Curriculum Explanation Session (B.Tech. 1st year)

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Points of Discussion

1. The need to know the curriculum
2. Grading Scheme
3. Credit Basket System
4. Distribution of Credits
5. The Concept of Minor
6. The B.Tech. (Honours) Degree
7. Summarising the Ambiguities
8. Some Requests
9. Sources

The Need To Know The Curriculum

- Helps in Minor and Honors
- Better to plan always
- Problem becomes huge in final year.
- Heard of slot clashes?
- Graduating with courses of choice or courses of compulsion ?

Evaluation and Grading System

Letter Grade	Grade Point Value	Interpretation	Approx. Percentage
O	10	Outstanding	5%
A	9	Very Good	15%
B	8	Good	30%
C	7	Average	30%
D	6	Below Average	15%
E	4	Pass	5%
F	0	Fail	-
I	0	Incomplete	-

Source : https://insite.iitmandi.ac.in/insite_wp/index.php/grading-system/

Credit Basket System

1. For graduating with a B.Tech. degree in any of the following, you need to complete 160 credits :

   1.1 Civil Engineering

   1.2 Computer Science and Engineering

   1.3 Data Science and Engineering

   1.4 Electrical Engineering

   1.5 Engineering Physics

   1.6 Mechanical Engineering

2. For graduating with a B.Tech.-M.Tech. degree in Bioengineering you need to complete 206 credits.

The Concept of Credit (R.4)

1. “For theory courses and tutorials, one credit indicates an effort of 50 minutes (1 contact-hour) per working week (14 contact-hours per semester).”
2. “For laboratory courses, practicals and practicums, the credit distribution is as follows:

   1-2 hour lab session per week - 1 credit

   3-4 hour lab session per week - 2 credits

   5-6 hour lab session per week - 3 credits

   7-8 hour lab session per week - 4 credits”

3. “L-T-P-C” Notation

Distribution of Credits

For B.Tech.

Division	Sub-division	Credits
Institute Core	IC Compulsory	54
	IC Baskets	9
	HSS Core	13
Discipline	Discipline Core	33
	Discipline Electives	12
Electives	Free Electives	22
	MTP+ISTP or Equivalent	12
	HSS Electives	5
	TOTAL	160

For B.Tech.- M.Tech. Dual Degree

Division	Credits	Credits Sum
IC	54+9+13 = 76	136
Discipline Core	33	
Free Electives	22	
HSS Electives	5	
M.Tech. Discipline Electives	21	70
M.Tech. Core	9	
Technical Communication	1	
Bioethics and Regulatory Affairs	1	
Mini Project, Term Paper and Seminar	4	
M.Tech. Dissertation	34	
TOTAL	206	206

The IC Compulsory Courses

Course Code	Course Name	Credits	Course Code	Course Name	Credits
IC110	Engineering Mathematics	3	IC101P	Reverse Engineering	2
IC140	Graphics for Design	4	IC160P	Electrical Systems Around Us Lab	2
IC152	Computing and Data Science	4	IC141P	Product Realization Technology Lab	2
IC252	Data Science II	4	IC161P	Applied Electronics Lab	2
IC272	Data Science III	3	IC222P	Physics Practicum	2
IC160	Electrical Systems Around Us	3	IC201P	Design Practicum	4
IC111	Linear Algebra	3	IC240	Mechanics of Rigid Bodies	3
IC141	Product Realization Technology	2	IC221	Foundations of Electrodynamics	3
IC142	Engineering Thermodynamics	3	IC010	Internship	2
IC161	Applied Electronics	3		**TOTAL**	**54**

The IC Baskets (9 credits - 1 course each from the three baskets)

Basket	Course Code	Course Name	Credits
Science I	ICXX	Applied Chemistry for Engineers	3
	IC241	Materials Science for Engineers	3
	IC121	Mechanics of Particles and Waves	3
Science II	ICXX	Environmental Science	3
	IC136	Understanding biotechnology and its applications	3
Engineering	ICXX	Measurement and Instrumentation Practicum	3
	IC260	Signals and Systems	3
	IC242	Continuum Mechanics	3

A few compulsions!

Branch	Basket	Course Code	Course Name
BioE	Science-I	IC241	Materials Science for Engineers
	Science-II	IC136	Understanding biotechnology and its applications
	Engineering	IC260	Signals and Systems
CE	Science-I	IC241	Materials Science for Engineers
	Science-II	ICXX	Environmental Science
	Engineering	IC242	Continuum Mechanics
CSE	-	-	No Compulsion
DSE	-	-	To be decided later
EE	Engineering	IC260	Signals and Systems

A few compulsions!

Branch	Basket	Course Code	Course Name
EP	Science-I	IC121	Mechanics of Particles and Waves
	Science-II	ICXX	Environmental Science
	Engineering	IC260	Measurement and Instrumentation
ME	-	-	No Compulsion

HSS Core (13 credits - 1 + 3 + 3 + 3 + 3)

Basket	Course Code	Course Name	Credits
Creative Understanding	-	5 WIP	1
International Language Competence	HS106	English I	3
	HS208	English II	3
	HS342	German I	3
	HS352	German II	3
Communicative Competence	HS105	Basic Communication Skills	3
	HS206	Public Speaking and Debating Skills	3
	HS301	Policy Analysis and Advocacy Skills	3
	HS305	Science Writing	3

HSS Core (13 credits - 1 + 3 + 3 + 3 + 3)

Basket	Course Code	Course Name	Credits
Social Competence	HS252	Introduction to Psychology	3
	HS344	Introduction to Sociology	3
	HS204	Introduction to Political Science	3
	HS391	Introduction to World History	3
Managerial Competence	HS304	Organizational Management	3
	HS202	Principles of Economics	3
	HS205	Financial Accounting	3
	HS551	Financial Management	3

HSS Core (13 credits - 1 + 3 + 3 + 3 + 3)

- The list of courses which can be completed in order to complete the basket requirements, displayed in the previous two slides is only an indicative one.
- Many of these courses do get offered regularly, however, some other courses like HS204 and HS301 have not been offered since long.
- An entire revision of SHSS baskets is due to happen, for addition of many relevant courses to the baskets.
- As for now, students should refer to the course list corresponding to each semester, in order to know what are all the courses being offered under a particular basket for that semester.

Discipline Courses

1. Discipline Core

- 33 credits for B.Tech. and B.Tech.-M.Tech. BioE
- Extra 9 credits as M.Tech. Core for B.Tech.-M.Tech.BioE
- Usually 10-11 fixed courses
- Starting from {mostly} 3rd semester onwards
- Sometimes overlapping is there too! (CSE with EE, ME with CE, and now CSE with DSE as well)

2. Discipline Electives

- 12 credits for B.Tech. and 21 for B.Tech.-M.Tech. BioE
- To be Done from a pool of fixed courses
- Currently, the decision of authorizing a course as a DE rests with the FA
- For BioE, choice of either completing the degree with a specialization in any of the following :
  (i) Biomedical Engineering (ii) Agro-Technology
  (iii) Environmental Science and Engineering (iv) Computational Bioengineering
  where there is a specific set of courses for completing M.Tech. Core (9 credits) and M.Tech. Discipline Electives (21)
- Otherwise, they can also take courses across specializations. In such a case, he/she will be awarded M.Tech in Bioengineering without any specialization.

Discipline Core - BioE

Course Code	Course Name	Credits
BEXX1	Biology-I	4
BEXX2	Biology-II	3
BEXX3	Biology-III	3
BEXX4	Physics and modeling of biological systems	4
BEXX5	Computational Biology	3
BEXX6	Biostatistics	4
BEXX7	Biomechanics	4
BEXX9	Biomaterials	4
BEXX10	Biosensing and Bioinstrumentation	4

Discipline Core - CE (30 credits)

Course Code	Course Name	Credits
CE301	Strength of Materials and Structures	4
CE302	Geotechnical Engineering	4
CE351	Design of Reinforced Concrete Structures	3
CE353P	Civil Engineering Drawing	1
CE354P	Building and Pavement Materials Laboratory	1
CE201	Surveying : Traditional and Digital	3
CE251	Hydraulics Engineering	3
CE303	Water Resources Engineering	3
CE304P	Hydraulics Engineering Laboratory	1
CE352	Transportation Engineering	3
CE305P	Environment and Earth Science Lab	1
CE401	Design of Steel Structures	3

Discipline Core - CSE

Course Code	Course Name	Credits
CS202	Data Structures and Algorithms	4
CS207P	Applied Database Practicum	2
CS208	Mathematical Foundations of Computer Science	4
CS201	Computer Organization	3
CS201P	Computer Organization Lab	1
CS304	Formal Languages and Automata Theory	3
CS309	Information System and Databases	4
CS308P	Large Application Practicum	2
CS310	Introduction to Communicating Distributed Processes	4
CS302	Paradigms of Programming	4
CS307P	System Practicum	2

Discipline Core - DSE (30 credits)

Course Code	Course Name	Credits
DS201	Data handling and visualization	3
DS203	Mathematical Foundations of Data Science I	3
DS202	Introduction to Data structures and Algorithms	3
DS303	Statistical Foundations of Data Science	3
DS402	Matrix Computations for Data Science	3
DS301	Mathematical Foundations of Data Science II	3
DS404	Information Security and Privacy	3
DS403	Introduction to Statistical Learning	3
DS302	Computing Systems for Data Processing	3
DS401	Optimization for Data Science	3

Discipline Core - EE (30 credits)

Course Code	Course Name	Credits
EE311	Device Electronics for Integrated Circuits	3
EE312P	Microelectronics Circuits Design Practicum	2
EE203	Network Theory	3
CS201	Computer Organization	3
CS201P	Computer Organization Lab	1
EE201	Electromechanics	3
EE201P	Electromechanics Lab	1
EE208P	Digital Systems Design Practicum	2
EE301	Control Systems	3
EE301P	Control Systems Laboratory	1
EE303	Power Systems	4
EE304	Communications Theory	3
EE304P	Communications Theory Lab	1

Discipline Core - EP (30 credits)

Course Code	Course Name	Credits
EP301	Engineering Mathematics-2	3
PH301	Quantum Mechanics and Applications	3
EE311	Device Electronics for Integrated Circuits	3
EP302	Computational Methods for Engineering	4
PH302	Introduction to Statistical Mechanics	3
PH501	Solid State Physics	3
EP401P	Engineering of Instrumentation	4
PH502	Photonics	3
EP402P	Engineering Physics Practicum	4

Discipline Core - ME (30 credits)

Course Code	Course Name	Credits
ME205	Machine Drawing	3
ME206	Mechanics of Solids	3
ME303	Heat Transfer	3
ME308	Manufacturing Engineering	3
ME311P	Design Lab I	1
ME305	Design of Machine Elements	4
ME310P	Thermo-fluid Laboratory	2
ME307	Energy Conversion Devices	3
ME309	Theory of Machines	4
ME312P	Design Lab. II	1
ME210	Fluid Mechanics	3

Discipline Core

- All 33 credits of Discipline Core courses for CSE and BioE have been fixed.
- The extra 3 credits of DC courses for EE have been fixed, but are yet to be formally approved.
- For other branches (CE, DSE, EP, ME), the extra 3 credit worth courses are in the process of either getting fixed or getting approved.
- The list of these DC courses for CE, CSE, EE and ME has been prepared by observing the semester wise courses offered list : http://iitmandi.ac.in/academics/courses.php, and is therefore not completely verified yet. However, as soon as the competent authority verifies this list, the same shall be communicated to the students.

Electives (39 credits)

- HSS Electives (5 credits)

- Any HSS course which you take can be considered to fill up the HSS Electives basket.
- 5 credits usually means 2 courses (mostly of 3 credits each). The extra 1 credit goes to the Free Electives.
- “The 5 credits earned under Humanities Electives (see R.3.7) may be counted for Minor requirements if needed.”

Example - 1

1 credit from 5 WIP + 3 credits from CC : HS105 (BCS) + 3 credits from ILC : HS342 (German-I) + 3 credits from SC : HS391 (World History) + 3 credits from MC : HS205 (Principles of Economics) & 3 credits of HS524 (India in the 1950s) + 3 credits of HS537 (Post Reform India)

Example - 2

1 credit from 5 WIP + 3 credits from CC : HS206 (PSDS) + 3 credits from ILC : HS208 (English-II) + 3 credits from SC : HS391 (World History) + 3 credits from MC : HS510 (EoE) & 3 credits of HS304 (Organizational Management) + 3 credits of HS202 (Principles of Economics)

Electives (39 credits)

- Free Electives (22 credits)

- Any course which you can take in the institute can be counted towards your FE.
- From German-IV (HS372) to Quantum Mechanics and Applications (PH301) to Formal Language and Automata Theory (CS304) to Design of Steel Structures (CE401), and even to Sanskrit-1 (HS000) (if offered sometime!!), you can take anything.
- And not just the complete course, but the partial remains of overflowing credits from some other baskets can also count towards FE. That's why I would call FE as the SINK.

Example : At the end of your 6th semester, let us say, you have completed these many credits :

Discipline Electives : 10, HSS Electives : 3, Free Electives : 0

And In 7th semester you would want to take a course for your DE, which is a 3 credit course.

Discipline Elective completed then : 10+3 = 13. But you had to complete only 12. So, that 1 extra credit goes in your FE. And the FE to be completed now remain 21 (and not 22!).

Electives (39 credits)
- Free Electives (22 credits)

What to fill your Free Electives basket with?

- You are in CE. You want to get more specialisation in CE itself. Take all the courses of CE.
- 5 years down the line, you see yourself in a managerial position. Take the courses offered in the management basket, and if possible go for a Minor in Management.
- Your discipline is EE, but your interest is ME ? Take the courses from ME, and if possible do a Minor in MD / TFS / DM.
- See yourself as a would-be civil servant? Take courses which would help in UPSC-Mains examination, like HS255 : India since Independence, HS261 : The Indian Constitution, etc.
- Even more, want to be one amongst the very few Indian Field Medalists ? Plenty of courses like MA511 : Real Analysis, MA521 ; Functional Analysis await you.

Usually, the problem of *selecting* FEs will come after 5th semester only. So you have got plenty of time before you decide.

Electives (39 credits)

- MTP and ISTP OR Equivalent Courses (12 credits)

- ISTP : DP301P : 6th semester : 4 credits
- MTP : {DP401P : 7th semester : 3 credits + DP402P : 8th semester : 5 credits}
- Rule of dropping of MTP if grade < ‘C’ in 7th semester
- Both are optional courses, and if not opted for, get distributed in the ratio of 3:1 in DE:FE

	ISTP : Done MTP : Done	ISTP : Not Done MTP : Done	ISTP : Done MTP : Not Done	ISTP : Not Done MTP : Not Done
Discipline Electives	12	15	18	21
Free Electives	22	23	24	25

The Concept of the Minor Program (R.23)

- “A minor is intended for a student to gain expertise in an area outside his/her major B.Tech. discipline. The area of the Minor must be different from the Major discipline of the student.“
- “A specialist basket of at least 3 courses is identified for each Minor.”
- “In order to successfully complete a Minor, a student needs to take at least 9 credits with a CGPA of 7.0 out of the courses defined in that Minor basket.”
- At present, the institute offers a total of 7 different minor programs.

1. Minor in Applied Physics

Course Code	Course Name
PH513	Quantum Mechanics
PH522	Statistical Mechanics
PH523	Condensed Matter Physics
PH502	Photonics
PH503	Laser and Applications
PH504	Organic Optoelectronics
PH505	Electronic Structure
PH506	Project

1. Minor in Applied Physics

Eligible Branches : *Most probably - All but EP.*

Graduating Batch of	Number of Students
2016	CSE - 1, EE - 1, ME - 1
2017	CSE -1, EE - 1
2018	0
2019	0
TOTAL	**5**

2. Minor in Device Materials / Structural Materials

Course Code	Course Name
ME353	Electronic Materials and Their Applications
ME607	Materials Science for Failure Analysis
ME609	Functional Materials
ME619	Experiments in Materials Science

2. Minor in Device Materials / Structural Materials

Eligible Branches : *Most probably - All but ME.*

Graduating Batch of	Number of Students
2016	0
2017	0
2018	0
2019	0
TOTAL	**0**

3. Minor in Mechanical Design

Course Code	Course Name
ME205	Machine Drawing
ME206	Mechanics of Solids
ME305	Design of Machine Elements
ME309	Theory of Machines
ME352	Finite Element Methods in Engineering
ME602	Mechanical Vibration

3. Minor in Mechanical Design

Eligible Branches : *Most probably - All but ME.*

Graduating Batch of	Number of Students
2016	0
2017	0
2018	0
2019	0
TOTAL	**0**

4. Minor in Thermo-fluid Systems

Course Code	Course Name
ME210	Fluid Mechanics
ME303	Heat Transfer
ME307	Energy Conversion Devices
ME356	Principles of Energy Conversion
ME451	Refrigeration and Air Conditioning
ME614	Compressible Flow and Gas Dynamics
ME615	Applied Computational Fluid Dynamics

4. Minor in Thermo-fluid Systems

Eligible Branches : *Most probably - All but ME.*

Graduating Batch of	Number of Students
2016	0
2017	0
2018	0
2019	0
TOTAL	**0**

5. Minor in German Language

Course Code	Course Name
HS352	German - II
HS362	German - III
HS363	Post-war Germany: A Literary Perspective
HS372	German - IV
HS373	Readings from German History

German - I is a prerequisite for German - II. So, it is advisable to take German-I in the next semester, in case you would want to complete Minor in German Language.

5. Minor in German Language

Eligible Branches : *All branches.*

Graduating Batch of	Number of Students
2016	CSE -1, EE - 2, ME - 2
2017	EE - 1, ME - 1
2018	0
2019	0
TOTAL	**7**

5. Minor in German Language : Alumni Experience

1. Prashant Kumar, B12072 : Electrical Engineering

“At present, I am doing my Masters in Germany. The minor in German language has helped me a lot to survive during my initial days here. Even during my admission, it has strengthen my application. “

6. Minor in Intelligent Systems

Course Code	Course Name	Course Code	Course Name
BY606	Bioinformatics Applications for System Analysis	CS660	Data Mining for Decision Making
CS305 (CS4XX)	Artificial Intelligence	EE511	Computer Vision
CS506	Cognitive Modeling	CS671	Deep Learning and Applications
CS630	Speech Technology	CS670	Kernel Methods for Pattern Analysis
CS669	Pattern Recognition	EE608	Digital Image Processing

6. Minor in Intelligent Systems

Eligible Branches : *Most probably, CSE, EE (and from now onwards DSE too) cannot do.*

Graduating Batch of	Number of Students
2016	0
2017	0
2018	0
2019	CE - 1, ME - 2
TOTAL	**3**

6. Minor in Intelligent Systems : Alumni Experience

1. Rushil Singhal, B15330 : Mechanical Engineering

“Gained knowledge in the most trending field of AI/ML. It helped me apply ML to Mechanical Engineering for Robotics.”

2. Utkarsh Kunwar, B15338 : Mechanical Engineering

“It was good. Got to learn new things that would definitely help in my master's thesis. I won't have to take several master's courses here because I've already done them for my minor back at IIT Mandi. This opens the doors for taking different courses than the rest of the people which helps to expand your profile.”

6. Minor in Intelligent Systems : Alumni Experience

3. Gaurav Purohit, B15411 : Civil Engineering

“I have taken 3 courses to complete my minor which are as follows:
1) Deep Learning and it's applications
2) Data Mining
3) Computer Vision
Deep Learning is really good course, it's a kind of head start to the world of Artificial Intelligence. I think it helped me in interviews because interviewers don't know much of deep learning so it's sound like a cool thing.
Coming to Data Mining and Computer Vision I have only attended very few lectures of Data Mining and computer vision, so knowledge wise I don't think I learnt many things in these two courses but they helped me to complete my minor degree very easily.
I did these two courses (DM And CV) just to complete my minor, so that in the interviews I can say "I am doing minor in Computer Science" and interviewers used to get very impressed by it because it kind of shows your extra effort.
So I would say knowledge you get in minor is no doubt useful and will definitely help you in long run but the tag of "minor" is also important.”

7. Minor in Management

Pre-requisites

- One course from Communicative Competence Basket
- IC210 -> IC252.

Compulsory Courses

- HS202 (Principles of Economics)
- HS304 (Organizational Management)

Course Code	Course Name
HS205	Financial Accounting
HS403	Organizational Behaviour
HS450 (HS551)	Financial Management
HS616	Managerial Thinking and Decision Making
HS461	Consumer Behaviour

7. Minor in Management

Eligible Branches : *All.*

Graduating Batch of	Number of Students
2016	CSE - 2
2017	CSE - 9, EE - 13, ME - 3
2018	CSE - 3, EE - 4, ME - 4
2019	CE - 4, CSE - 19, EE - 6, ME - 3
TOTAL	**70**

7. Minor in Management : Alumni Experience

1. Rushil Singhal, B15330, Mechanical Engineering

“Understood precious concepts of Finance and Management that are helping me a lot in personal as well as professional life.”

2. Sahil Yadav, B15130 : Computer Science and Engineering

“It was good. At one point I became very interested in Economics. Although it depends if you just want to work on your minor just for the sake of it, as that'll require you to just have some minimum Grade Point and you'll be done. But that doesn't really fulfill the point as it doesn't significantly matter in industry (unless you do want to change your stream in near future). I'd say take courses that you think you'll enjoy. I took Entrepreneurship and Financial Management apart from the mandatory two. I enjoyed the latter course very much and had a great experience taking Organizational Management as well. Partly it depends on the faculty and partly it depends on you so be informed about who's gonna instruct you.”

Honours Program

For B.Tech.

No.	Norm
1.	Extra 12 credits of DE
2.	CGPA >= 8.5
3.	At least ‘B” in MTP - DP401P, DP402P & ISTP - DP301P
4.	No ‘F’ grade ever

For B.Tech.- M.Tech.

No.	Current Ambiguities
1.	Extra 12 credits of DE?
2.	*[Most probably same]* CGPA >= 8.5
3.	MTP & ISTP in FEs?
4.	*[Most probably same]* No ‘F’ grade ever
5.	All depends on : (a) B.Tech. (Hons.) and M.Tech. in …… OR (b) B.Tech.-M.Tech. (Hons.)

Honours Program : Statistics

Graduating Batch of	Number of Students
2017	CSE - 3, EE - 1
2018	CSE - 4
2019	CSE - 1, ME - 1
TOTAL	**10**

Honours Program : Experience

1. Neha Muthiyan, B14113 : Computer Science and Engineering

“I have completed B.Tech in CSE with Honors. I personally feel that the overall experience of the honors program was quite good. The requirements at my time were to complete all the practicum courses like DP, ISTP, MTP and 12 extra credits of discipline core. I feel that the best part of the program were the extra 12 credits. I took courses which I generally wouldn't have Done to complete these credits and realized that they were very interesting courses. For example - computer vision, computational modelling of social systems. The program did require me to take 20 credits during my 7th and 8th semester which was a bit hectic and frustrating because everyone else is taking like only 10 credits. I haven't seen a direct effect of honors on my placement but the extra knowledge and projects for honors did help a lot. Pursuing honors does help in higher studies but I don't have first hand experience of it. Overall it is a great experience and go for it.”

Honours Program : Experience

2. Rushil Singhal, B15330 : Mechanical Engineering

“The hard work required in completing Honours was a great realisation of my potential. I needed to get good grades in ISTP and MTP, due to which, I learnt taking ownership of a project.”

All other suggestions by the Alumni

1. Rushil Singhal, B15330 : Mechanical Engineering

"I did Honours with 2 minors. It was possible only due to careful planning and successful execution. If you plan your B.Tech. properly, then you can surely achieve impossible looking milestones quite conveniently."

2. Utkarsh Kunwar, B15338 : Mechanical Engineering

"*Don't think that you are limited to the topics of your branch. The more you explore, the better you can connect and relate between different topics. Exploring other fields of study will only make your profile stronger. Knowledge is never useless.*"

All other suggestions by the Alumni

3. Sahil Yadav, B15130 : Computer Science and Engineering

“For computer science guys, make sure you do your assignments from CDP, LAP, etc. and courses like that diligently as you don't know when you'll have an upper edge among other candidates for a job just because you know how to use Nagios or Nginx (happened with me), and make sure to make the most out of your internships. Cheers!“

4. Prashant Kumar, B12072 : Electrical Engineering

“Do the Projects and MTP (Bachelors final year project) with full dedication.”

Summarising the Ambiguities

1. A few course codes : mostly ICXX.
2. Basket Compulsions : DSE.
3. The extra 3 credits to be completed for Discipline Core : All except CSE and BioE.
4. Branches eligible for each Minor program.
5. Honours Program Structure for BioE.
6. Anything that can change might change!!

Your rights : Our requests

- Course Recommendation Session by the FA (R.5)
- Quiz and End-Sem Answer Scripts (R.20)
- Exam papers and Evaluation pattern on Moodle (R.20, R.6.3)
- Class Representatives - R.6 (Shouldn't be randomized from the next semester)
- Two forms : (A) Overall Course Plan and (B) Courses for Aug-Dec 2020

Sources / References

- Minutes of the Senate Meetings
- Minutes of the BoA Meetings
- B.Tech. Ordinances and Regulations
- Feedback shared by the Alumni
- http://iitmandi.ac.in/academics/courses.php
- My Own Experience!
- https://insite.iitmandi.ac.in/circulars/show.php?ID=No.IITMandi/AR(Acad)/2019/6783-93
- [You can always refer to : https://insite.iitmandi.ac.in/alumini-contacts.html]

Sources / References

- The number of students graduating with a minor or honours program, has been calculated by analysing the previous senate meetings' minutes. Therefore, these numbers might vary a bit (+1/-1) owing to human error, although they have been cross checked twice.