dedicated to Thermodynamic system, surroundings, corresponding laws and applications. Members accepted the same.</p> <p>OSCILLATIONS AND WAVE MOTIONS (Sem-III) # Following the suggestion by Prof. Asit Kar, the course is split into theory and laboratory sections. Then for this course there will be in L-T-P-U: 3-1-2-4. Previously approved course was 'Waves and Oscillations'. Due to changes in syllabus and insertion of laboratory component, the course title is changed to 'Oscillations and Wave Motions'.</p> <p>OPTICS (Sem-IV) # Optics I (approved in 10th BoS) is renamed as Optics. Keeping an eye on JAM, Physical Optics and Geometrical Optics are blended in this course. Members accepted the same.</p> <p>QUANTUM MECHANICS I (Sem-IV) #Introducing the basics of quantum mechanics. Members of the board accepted the proposal.</p> <p>QUANTUM MECHANICS II (Sem-V) # Mainly intermediate portion like three dimensional approach, potential well and identical particles are kept as contents of this course. Members of the board.</p> <p>SOLID STATE PHYSICS I (Sem- VI) # Crystal defects to be incorporated as per Prof. Asit Kar's suggestion.</p> <p>SOLID STATE PHYSICS II (Sem-VII) # Semi conductor, Dielectric, Magnetism, Super conductivity and Nanoscale Physics are the contents of this course. Members accepted the same.</p>
4	<p>Agenda: Introduction to specialization of M.Sc program # Department is going to introduce the specialization in the M.Sc Physics</p>


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 Gaurish
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Program. Following suggestions of Prof. Asit Kar and considering the possible elective courses could be offered depending on the faculty members' area of expertise it is decided that following specializations can be offered:

- a) Condensed Matter Physics
- b) Particle Physics
- c) Astrophysics & Cosmology
- d) Particle Physics and Astrophysics

Corresponding distribution of the courses for each specialization are displayed in Annexure-III.

The meeting was concluded with vote of thanks by Member Secretary.

Signature of the members present in the meeting:

Prof. (Dr.) Priyangshu Rana Borthakur

Dr. Sovan Ghosh

Dr. Camelia Das

Dr. Tuhin Subhra Mukherjee

Dr. Ganesh Adhikary

Dr. Asit Kar





Courses Approved in 10th BoS	Changes in 11th BoS
MATHEMATICAL PHYSICS I	No Change is there
MECHANICS AND GENERAL PROPERTIES OF MATTER	No Change is there
MATHEMATICAL PHYSICS II	No Change is there
THERMAL PHYSICS I	Title is changed: Thermal Physics I to Thermal Physics
ELECTRICITY AND MAGNETISM	Moved from Semester III to Semester IV, Change in unit structure: 3-1-0-4 to 3-0-2-4
WAVES AND OSCILLATION	Title is changed: Waves and Oscillation to Oscillations and Wave Motions
OPTICS I	Title is changed: Optics I to Optics Unit structure: 3-0-2-4
ELECTRONICS	Title is changed: Electronics to Fundamentals of Electronics, Moved from Semester IV to Semester V Unit structure: 3-0-2-4
ELECTRICAL CIRCUIT ANALYSIS	This course is removed
THERMAL PHYSICS II	Title is changed: Thermal Physics II to Thermodynamics, Moved from semester V to III
QUANTUM MECHANICS I	Moved from semester V to semester IV
MATHEMATICAL PHYSICS III	Instead of this course Mathematical Methods of Physics I is prescribed, Moved from semester V to semester VII
OPTICS II	Title is changed from Optics II to Laser Physics, Moved from semester V to semester VIII
ELECTRODYNAMICS	Title is changed from Electrodynamics to Electrodynamics & Relativity, Moved from semester VI to semester V
ATOMIC AND MOLECULAR PHYSICS	Title is changed from Atomic and Molecular Physics to Basics of Atomic and Nuclear Physics, Moved from semester VI to semester V
STATISTICAL MECHANICS	Moved from semester VI to semester VII
COMPUTATIONAL PHYSICS	No Change is there
SOLID STATE PHYSICS I	Moved from semester VII to semester VI; Unit Structure: 3-0-2-4
RESEARCH METHODOLOGY	No Change is there
QUANTUM MECHANICS II	Moved from semester VII to semester VI
ADVANCED CLASSICAL MECHANICS	Instead of this course Classical Mechanics is prescribed
EXPERIMENTAL TECHNIQUES OR PROJECT I	Experimental Techniques is moved from semester VII to semester VIII
PHOTONICS OR GE 8	Moved from semester VII to semester VIII
NUCLEAR PHYSICS	Instead of this course Nuclear and Particle Physics is prescribed
SOLID STATE PHYSICS II	Moved from semester VIII to semester VII; Unit structure: 3-0-2-4
QUANTUM MECHANICS III OR GE 9	Instead of this course Advanced Quantum Mechanics is prescribed

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PROJECT II OR (DSE 14 AND DSE 15)	No Change is there
ASTROPHYSICS	Title is changed from Astrophysics to Astrophysics for Beginners
PLASMA PHYSICS	This course is dropped from B.Sc



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Annexure -III

List of Proposed Specializations to be offered by Department of Physics

Serial No.	Title of Specializations
1	Condensed Matter Physics
2	Particle Physics
3	Astrophysics & Cosmology
4	Particle Physics and Astrophysics

*Course
Admission*

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Tom

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Annexure II

Course Structure presented in Board of Studies on 21.12.2023

Semester	Course Type	Course Code	Course Title	L	T	P	U
I	DSC	PHY112T	MATHEMATICAL PHYSICS I	3	1	0	4
	DSC	PHY105	MECHANICS AND GENERAL PROPERTIES OF MATTER	3	0	2	4
II	DSC	PHY123T	MATHEMATICAL PHYSICS II	3	1	0	4
	DSC	PHY131	THERMAL PHYSICS THERMODYNAMICS	3	0	2	4
III	DSC	PHY211T	OSCILLATIONS AND WAVE MOTIONS ELECTRICITY AND MAGNETISM	3	0	2	4
	DSC	PHY212T	OPTICS	3	1	0	4
IV	DSC		QUANTUM MECHANICS I ELECTRODYNAMICS & RELATIVITY	3	0	2	4
	DSC		FUNDAMENTALS OF ELECTRONICS BASICS OF ATOMIC AND NUCLEAR PHYSICS	3	1	0	4
V	DSC		QUANTUM MECHANICS II SOLID STATE PHYSICS I (4)	3	1	0	4
	DSC		COMPUTATIONAL PHYSICS (4) ASTROPHYSICS FOR BEGINNERS (4)	2	0	4	4
VI	DSE		ELECTRONICS AND APPLICATIONS (4) STATISTICAL MECHANICS (4)	3	1	0	4
	DSC	PHY612T	RESEARCH METHODOLOGY (4)	3	1	0	4
VII	DSC	PHY405	MATHEMATICAL METHODS OF PHYSICS I (4) SOLID STATE PHYSICS II (4)	3	1	0	4
	DSE		CLASSICAL MECHANICS (4)	3	1	0	4
	DSC	PHY401	ADVANCED QUANTUM MECHANICS (4)	4	0	0	4
	DSC			3	1	0	4



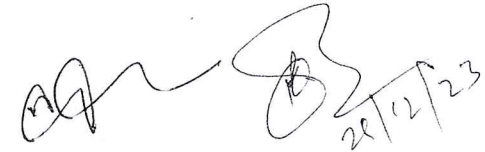
Handwritten signatures and initials, including 'Rao' and 'Aditya'.

Handwritten signature and date '21/12/23'.

VIII	DSC	PHY614T	NUCLEAR AND PARTICLE PHYSICS (4)	4	0	0	4
	DSC		EXPERIMENTAL TECHNIQUES (4)	4	0	0	4
	DSE	PHY514	PHOTONICS (4)	4	0	0	4
	DSE		LASER PHYSICS (4)	3	1	0	4
	DSE		ADVANCED COMPUTATIONAL PHYSICS (4)	2	0	4	4

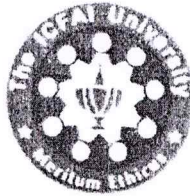


Geanesh
Adhikary



28/12/23





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Date:07/08/2023

Minutes of Meeting and Resolutions

Board of Studies, Department of Mathematics

Introduction:

A meeting of Board of Studies, Department of Mathematics, The ICFAI University, Tripura was held on the 7th August, 2023 at 05:00 P.M. Dr.Priyangshu Rana Borthakur, Dean, Faculty of Science & Technology, The ICFAI University, Tripura chaired the meeting.

Following members were present at the meeting:

1. Dr. Arnab Ghosh, Assistant Professor & HOD, Department of Mathematics, IUT, Member Secretary, BOS.
2. Dr. Prasenjit Bal, Assistant Professor, Department of Mathematics, IUT, Member, BOS.
3. Dr. Debjani Rakshit, Assistant Professor, Department of Mathematics, IUT, Member, BOS.
4. Prof. Binod Chandra Tripathy, Professor and Head of the Department, Department of Mathematics, Tripura University, External Member, BOS.
5. Prof. Shuvam Sen, Professor, Tezpur University, External Member, BOS.

Agenda:

The agenda deliberated were discussed and following resolutions were passed.

Item No.	Particulars
1	<p>Agenda: Consideration of Action Taken Report for approval of the previously held meeting on 13th January, 2023.</p> <p>The action taken report of last BOS meeting held on 13th January, 2023 was discussed after the approval from Academic council and Board of Governors.</p> <p>Resolutions:</p> <p>The Action Taken Report of the previously held meeting on 13th January, 2023 was approved by all the members. (Annexes to be enclosed).</p>
2	<p>Agenda: To discuss about the proposed B.Sc. (Mathematics) structure according to the NEP, 2020.</p> <p>Resolutions: A detailed discussion on the proposed B.Sc. (Mathematics) structure</p>

Arnob Ghosh
Prasenjit Bal
Debjani Rakshit
Binod Chandra Tripathy
Shuvam Sen

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Kamalghat, Tripura (West)

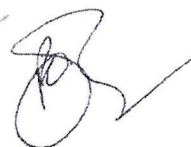
	according to the NEP, 2020, has been done in the meeting. Both the external members are overall satisfied with the structure and have suggested few possible modifications. (Annexes to be enclosed).
3	<p>Agenda: To replace Probability and Statistics as the core course in B.Sc. (Mathematics) structure.</p> <p>Resolutions: External member Prof. Binod Chandra Tripathy has suggested removing the Probability and Statistics course as the discipline specific core course and putting it as a discipline specific elective course. It has been decided that the department will discuss this issue further and will take necessary steps. (Annexes to be enclosed).</p>
4	<p>Agenda: To include a course on complex algebra as discipline specific core course.</p> <p>Resolutions: External member Prof. Binod Chandra Tripathy has suggested the inclusion of a course on complex algebra as the discipline specific core course. This will benefit the students before studying the course Metric Space and Complex Analysis. It has been decided that the department will take necessary steps according to the suggestion. (Annexes to be enclosed).</p>
5	<p>Agenda: To introduce Probability and Statistics as an Inter Disciplinary Course.</p> <p>Resolutions: As Probability and Statistics has significant importance on various other fields, so external member Prof. Binod Chandra Tripathy has suggested to include Probability and Statistics as the Inter Disciplinary Course. The department will take necessary steps according to the suggestion. (Annexes to be enclosed).</p>
6	<p>Agenda: To incorporate CO-PO mapping of each new courses with the syllabus.</p> <p>Resolutions: External member Prof. Shuvam Sen has emphasized on the importance of CO-PO mapping corresponding to each course. The detailed CO-PO structure has been prepared corresponding to each courses. (Annexes to be enclosed).</p>
7	<p>Agenda: To check the prerequisite of each courses.</p> <p>Resolutions: External member Prof. Shuvam Sen has suggested checking the prerequisite of each course. The department has already looked after the issue and has taken necessary steps. (Annexes to be enclosed).</p>
8	<p>Agenda: To include lattice in the Group Theory syllabus.</p> <p>Resolutions: Internal member Dr. Prasenjit Bal has suggested to include lattice in the Group Theory course. It has been decided that the department will discuss this issue further and will take necessary steps. (Annexes to be enclosed).</p>



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 Kamalghat, Tripura (West)







The Meeting was concluded with vote of thanks by the chair.

(Name and Signature of all Members)

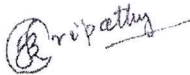
1. Dr. Prasenjit Bal



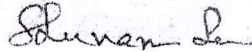
2. Dr. Debjani Rakshit

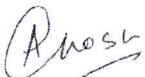


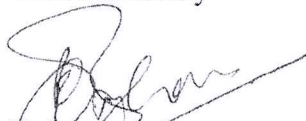
3. Prof. Binod Chandra Tripathy



4. Prof. Shuvam Sen




Member Secretary


Chairman


Registrar,
ICFAI University Tripura
Kamalghat, Tripura (West).

DEPARTMENT OF MATHEMATICS

ICFAI SCIENCE SCHOOL

FACULTY OF SCIENCE AND TECHNOLOGY

ICFAI UNIVERSITY TRIPURA

(2023-24)

SCHEME

&

SYLLABUS

under

**NATIONAL EDUCATION
POLICY (NEP 2020)**

B. Sc. Mathematics


Registrar,
ICFAI University Tripura
Kamalghat, Tripura (West).

DEPARTMENT OF MATHEMATICS

4-YEAR PROGRAMME STRUCTURE

B. Sc. (MATHEMATICS)

DSC: DEPARTMENT SPECIFIC CORE DSE: DEPARTMENT SPECIFIC ELECTIVE
 GE: GENERAL ELECTIVE IDC: INTERDISCIPLINARY COURSE

AEC: ABILITY ENHANCEMENT COURSE SEC: SKILL ENHANCEMENT COURSE
 VAC: VALUE ADDED COURSE

4 YEAR PROGRAMME STRUCTURE

		SEMESTER I					SEMESTER II						
SL	COURSE CODE	COURSE NAME	L	T	P	U	SL	COURSE CODE	COURSE NAME	L	T	P	U
YEAR 1	1	Classical Algebra	3	1	0	4	1		Analytic Geometry	3	0	1	4
	2	Analysis - I	3	1	0	4	2		Group Theory	3	0	1	4
	3	GE 1				4	3		GE 2				4
	4	IDC 1				3	4		AEC 1				3
	5	SEC 1				3	5		SEC 2				3
	6	VAC 1				4	6		VAC 2				4
TOTAL CREDIT			22			TOTAL CREDIT			22				
SUMMER	1	SUMMER INTERNSHIP PROGRAMME I										2 OR 4	
		SEMESTER III					SEMESTER IV						
SL	COURSE CODE	COURSE NAME	L	T	P	U	SL	COURSE CODE	COURSE NAME	L	T	P	U
YEAR 2	1	Ordinary Differential Equation	3	1	0	4	1		Linear Algebra	3	1	0	4
	2	DSE 1				4	2		DSE 2	3	1	0	4
	3	GE 3				4	3		DSE 3	3	1	0	4
	4	IDC 2				3	4		GE 4				4


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SEMESTER-WISE CREDIT DISTRIBUTION

PART	CREDIT
SEMESTER I	22
SEMESTER II	22
SUMMER INTERNSHIP PROGRAMME I	2 OR 4
SEMESTER III	21
SEMESTER IV	21
SUMMER INTERNSHIP PROGRAMME II (OPTIONAL WITH SIP I)	2
SEMESTER V	20
SEMESTER VI	24
SEMESTER VII	24
SEMESTER VIII	20
TOTAL	178


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**MULTIPLE ENTRY MULTIPLE EXIT SCHEME
MEME SCHEME**

ENTRY			EXIT		
YEAR	DEGREE	CRITERIA	YEAR	(OPTION) DEGREE	CRITERIA
INTO 1ST YEAR	12TH PASS	SUBJECT: Mathematics IN 12TH	AFTER 1ST YEAR	(OPTION 1) UG CERTIFICATE	48 CREDITS
					4 DSC = 16 2 GE = 8 1 SIP = 4
INTO 2ND YEAR	1-YEAR CERTIFIC ATE	SUBJECT: Mathematics IN CERTIFICAT E	AFTER 2ND YEAR	(OPTION 2) UG DIPLOMA	90 CREDITS
					6 DSC = 24 3 DSE = 12 4 GE = 16 2 SIP = 4
INTO 3RD YEAR	DIPLOMA	SUBJECT: Mathematics IN DIPLOMA	AFTER 3RD YEAR	(OPTION 3) B. Sc. WITH MAJOR IN Mathematics *50% Mathematics Different GE subjects	134 CREDITS
					10 DSC = 40 7 DSE = 28 7 GE = 28 1 SIP = 4
				(OPTION 4) B. Sc. WITH MAJOR IN Mathematics AND MINOR IN ANOTHER SUBJECT *50% Mathematics Same subject minor GE	134 CREDITS
					10 DSC = 40 7 DSE = 28 7 GE = 28 1 SIP = 4
INTO 4TH YEAR	B. Sc.	SUBJECT: Mathematics AS MAJOR	AFTER 4TH YEAR	(OPTION 5) B. Sc. WITH Mathematics HONOURS *108 Credit Mathematics Different/ Same subject minor GE up to 3 rd year	178 CREDITS
					12 DSC = 48 15 DSE = 60 Research Methodology = 4 7 GE = 28 1 SIP = 4
				(OPTION 6) B. Sc. WITH Mathematics HONOURS AND MINOR (IN ANOTHER SUBJECT) *100 Credit Mathematics Same subject minor GE up to 4 th year	172 CREDITS
					12 DSC = 48 13 DSE = 52 Research Methodology = 4 9 GE = 36 1 SIP = 4


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				(OPTION 7) B. Sc. Mathematics HONOURS WITH RESEARCH *108 Credit Mathematics **75% CGPA required up to 3rd year to take Research Projects (4+8 = 12 Credits) in 4th year ***Different/ Same subject minor GE up to 3 rd year	178 CREDITS	
					12 DSC = 48 12 DSE = 48 Research = 12 Research Methodology = 4 7 GE = 28 1 SIP = 4	3 IDC = 9 3 AEC = 8 3 SEC = 9 2 VAC = 8
				(OPTION 8) B. Sc. Mathematics HONOURS WITH RESEARCH * 100 Credit Mathematics *75% CGPA required up to 3rd year to take Research Projects (4+8 = 12 Credits) in 4th year ***Same subject minor GE up to 4 th year	178 CREDITS	
					12 DSC = 48 10 DSE = 40 Research = 12 Research Methodology = 4 9 GE = 36 1 SIP = 4	3 IDC = 9 3 AEC = 8 3 SEC = 9 4 VAC = 8


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 ICFAI University Tripura
 Kamalghat, Tripura (West).

DISCIPLINE SPECIFIC CORE COURSES (DSC)

COURSES OFFERED BY THE DEPARTMENT OF MATHEMATICS

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	DSC 1		Classical Algebra	3	1	0	4
2	I	DSC 2		Real Analysis	3	1	0	4
3	II	DSC 3		Analytic Geometry	3	1	0	4
4	II	DSC 4		Group Theory	3	1	0	4
5	III	DSC 5		Ordinary Differential Equation	3	1	0	4
6	IV	DSC 6		Linear Algebra	3	1	0	4
7	V	DSC 7		Analysis - II/	3	1	0	4
8	V	DSC 8		Mathematical Probability	3	1	0	4
9	VI	DSC 9		Metric Space and Complex Analysis	3	0	2	4
10	VI	DSC 10		Ring Theory	4	0	0	4
11	VII	DSC 11		Numerical Analysis	3	0	2	4
12	VIII	DSC 12		Vector Calculus	3	1	0	4
13		SIP 1		SUMMER INTERNSHIP PROJECT I				4/
14		SIP 2		SUMMER INTERNSHIP PROJECT II				2
15	VII			RESEARCH METHODOLOGY				2
16	VII	Project		RESEARCH PROJECT I	4	0	0	4
17	VIII	Project		RESEARCH PROJECT II				4
								8


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DISCIPLINE SPECIFIC ELECTIVE COURSES (DSE)
COURSES OFFERED BY THE DEPARTMENT OF MATHEMATICS

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	III	DSE 1		Integral Calculus	3	1	0	4
2	III			Algebra of Complex Numbers				
3	IV	DSE 2/DSE 3		Statics and Dynamics of a Particle	3	1	0	4
				Introduction to Multiset Theory	3	1	0	4
4	IV			Vector Algebra	3	1	0	4
5	V	DSE4/DS E5		Multivariable Calculus	3	1	0	4
6	V			Linear Programming Problem	3	1	0	4
7	V			Tensor Calculus	3	1	0	4
9	VI	DSE 6/DSE 7		Partial Differential Equations	3	1	0	4
10	VI			Programing Language I	3	1	0	4
11	VI			Programing Language II	3	0	2	4
12	VI			Introduction to Number Theory	3	0	2	4
13	VII	DSE 8/DSE 9/DSE10/ DSE 11		Laplace Transformation	3	1	0	4
14	VII			Fuzzy Set Theory	3	1	0	4
15	VII			Introduction to Topology	3	1	0	4
16	VII			Numerical Linear Algebra	3	1	0	4
17	VII			Basic Operator Theory	3	1	0	4
21	VIII	DSE 12/DSE13/ DSE14/DS E15		Discrete Mathematics	3	1	0	4
22	VIII			Mathematical Modeling	3	1	0	4
23	VIII			Integral Transformation	3	1	0	4
24	VIII			Classical Mechanics	3	1	0	4
25	VIII			Numerical Methods	3	1	0	4
27	VIII			Introduction to Neutrosophic Set Theory	3	1	0	4
					3	1	0	4


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GENERAL ELECTIVES (GE)

COURSES OFFERED BY THE DEPARTMENT OF MATHEMATICS

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1		Algebra				
2	II	GE 2		Differential Equations	3	1	0	4
3	III	GE 3		Vector Calculus	3	1	0	4
4	IV	GE 4		Integral Calculus	3	1	0	4
5	V	GE 5		Linear Programming Problem	3	1	0	4
6	VI	GE 6		Probability and Statistics	3	1	0	4
7	VI	GE 7		Differential Calculus	3	1	0	4
8	VII	GE 8		Analysis	3	1	0	4
9	VIII	GE 9		Numerical Analysis	3	1	0	4

COURSES OFFERED BY OTHER DEPARTMENTS

1	I-VI	GE		NCC					24
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CHEMISTRY: GENERAL ELECTIVES (GE)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1		INTRODUCTION TO GENERAL CHEMISTRY I	4	0	0	4
2	II	GE 2		INTRODUCTION TO GENERAL CHEMISTRY II	4	0	0	4
3	III	GE 3		INTRODUCTION TO GENERAL CHEMISTRY III	4	0	0	4
4	IV	GE 4		INTRODUCTION TO GENERAL CHEMISTRY IV	4	0	0	4
5	V	GE 5		GENERAL CHEMISTRY PRACTICAL	4	0	0	4
6	VI	GE 6		INDUSTRIAL CHEMISTRY	0	0	6	4
7	VI	GE 7		COSMETIC CHEMISTRY	4	0	0	4
8	VII	GE 8		PESTICIDE CHEMISTRY	4	0	0	4
9	VIII	GE 9		PHARMACEUTICAL CHEMISTRY	4	0	0	4

BIOCHEMISTRY: GENERAL ELECTIVES (GE)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1		GENERAL BIOCHEMISTRY I	4	0	0	4
2	II	GE 2		GENERAL BIOCHEMISTRY II	4	0	0	4
3	III	GE 3		GENERAL BIOCHEMISTRY III	4	0	0	4
4	IV	GE 4		GENERAL BIOCHEMISTRY IV	4	0	0	4
5	V	GE 5		GENERAL BIOCHEMISTRY V	4	0	0	4


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6	VI	GE 6		GENERAL BIOCHEMISTRY VI	4	0	0	4
7	VI	GE 7		GENERAL BIOCHEMISTRY VII	0	0	6	4

PHYSICS: GENERAL ELECTIVE (GE) COURSES

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1		MECHANICS	3	0	2	4
2	II	GE 2		INTRODUCTION TO HEAT AND THERMODYNAMICS	3	0	2	4
3	III	GE 3		BASICS OF ELECTROMAGNETISM	4	0	0	4
4	IV	GE 4		INTRODUCTION TO MODERN PHYSICS	4	0	0	4
5	V	GE 5		ELECTRONICS & SEMICONDUCTOR PHYSICS	3	0	2	4
6	VI	GE 6		CONDENSED MATTER PHYSICS	4	0	0	4
7	VI	GE 7		BASICS OF THEORETICAL PHYSICS	3	1	0	4
8	VII	GE 8		BASICS OF EXPERIMENTAL PHYSICS	4	0	0	4
9	VIII	GE 9		BASICS OF COMPUTATIONAL PHYSICS	3	0	2	4

PHYSICS: COMPUTER GENERAL ELECTIVES (GE)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	GE 1		INTRODUCTION TO COMPUTER	2	0	4	4
2	II	GE 2		INTRODUCTION TO C PROGRAMMING	2	0	4	4
3	III	GE 3		OBJECT ORIENTED PYTHON PROGRAMMING	2	0	4	4
4	IV	GE 4		DATA SCIENCE FOUNDATION	2	0	4	4
5	V	GE 5		APPLICATION OF COMPUTER IN SCIENCE	1	0	6	4
6	VI	GE 6		INTRODUCTION TO ML AND DL	2	0	4	4
7	VI	GE 7		INTRODUCTION TO UNIX & SHELL SCRIPTING	2	0	4	4
8	VII	GE 8		ADVANCED COMPUTATION I	2	0	4	4
9	VIII	GE 9		ADVANCED COMPUTATION II	2	0	4	4


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COURSES OFFERED BY THE DEPARTMENT OF MATHEMATICS

INTERDISCIPLINARY COURSES (IDC)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
2	I	IDC 1		MATHEMATICS IN DAILY LIFE	3	0	0	3
5	III	IDC 2		VEDIC MATHEMATICS	3	0	0	3
9	IV	IDC 3		APPLICATION OF MATHEMATICS	3	0	0	3

COURSES OFFERED BY OTHER DEPARTMENTS

INTERDISCIPLINARY COURSES (IDC)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	IDC 1		HISTORY OF PHYSICS	3	0	0	3
2	I	IDC 1		CHEMISTRY IN DAILY LIFE	3	0	0	3
3	I	IDC 1		POSITIVE PSYCHOLOGY	3	0	0	3
4	III	IDC 2		PHYSICS AROUND US	3	0	0	3
5	III	IDC 1		FUNDAMENTALS OF NANOSCIENCE	3	0	0	3
6	III	IDC 2		CHEMISTRY FOR ENTREPRENEURS	3	0	0	3
7	III	IDC 2		EDUCATIONAL PSYCHOLOGY	3	0	0	3
8	IV	IDC 3		PRINCIPLES OF MANAGEMENT	3	0	0	3
9	IV	IDC 3		ELEMENTARY ASTROPHYSICS	3	0	0	3
10	IV	IDC 3		PETROCHEMICAL SCIENCE	3	0	0	3
11	IV	IDC 3		BASIC CHEMISTRY	3	0	0	3

COURSES OFFERED BY OTHER DEPARTMENTS

ABILITY ENHANCEMENT COURSES (AEC)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	II	AEC 1		ENGLISH LANGUAGE SKILLS I	3	0	0	3
2	III	AEC 2		ENGLISH LANGUAGE SKILLS II	3	0	0	3
3	IV	AEC 3		MODERN INDIAN LANGUAGE I (SWAYAM/MOOC)	2	0	0	2

COURSES OFFERED BY DEPARTMENT of MATHEMATICS

SKILL ENHANCEMENT COURSES (SEC)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	III	SEC 3		REASONING AND APTITUDE	3	0	0	3


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COURSES OFFERED BY OTHER DEPARTMENTS

SKILL ENHANCEMENT COURSES (SEC)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I	SEC 1		SOFT SKILLS	3	0	0	3
2	II	SEC 2		FOOD AND NUTRITION	2	0	2	3

COURSES OFFERED BY OTHER DEPARTMENTS

VALUE ADDED COURSES (VAC)

SL	SEM	CATEGORY	CODE	NAME	L	T	P	U
1	I/II	VAC		YOGA				4
2	I/II	VAC		ENVIRONMENTAL STUDIES	4	0	0	4


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RefNo.- IUT/FST/Approval Note/2022-23/D- 891

Date: 10/07/2023

APPROVAL NOTE

The Department of Mathematics, ICFAI Science School, has prepared the 4-year B. Sc. Programme structure under the National Education Policy-2020 (NEP2020) which will be offered in the upcoming academic year 2023-24 with Multiple-Entry-Multiple-Exit scheme (MEME). This will enable the students to enter and exit at multiple levels of their choice. The Department of Mathematics hereby presents the proposed program structure along with MEME Scheme, offered course list.

We recommend and request you to give approval for the above.

Arnab Ghosh

Dr. Arnab Ghosh
HOD, Department of Mathematics, ISS, FST
The ICFAI University Tripura

Priyanshu Rana Borthakur
19/7/23

Prof. Dr. Priyanshu Rana Borthakur
Dean, FST
The ICFAI University Tripura

Subhasish Chatterjee
19/07/23

Prof. Dr. Subhasish Chatterjee
Dean, Academics affairs
The ICFAI University Tripura

A. Ranganath

Prof. Dr. A. Ranganath
Registrar,
The ICFAI University Tripura

Biplab Halder
19/7/23

Prof. Dr. Biplab Halder
Vice Chancellor,
The ICFAI University Tripura

Registrar,
ICFAI University Tripura
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VOLLEYBALL

The ICFAI UNIVERSITY OF TRIPURA

Faculty of physical Education and yoga

Syllabus for Master of Physical Education and sports

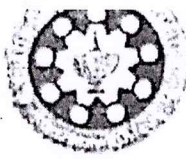
Volleyball Specialization

L - P - U
0 - 8 - 4

Semester -I

UNIT	PARTICULARS	REMARKS
1	UNIT - I INTRODUCTION A. Historical development of Volleyball at international and national level B. Modern trends and developments in volleyball C. Organization of FIVB and the confederation, constitution of VFI and state bodies	
2	UNIT-II RULES AND THEIR INTERPRETATIONS A. Latest rules, and their interpretations B. Duties and responsibilities of officials C. Mechanism of officiating and scoring	
3	UNIT-III PREPARATION AND TRAINING A. Prerequisites of preparation and training B. Theory of volleyball training process C. Principles of warming up and cooling down and their effects, General and specific warming up and cooling down (specific exercises for volleyball)	
4	UNIT- IV BASIC SKILLS AND TECHNIQUES (SERVICE, RECEIVEING AND PASSING) A. The serve – underhand, tennis, jump and serve, overhead float B. Receiving - Basic techniques C. Passing- Forearm passing, Overhead passing	


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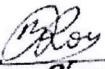


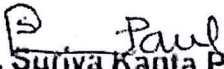
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Agenda for BOS Meeting of FoPE&Y on 28.12.2023 at 12 P.M.

Item No.	Particulars
1.	As per the previous BOS Meeting as on 04.08.2023: a. Syllabus of Certificate Course in Yoga (CCY) has been modified. b. 'Volleyball' Specialization (Course Code: PHE518P) for M.P.Ed. has been implemented from current session. c. 'Martial Art' Specialization (Course Code: PHE519P) for M.P.Ed could not implemented due to some unavoidable circumstances.
2.	Agenda: Implementation of a New Course - Fitness and Weight Training (PHE320P) for B.P.E.S. 3 rd Year, 2 nd Sem.
3.	Agenda: Implementation of Internship Program for B.P.E.S, B.P.Ed, M.P.E.S. & P.G.D.Y program as value added course for 2 months in Summer Term.
4.	Agenda: Miscellaneous


Dr. Mithun Chandra Roy
Coordinator, FOPE & Y
ICFAI University, Tripura.


Dr. Surjya Kanta Paul
Principal, FOPE&Y
The ICFAI University, Tripura


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Agenda:

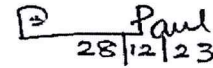
The agenda deliberated were discussed and following resolutions were passed:

Sl. No.	Particulars						
1.	As per the previous BOS Meeting as on 04.08.2023: a. Syllabus of Certificate Course in Yoga (CCY) has been modified as per their proposal. b. 'Volleyball' Specialization (Course Code: PHE518P) for M.P.Ed. has been implemented from current session. c. 'Martial Art' Specialization (Course Code: PHE519P) for M.P.Ed could not implemented due to some unavoidable circumstances.						
2.	Agenda: Implementation of a New Course - Fitness and Weight Training (PHE320P) for B.P.E.S. 3rd Year, 2nd Sem. <table border="1"><thead><tr><th>L</th><th>P</th><th>U</th></tr></thead><tbody><tr><td>0</td><td>8</td><td>4</td></tr></tbody></table> Syllabus attached. Resolution: Members of BOS gave nod of approval in this regard.	L	P	U	0	8	4
L	P	U					
0	8	4					
3.	Agenda: Implementation of Internship Program for final year B.P.E.S, B.P.Ed, M.P.E.S. & P.G.D.Y program as value added course for 2 months in Summer Term. Resolution: Members of BOS gave nod of approval in this regard.						

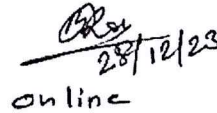
The meeting was concluded with the vote of thanks by the chair:

(Name and Signature of all members)

1. Prof. (Dr.) Surjya Kanta Paul, Chairman BOS


28/12/23

2. Dr. Mithun Chandra Roy, Member Secretary


28/12/23
on line

3. Dr. Susanta Sarkar, External Member

on line

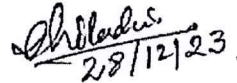
4. Dr. Ashoke Biswas, External Member

on line

5. Dr. Debdulal Baidya, External Member

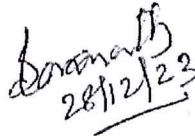
on line

6. Dr. Laishram Shila Devi, Member

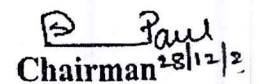

28/12/23

7. Dr. Amit Dahar, Member

8. Mr Laxmindar Debnath, Member


28/12/23


Member Secretary


Chairman 28/12/23

Chairman
Board of Studie
Faculty of Physical Educati
The ICFAI University 7


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