Agenda Notes

46th Meeting

of the

Senate

Venue of the meeting
Conference Hall, PDPM IIITDM Jabalpur
Date and Time of the Meeting
January 15, 2021
At 11.00 a.m.

PDPM

Indian Institute of Information Technology,
Design and Manufacturing Jabalpur (M.P.)

Agenda 46th Meeting of the Senate
to be held on January 15, 2021 at 11.00 am in Institute Conference Room

List of Annexures

Senate/46/01	Overview Report by the Chairperson of the Senate

Overview report will be presented by the Chairperson Senate during the meeting.

Senate/46/02	Confirmation of Minutes of the 45th meeting of the Senate held on August 06, 2020.

Minutes of the 45th meeting of the Senate were circulated to the members (**Annexure I**). Following comments were received:

Dr. Subir Singh Lamba

1) On page 4, para (ii), it is mentioned "The research (thesis) credits for Ph.D students will be dropped.

Then I think a programme of a PhD student cannot be terminated on the basis of his performance. Because, in the present system if he gets 4X then his programme is terminated.

2) On page 5, para (iv), "written" examination is mentioned. It should be done away with.

Dr. Prabir Mukhopadhyay

The BDes curriculum has not been attached. Please enclose the new BDes curriculum also so that the students could be informed.

The Senate is requested to confirm the Minutes with modifications, if any.

Senate/46/03	Action taken report on the decision of the Senate vide 45th meeting of the Senate held on August 06, 2020.

Action taken report on the 45th meeting of the Senate is attached herewith as **Annexure II**.

Senate/46/04	Review of academic session in previous semester and policy for current semester

A brief report on the academic activities during the last semester will be presented before the Senate.

As the pandemic situation is still not over, it is proposed that the current semester will continue to run in online mode only. However, students may be asked to come to campus in batches to perform their project work/ lab experiments, etc. It is proposed that evaluations for the current semester will be held in normal mode as per usual practice.

Suggestions are requested from the Senate on the subject matter.

Senate/46/05	Introduction of multipoint exit system from the Institute

The New Education Policy suggest for the multi exit system to the students. It is proposed to provide multi exit system to UG students with following exit points:

i. At the end of first year a student can exit his/her program. The student must clear all the subjects of first year of UG program. Such Engineering students will be given a certificate in "Foundations of Engineering" and Design students will be given a certificate in "Foundations of Design". The certificate will have the category Excellent (SPI >9), Very Good (9 <= SPI > 8), Good (8 <=SPI > 6), Satisfactory (6 <= SPI >3).

ii. At the end of the second year a student can exit the system with Diploma. Diploma will be granted in the relevant stream he belongs to. In order to get Diploma each discipline will decide the practical knowledge a student must have to acquire the Diploma. Such experiments are to be completed during the summer term at the end of the second year of the program. Diploma will be granted with the CPI at the end of summer term.

iii. At the end of third year a student can exit the system with Advanced Diploma. Each discipline will decide 2 to 3 streams of advanced diploma depending on the current trends in the field and approved by the Chairperson Senate. Accordingly a student can chose the electives in 5th and 6th semester to complete the requirements of the Advanced Diploma. Some additional requirements, if any, can be completed during the summer term. Such students will get both Diploma and Advanced Diploma certificate. Advanced Diploma certificate will have category Excellent (CPI>9) /Very Good (9<= CPI >8)/ Good (8<= CPI >6)/ Satisfactory (6<= CPI >4).

The Senate is requested to approve the same. It is proposed to implement the policy with immediate effect.

Senate/46/06	Proposal for re-entry in the system

Sometimes due to circumstances, a student is not able to complete his/her program and leave the Institute in between without getting any degree. To give a chance to such students it is proposed to provide facility for re-entry to such students at various stages:

i. UG students: A UG student exited at the end of 2nd year or 3rd year may apply for the re-entry in the system. A three member committee consisting of Dean Academic, Head of the concerned Discipline and one senior faculty from concerned discipline will evaluate the case and will suggest the mapping of the courses in the present curriculum with the courses already done by the student and suggest the courses to be completed by him/her to complete his program. Such student has to do a crash course during the summer term to come to main stream and must successfully clear the same. For re-entry the student must apply in the first week of April. If a student re-enters in the 3rd year he will be given a period of 3 years to complete his/her program and If a student re-enters in 4th year he will be given a period of 2 years to complete his/her program.

ii. Master's student: Master's students who have left the Institute after completing their course work may apply to re-enter to complete their thesis work. They must apply for re-entry in the month of April. Such students will not be provided any assistantship.

They might have option to complete thesis work in external mode. Such students need to complete their program in 2 years.

iii. PhD students: A PhD student who has completed the comprehensive and left in between may opt to re-enter for the completion of PhD program under the same supervisor. In case supervisor is not available, he should choose and take consent from a faculty as supervisor before entry in the system. The rule of total duration of 6 years of PhD not counting the period of leave will be applicable to them and they will not be getting any assistantship.

The Senate is requested to approve the proposal to be implemented with immediate effect.

Senate/46/07	Introduction of Minor Degree in Fine Arts

Some students have interest towards the fine arts (Indian dance, music, etc.). It is proposed to introduce a minor degree in fine arts with focus towards Indian culture. The Senate is requested to approve the proposal. A committee be formed to work out the details.

Senate/46/08	Proposed seat matrix for session 2021-22

Proposed seat matrix for the next year is attached as **Annexure III**. The Senate is requested to recommend the same for approval of the Board. At this stage it is proposed to review the Masters' program.

The details of admission during last 5 years for each stream are listed in the table:

Senate/46/09	Proposed fees structure for session 2021-22

Proposed fees structure for the next year is attached as Annexure. The Senate is requested to recommend the same for approval of the Board.

Senate/46/10	Introduction of dual degree (Bachelor+Master) program

The Senate in last meeting approved the policy to introduce Dual Degree Program (B.Tech.+M.Tech.) for students in third year. Following policy is proposed for the same:

I. Option for change of program to dual degree will be given to top 20% students of the class.

II. To convert the program students at the end of V semester of their UG program can apply for the conversion. Dean Academic in consultation of head of the concerned discipline will examine the eligibility and approve the conversion of the program.

III. Such students will register for four additional courses of Master's level on the advice of DPGC in their VI, VII and VIII seemester.

IV. Such student will be given waiver from BTP/ PBI and will register for Master's thesis in their 5th year.

V. At the end of the 5th year on successful completion of the program the students will receive Dual Degree ((B.Tech. + M.Tech.) or (B.Des. + M.Des.))

The Senate is requested to approve the proposal. It will be applicable from current year itself.

Senate/46/11	Introduction of an elective in Entrepreneurship and startup

It is proposed to introduce electives in the areas of Entrepreneurship and Startup. The course(s) will be offered in elective form. It is proposed to authorize PIC RSPC to propose the course content. The same will be approved by the Chairperson Senate.

Senate/46/12	Introduction of Collaborative Masters' and Ph.D. and Certification Programs

It is proposed to start collaborative Masters' and PhD programs in collaboration with Industry, Institute of repute (IITs) and foreign Institute/Universities. An MoU will be signed for the same and the awarded degree will have a mention of the same. In addition to Masters' and Ph.D. programs, joint certificate programs may also be started.

Senate/46/13	Introduction of Six Month/ ONE-year EXECUTIVE program

It is proposed to start ONE year / 6 Months Executive programs for working professions in few identified areas. The programmes will be started in discussion with the Industries as per their needs and be approved by the Chairperson Senate. The course content, fees for the such programs will be decided based on the actual need of industry or other organizations.

Senate/46/14	Ph.D./MTcch admission of international students at the institute level

Currently the Institute offers admission to international students through "STUDY in INDIA" and DASA programmes. It is proposed to offer admission to international students directly. In such cases the minimum criteria of GATE should be exempted to international students. For admissions, advertisement may be sent to prospective students through social media and direct advertisement. Proposed fees for such candidates to be fixed up as USD 2000 per year.

Senate/46/15	Revised seat and fees matrix for admission though Study in India

Currently the Institute offers admission to international students through "STUDY in INDIA". It is proposed to increase the number of seats to be offered through the program to increase the number of international students. The revised seat matrix is proposed here.
Further, it is further proposed to revise the fee structure for admission through the program. The Senate is requested to recommend the seat matrix and fee structure to the board for approval.

Senate/46/16	M.Tech./M.Des. through internship/project/industrial work

Currently the Institute is offering M.Tech. degree through research work only. In some cases it is observed that Industries offer internship to Masters' students and they get hands on experience on the project work. It is proposed to offer M.Tech. degree through the internship/ project / industrial work also. For the purpose M.Tech. degree be divided in two categories:

a. M.Tech. by research: In this the thesis work to be completed by the research work and same be evaluated by the defence committee,

b. M.Tech. by Project: In this case the student will work on Industrial or social projects which do not have research work but have real-life implementation. The student will submit a final report of the work done by him/her. The defence evaluation committee will evaluate the work. Other evaluation in the form of graduate seminar will be applicable to such students also.

Senate/46/17	Reduction of experience requirement for Part-Time Master/Ph.D. program for Working Professionals

The Institute has started part time Masters' and Ph.D. program for the working professionals. 10 years minimum experience requirement has been kept for both Masters' and Ph.D. program. The Institute has received some request to reduce the experience. It is proposed to reduce the experience to:

a. 5 years minimum experience is required for the Masters' programme for Working Professionals

b. 8 years minimum experience is required for the Ph.D. programme for Working Professionals

Senate/46/18	Evaluation of Introduction to Profession Course

It is proposed to change evaluation strategy for the course Introduction to Profession to S/X in place of gradings like A+, A, etc. The evaluation be held based on the understanding of the profession through assignment / report / project work.

Senate/46/19	Conduction of pure lab (XXXXXL) Backlog courses of the old curriculum

Some students of previous batches have lab courses as backlog. The lab courses have been now merged in the theory courses. It is proposed that such students can register only for the lab part of the course in place of the whole course (theory + lab) and be awarded credits as per the their previous curriculum.

Senate/46/20	Ratification of the approvals accorded by the Chairperson Senate

From time to time, the Chairperson Senate, for smooth running of the academic activities, accords approvals. A list of approvals will be placed during the Senate meeting.

The Senate is requested to ratify the approvals accorded by the Chairperson Senate.

Senate/46/21	Any other item with the permission of the Chair

PDPM
Indian Institute of Information Technology,
Design and Manufacturing, Jabalpur

Minutes of 45th Meeting of the Senate held on August 6, 2020 from 02.00 pm onwards in the Conference Hall of Admin Block of PDPM IIITDM Jabalpur.

Members present:

Prof. Sanjeev Jain	Chairman
Prof. Vijay K. Gupta	Member
Prof. P. N. Kondekar	Member
Dr. Dinesh K. Vishwakarma	Member
Dr. Prashant K. Jain	Member
Prof. Puneet Tandon	Member
Dr. Prabin K. Padhy	Member
Dr. Prabir Mukhopadhyay	Member
Dr. Atul Gupta	Member
Dr. Subir S. Lamba	Member
Prof. Aparajita Ojha	Member
Prof. Tanuja Sheorey	Member
Dr. K. K. Biswas	Member
Dr. Sushil Kumar	Member
Smt. Swapnali D. Gadekar	Acting Registrar & Secretary (Senate)

Following members expressed their inability to attend the meeting due to their prior commitments:

Prof. B. K. Chakravarthy
Shri C. M. Venugopalan
Shri Jitendra Chaddah

Senate/45/01	Overview Report of the Chairperson

Chairperson Senate apprised the members about the activities of the last semester. He informed the members that last semester was completed successfully despite all odds with the support of students, faculty and staff. The institute is progressing with more focus towards Innovations. He also informed the Senate that presently Ph.D. students are allowed in campus on need basis.

Senate/45/02	Confirmation of the Minutes of the 44th meeting of the Senate held on May 23, 2020

No comments were received on the minutes of the 44th meeting of the Senate. The Senate confirmed the minutes.

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Senate/45/03	Action taken report on the decision of the Senate vide 44th meeting of the Senate held on May 23, 2020

The Senate noted the actions taken on the decisions of the Senate in its 44th meeting.

Senate/45/04	Academic performance report for the last semester (Semester II, 2019-20)

The report of the academic performance in the last semester was presented before the Senate members. The Senate was apprised that only 8% students opted for SS grade.

The members shown concern about the poor performing students, Heads of the Discipline with Director as the Chairman of the committee will discuss the performance in depth and suggest corrective measures so that performance may be improved.

The Senate also decided to allow students having "C" grade for improvement in addition to "D+", "D" and "F".

Members also suggested that faculty members should help the students during the semester to cope up with the studies by devoting some extra time. The Senate advised to frame a policy (hand holding policy) for the same.

Senate/45/05	Start of next semester and finalization of Academic calendar

The Senate approved the date of start of the various programs as proposed and guidelines for smooth running of the Semester except point number 9 and 10. The Senate also advised to conduct the classes on Saturday with enhanced timing. The point 1 is modified as:
1. The classes for the coming semester will held online till the Government permit for the opening of the Institute physically.
The labs will be held in demonstration mode, the students can do calculations and be evaluated.

Point number 9: The Senate decided that SS grade would be available but way of allotting the SS grade will be different and authorized Chairperson Senate to approve the revised policy, if any for the same in due course of time.

Point number 10: It is an executional matter and hence removed it from the minutes.

The Senate authorized the Chairperson Senate to modify the dates for starting of the classes based on the prevailing situations and approve the Academic Calendar. In the worst case if UG program does not start from November, one evaluation block may be dropped in current semester and can be completed during summer term.

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a) UG Curriculum
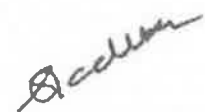
The Senate discussed the proposed new curriculum and approved the same with following modifications:

1. Lab learning should be enhanced by assigning projects or through assignments.
2. All electives will be 2-0-2 or 3-0-0 mode.
3. The proposed discipline project in 3rd year to be converted to optional discipline project instead of compulsory.
4. IT workshop can run with the help of some well-known software companies. For the benefit of the students, if they wish to get a certificate of proficiency combined with the company a certificate may be issued by taking nominal charges.
5. Some elective may be introduced in 3rd and 4th semester and accordingly core courses may be shifted to higher semester. All core courses to be completed by 5th semesters.
6. It will be tried to introduce electives such as music, arts, fine arts, etc. May be some minor degree in fine arts can be introduced for students aligned towards the directions. The Chairperson Senate is authorized to form the committee for the same.
7. A course on Data structure is to be introduced in 2nd or 3rd semester.
8. One open elective is to be dropped.
9. The Senate suggested having a comprehensive examination for the students in VI or VII semester.
10. The Senate also suggested for multi exit option. After first year the students may be awarded Certificate in Engineering Sciences. After second year the students may be awarded Diploma. A detailed policy to be brought in the next Senate meeting.
11. The Senate suggested bringing a policy for encouraging startup from students and faculty.
12. The English course in first semester should focus on the building the grammar from 8th standard to 10th standard.
13. It was suggested to increase the credits for Professional Development Courses.
14. Introduction to profession will be evaluated based on small quizzes based on 3-4 lectures.
15. The Senate discussed on the credits for the BTP in line with Credits for the PBI. The Senate formed a committee of Heads, PIC academic and Director to decide the credits for the BTP.

The Senate authorized Chairperson Senate to approve the curriculum after the modifications. The Senate decided to implement the new curriculum from this semester itself for all the batches. Based on the suggestions of the Senate, the revised template for the UG curriculum is attached as Annexure I.

b) Credit requirements for the PG programmes:
The Senate also discussed the proposed credit requirement for the PG programmes and decided the following:

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i) The Senate suggested allowing void semester(s) for Masters students for medical reasons or internship (in India or abroad). The Chairperson Senate is authorized to take final decision in such cases.

ii) The research (thesis) credits for PhD students will be dropped. The evaluation of performance in a semester will be through research seminar/ progress seminar. For registration in next semester it is required to complete the research seminar/ progress seminar.

iii) Requirement of teaching credits for PhD students will be dropped and in place of this every PhD student have to do a course on teaching pedagogy (through SWAYAM or in house mode) and submit the certificate of successful completion. However, students who have already completed the requirement of teaching credits will be exempted from the requirement of teaching pedagogy course.

iv) Masters' students will be advised to attend the professional development courses running for the UG students to enhance their personality.

v) The Senate decided to reduce credits through course work for the NS students to 12 credits in place of 18 credits in line with Technology and Design students.

vi) The Senate also approved that in place of "Communication skill" course the students will be asked to appear the courses of B.Tech. and complete them as "S" or "X".

The Senate approved the proposal with modification. The Senate also decided that this would be implemented from this semester for all batches of PG programmes. Based on the decision of the Senate revised requirements for the award of PG degree are enclosed as Annexure II.

Senate/45/07	Modifications in the guidelines for the Masters and Ph.D. programs

The Senate accepted the proposed modifications with following changes:

i) Point 7.10.8 (iii) will be modified as "The comprehensive examination will be oral based only". Further, point 7.10.8 (v), (vi new) will be dropped. The Senate decided that comprehensive examination should focus on the fundamentals related to research area of the student. The duration of comprehensive may be for 1.5 to 2 hours.

ii) Point 7.10.8 (iv): The Senate decided that as Comprehensive Board is same as RPC, no further requirement of committee approval is required.

Modified guidelines for the Ph.D. Comprehensive examination (clause 7.10.8) are as follows:

i) Students registered in the Doctoral programme must pass a Comprehensive Examination designed to test the overall comprehension of the student in subjects relevant for his/her area of research. A student can appear in the Comprehensive Examination only after he/she has completed the minimum course requirements and satisfied the requirement of minimum specified CPI.

ii) Students must appear for the comprehensice examination within 4 months after the completion of the course work. Any deviaiton from this will require special approval from the Chairperson Senate on recommendation of Convener DPGC and Dean Academic.

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iii) The mode of Comprehensive Examination will be oral and focus on the fundamentals related to the research area of the student. The duration of examination may be 1.5 to 2 hours.

iv) The Comprehensive Examination Board of a Doctoral student shall be same as his/her RPC. The thesis supervisor of the student shall be the Convener of the Comprehensive Examination Board. The dates for written and oral examiantion will be decided by the committee and will be intimated to the academic office through Convener DPGC. Any changes in the Comprehensive Examination Board will require approval from Chairperson Senate through DPGC convener and Dean Acacemic.

v) The oral examination will be conduced in open mode.

vi) A student shall be considered to have passed the Comprehensive Examination on the recommendation of the Comprehensive Examiantion Board. The convener of the Comprehensive Examination Board shall be responsible to send the report of the Comprehensive Examination to the Dean Academic for approval through Convener, DPGC. Any dispute in the opinion of the Comprehensive Examination Board shall be put up before the Chairperson Senate through DPGC Convner and Dean Academic. The decision of the Chairperson Senate will be final and will be binding to all.

vii) If a student fails in the Comprehensive Examination in his/her first attempt, a second Comprehensive Examination shall be conducted by the same Board that was constituted earlier unless otherwise changed by Dean Academic on the recommendation of the DPGC. A student shall be recommended for termination if he/she fails to pass the Comprehensive Examination even after two attempts. All such cases shall be brought to the notice of the Senate.

viii) After the comprehensive examination, Doctoral Student needs to register for progress seminar in every semester till she/he appears for the open seminar.

The Senate decided to implement the same with immediate effect.

Senate/45/08	Modified SWAYAM policy and guidelines

The Senate approved the policy for the SWAYAM. It is decided to implement it from Semester I, 2020-21.

Senate/45/09	Modification in the policy for Academic Dishonesty

The Senate deferred the agenda item. The Senate authorized Chairperson Senate to approve the policy.

Senate/45/10	Confirmation of Degree for the next convocation

The Senate recommended the names of B.Tech. students (258 out of 267 students) for the award of degree to the BoG for approval. The Senate also authorized Chairperson Senate to recommend additional names to the BoG after the result of PG and summer term, who fulfills the requirement of the Degree.

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Senate/45/11	Change of grading pattern for the Ph.D.

The Senate accepted the proposal for grading of course work for PhD students as equivalent to UG and Master's students as A+, A, B+, B, C+, C, D+, D and F.

Senate/45/12	Modified Provisional Degree Certificate

The Senate decided to include the name of the father and mother names in Degree and provisional degree. The Senate formed the following committee to finalize the template for the degree and provisional degree and authorized the Chairperson Senate to approve the same:
1. Prof. Aparajita Ojha
2. Prof. Puneet Tandon
3. Prof. Vijay Kumar Gupta

Senate/45/13	Ratification of approvals accorded by the Chairperson Senate

The Senate ratified the approval of Chairperson Senate for the results of the last semester.

Senate/45/14	Any other item with the permission of the Chair

14.1 Attendance requirement for the current semester
The Senate decided that requirement of attendance will be waived for this semester.

14.2 Modification in 7.10.14 (iv): In case two out of three examiners rejects PhD thesis
The student may re-register and he/she may be given waiver of the course work.

14.3 Number of examiner for the PhD thesis evaluation
The Senate decided that the PhD thesis to be sent to one examiner from India and one examiner from out of India.
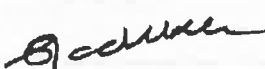
14.4 Panel of Examiner for PhD thesis
The Senate decided that panel of examiner may consists of 4 examiner from outside India from the top 400 QS/Times ranked Institutes and 4 examiner from India. The Senate authorized Chairperson to add examiner of his/her choice, if needed.

The meeting ended with thanks to all the present.

(Swapnali D. Gadekar)
Acting Registrar & Secretary (Senate)

Prof. Sanjeev Jain
Chairperson, Senate

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Revised Curriculum effective from August 2020

2020 Batch

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7/8	Semester 8/7
NS1 (3L+2T, 4C) I course on Mathematics	NS3 (3L+2T, 4C) Mathematics II	ES5 (2L+2P, 3C) Data Structure	DC4 (4C)	DP1 (1L+6P, 4C) Engineering Design	MN2 (8P, 4C) Fabrication Project	OE7 (3C)	Project-based Internship (15C)
NS2 (3L+1T+2P, 4C) I Course on Physics	NS4 (3L+1T+2P, 4C) NS104 Physics II	DC1 (4C)	DC5 (4C)	DC8 (3C)	OE4 (3C)	OE8 (3C)	(PBI: Optional in 7th semester)
HS1a (1L+2T, 2C) HS101 Effective Communications (OR) HS1b Alternate	HS3 (2L+2T, 3C) HS102 Indian Culture, Ethics and Human Values	DC2 (4C)	DC6 (4C)	DC9 (3C)	OE5 (3C)	OE9 (3C)	OR
ES1 (2L+3P, 3C) Introduction to Programming	ES3 (2L+3P, 3C) DS101 Engineering Graphics	DC3 (4C)	DC7 (4C)	DC10 (3C)	OE6 (3C)	OE10 (3C)	BTP (09C) + 2 OEs (3-0-0-3) (Total: 6C)
Prof DC1/ SM1 (1L, 1C) Introduction to Profession	ES4 (3L+2P, 4C) ES101 Basic Electronics	OE1 (3C)	OE2 (3C)	OE3 (3C)	HS3 (2L, 2C) Ecology and Environment Science		
		NS5 (2L, 2C) Biology for Engineers (Batch A)	NS5 (2L, 2C) Biology for Engineers (Batch B)				
		IT Workshop I (3P, 2C)	IT Workshop II (3P, 2C)	IT Workshop III (3P, 2C)	IT Workshop IV (3P, 2C)		
ES2 Innovation Theory and Practice (1L+2P, 2C)		PR Discipline Project (2C)	PR Discipline Project (2C)	OPR Optional Discipline Project (2C)			
PC1 Professional Development Course (1C)	PC1 Professional Development Course (1C)	PC1 Professional Development Course (1C)	PC1 Professional Development Course (1C)	PC3 Professional Development Course (1C)	PC3 Professional Development Course (1C)	PC4 Professional Development Course (1C)	
Total Credits 14	21	20/22	26/24	18	18	16	15
Credits per year 35		46		36		31	
Total Degree Credits				148			

Note:

1. The credits of Projects (Innovation, Discipline projects) and PDC are allotted/counted in the end of even semester.
2. Discipline core courses/ Open Elective can be of any one of the following structures 3-0-2, 2-2-2, 3-0-0, 3-1-0, 3-1-2 with credit count limit on credit counts.

Template for 2019 Batch

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7/8	Semester 8/7
NS101 (3L+2T, 4C) Mathematics I	NS103 (3L+2T, 4C) Mathematics II		DC4 (4C)	DP1 (1L+6P, 4C) Engineering Design	MN2 (8P, 4C) Fabrication Project	OE7 (3C)	Project-based Internship (15C) *(PBI: Optional in 7th semester)*
NS1022 (3L+1T+2P, 4C) Engineering Mechanics	NS104 (3L+1T+2P, 5C) Electrodynamics and Optics	DC1 (4C)	DC5 (4C)	DC8 (3C)	OE4 (3C)	OE8 (3C)	OR
HS101 (1L+2T, 2C) Effective Communications Skills	HS3 (2L+2T, 2C) HS102 Culture and Human Values	DC2 (4C)	DC6 (4C)	DC9 (3C)	OE5 (3C)	OE9 (3C)	BTP (09C) +
ES1 (2L+3P, 5C) Fundamental of Electrical and Electronics Engg.	ES3 (1L+3P, 3C) DS101 Engineering Graphics	DC3 (4C)	DC7 (4C)	DC10 (3C)	OE6 (3C)	OE10 (3C)	2 OEs (3-0-0-3) (Total: 6C)
ES2 (2L+2P, 4C) Fundamental of Computing	ES3 (3L+2P, 5C) ES103 Data Structure and Algorithm	OE1 (3C)	OE2 (3C)	OE3 (3C)	HS3 (2L, 2C) Ecology and Environment Science	OE11 (3C)	
			NS5 (2L, 2C) Biology for Engineers				
		IT Workshop I (3P, 2C)	IT Workshop II (3P, 2C)	IT Workshop III (3P, 2C)	IT Workshop IV (3P, 2C)		
Optional Project 1 (2C)		PR Discipline Project (2C)	IT Discipline Project (2C)	OPR Optional Discipline Project (2C)			
		PC1 Professional Development Course (1C)	PC2 Professional Development Course (1C)	PC3 Professional Development Course (1C)		PC4 Professional Development Course (1C)	
Total Credits 19	19	17	26	18	18	16	15
Credits per year	38		43		36		31
			Total Degree Credits			148	

Note:
1. The credits of Projects (Innovation, Discipline projects) and PDC are allotted/counted in the end of even semester.
2. Discipline core courses/ Open Elective can be of any one of the following structures 3-0-2, 2-2-2, 3-0-0, 3-1-0, 3-1-2 with credit count limit on credit counts.

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Template for 2018 Batch

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7/8	Semester 8/7
NS101 (3L+2T, 4C) Mathematics I	NS103 (3L+2T, 4C) Mathematics II	NS5 (3L+1T, 4C)	ES205 Fundamental of Robotics (2L+2P,4C)	DP1 (1L+6P, 4C) Engineering Design	MN2 (8P, 4C) Fabrication Project	OE4 (3C)	Project-based Internship (15C) (PBI: Optional in 7th semester) OR BTP (09C) + 2 OEs (3-0-0-3) (Total: 6C)
NS102 (3L+1T+2P, 4C) Engineering Mechanics	NS104 (3L+1T+2P, 5C) Electrodynamics and Optics	ES4 Digital Electronics (3L,4C)	MS201: Management Concept and Technology (3L,4C)	DC6 (3C/4C)	OE1 (3C)	OE5 (3C)	
HS101 (1L+2T, 2C) Effective Communications Skills	HS102 (2L+2T, 2C) Culture and Human Values	MN201 Manufacturing Process (2L+2P,4C)	PC3 (3L+1T,4C)	DC7 (3C/4C)	OE2 (3C)	OE6 (3C)	
ES101 (2L+3P, 5C) Fundamental of Electrical and Electronics Engg.	DS101 (1L+3P, 3C) Engineering Graphics	PC1 (3L+2P,5C)	PC4 (3L,4C)	DC8 (3C)	OE3 (3C)	OE7 (3C)	
ES102 (2L+2P, 4C) Fundamental of Computing	ES103 (3L+2P, 5C) Data Structure and Algorithm	PC2 (2L,2C)	PC5 (2L,2C)	DC9 (3C)	HS3 (2L, 2C) Ecology and Environment Sc.	OE8 (3C)	
			PL1 (3P,2C)	ITeWorkshop III (3P, 2C)	IT Workshop IV (3P, 2C)		
Optional Project 1 (2C)		Optional Project 1 (2C)		OPR Optional Discipline Project (2C)	Optional Discipline Project 1 (2C)		
				PDC3 Professional Development Course (1C)		PDC4 Professional Development Course (1C)	
Total Credits 19	19	19	20	20	18	16	15
Credits per year 38		39		38		31	
Total Degree Credits						146	

Note:
1. The credits of Projects (Innovation, Discipline projects) and PDC are allotted/counted in the end of even semester.
2. Discipline core courses/ Open Elective can be of any one of the following structures 3-0-2, 2-2-2, 3-0-0, 3-1-0, 3-1-2 with credit count limit on credit counts.

Template for 2017 Batch

Semester-1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7/8	Semester 8/7
NS101 (3L+2T, 4C) Mathematics 1	NS103 (3L+2T, 4C) Mathematics II	NS5 (3L+1T, 4C)	ES205 (2L+2P,4C) Fundamental of Robotics	DS302 (2L+4P, 5C) Engineering Design	HS3 (3L,4C) HS Open Elective	OE1 (3C)	Project-based Internship (15C) *(PBI: Optional in 7th semester)*
NS102 (3L+1T+2P, 4C) Engineering Mechanics	NS104 (3L+1T+2P, 5C) Electrodynamics and Optics	ES204 (5L,4C) Digital Electronics	MS201 (3L,4C) Management Concept and Technology	PC6 (4C)	PC9 (4C)	OE2 (3C)	OR
HS101 (1L+2T, 2C) Effective Communications Skills	HS102 (2L+2T, 2C) Culture and Human Values	MN201 (2L+2P,4C) Manufacturing Process	PC3 (3L+1T,4C)	PC7 (4C)	PE2 (4C)	OE3 (3C)	BTP (09C) + 2 OEs (3-0-0-3) (Total: 6C)
ES101 (2L+3P, 5C) Fundamental of Electrical and Electronics Engg.	DS101 (1L+3P, 3C) Engineering Graphics	PC1 (3L+2P,5C)	PC4 (3L,4C)	PC8 (4C)	PE3 (4C)	OE4 (3C)	
ES102 (2L+2P, 4C) Fundamental of Computing	ES103 (3L+2P, 5C) Data Structure and Algorithm	PC2 (2L,2C)	PC5 (2L,2C)	PE1 (2C)	HS304 (2L, 2C) Ecology and Environment Science	OE5 (3C)	
			PL1 (3P,2C)	PL2 (3P,2C)	PL3 (3P,2C)		
Optional Project 1 (2C)	Optional Project 1 (2C)	Optional Project 1 (2C)	Optional Project 1 (2C)	OPR Optional Discipline Project (2C)			
				PC3 Professional Development Course (1C)		PC4 Professional Development Course (1C)	
Total Credits 19	19	15	20	21	21	16	15
Credits per year 38		39		42		31	
Total Degree Credits 150							

Note:

1. The credits of Projects (Innovation, Discipline projects) and PDC are allotted/counted in the end of even semester.

2. Discipline core courses/ Open Elective can be of any one of the following structures 3-0-2, 2-2-2, 3-0-0, 3-1-0, 3-1-2 with credit count limit on credit counts.

Credit requirement for Masters' and Ph.D. program effective from August 2020:

	M.Tech.	M.Des.	Ph.D. in Engg [after ME/ MTech/ MDes]	Ph.D. in NS [after M.Sc./ MA]	Integrated Ph.D./ Ph.D. in Engg. [after B.Tech./ B.E./]
Minimum total number of credits$^\$$	27	53	18	18	36
Minimum number of credits through the course work	21	45	12	12	30
Maximum duration to complete the course work	3 semesters	3 semesters	2 semesters	2 semesters	4 semesters
Minimum number of credits through Graduate/Progress Seminar (each 2 credits)	04	04	06	06	06
Credits through Summer Internship	-	02	--	--	--
Credits through Professional Development courses	02	02	--	--	--

'All PhD students must complete a course on teaching pedagogy course through SWAYAM or in-house mode.

& The Masters' students will be advised to attend the professional development courses running for the UG students to enhance their personality.

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Action taken report for the 45th Meeting of the Senate held on August 06, 2020

S. No.		Agenda Items	Remarks
1	Senate/45/04	Academic performance report for the last semester (Semester II, 2019-20)	Implemented
2	Senate/45/05	Start of next semester and finalization of Academic calendar	Implemented
3	Senate/45/06	Revised curriculum effective from August 2020	Notified, No. IIITDMJ/AR (Acad.)/2020/10/1586, dated 15-10-2020
4	Senate/45/07	Modifications in the guidelines for the Masters and Ph.D. programs	Notified, No. IIITDMJ/AR (Acad.)/2020/10/1596-97, dated 19-10-2020
5	Senate/45/08	Modified SWAYAM policy and guidelines	Notified, No. IIITDMJ/AR (Acad.)/2020/10/1411, dated 20-08-2020
6	Senate/45/09	Modification in the policy of Academic Dishonesty	Item Deferred
7	Senate/45/10	Confirmation of Degree for next Convocation	Recommended to the Board
8	Senate/45/11	Change of grading pattern for the Ph.D.	Notified, No. IIITDMJ/AR (Acad.)/2020/10/1585, dated 15-10-2020
9	Senate/45/12	Modified Provisional Degree Certificate	Notified, No. IIITDMJ/AR (Acad.)/2020/10/1587, dated 15-10-2020
10	Senate/45/14.1	Attendance requirement for the current semester	Implemented
11	Senate/45/14.2	Modification in clause 7.10.14 PG manual	Not action required in view of 14.2
12	Senate/45/14.3	Number of examiner for PhD thesis evaluation	Recommended to the Board
13	Senate/45/14.4	Panel of Examiner for PhD thesis	Recommended to the Board

Annexure III

Proposed Seat Matrix for session 2021-22

Program	Discipline	Specialization	OP	OPPH	EWS	EWSPH	OB	OBPH	SC	SCPH	ST	STPH	Total
B.Tech.	Computer Science & Engineering	Gender-Neutral	84	5	21	1	56	3	31	2	16	1	**220**
		Female-only (including Supernumerary)	12	1	3	0	7	1	4	0	2	0	**30**
	Electronics and Communication Engineering	Gender-Neutral	43	2	10	1	29	1	15	1	7	1	**110**
		Female-only (including Supernumerary)	7	0	1	0	4	0	3	0	1	0	**16**
	Mechanical Engineering	Gender-Neutral	21	1	5	1	14	1	8	0	4	0	**55**
		Female-only (including Supernumerary)	3	0	1	0	2	0	1	0	1	0	**8**
	Smart Manufacturing	Gender-Neutral	21	1	5	0	14	1	9	0	4	0	**55**
		Female-only (including Supernumerary)	3	0	1	0	2	0	1	0	1	0	**8**
	Total	Gender-Neutral	169	9	41	3	113	6	63	3	31	2	**440**
		Female-only (including Supernumerary)	25	1	6	0	15	1	9	0	5	0	**62**
Grand Total B.Tech.	Grand Total		194	10	47	3	128	7	72	3	36	2	**502**
BDes	Design		25	1	7	0	17	1	9	1	5	0	66

PG (Masters level)

Level	Program	Specialization											
M.Tech. (Through CCMT)	Computer Science and Engineering	Computer Science and Engineering	8	1	2	1	6	0	3	1	2	0	24
	Electronics and Communication Engineering	Microwave and Communication Engineering	3	1	1	0	3	0	2	0	1	0	11
		Power and Control	4	0	1	0	3	0	2	0	1	0	11
		Micro Nano Electonics	5	0	1	0	3	1	2	0	0	0	12
	Mechanical Engineering	CAD-CAM	4	0	1	0	3	0	2	0	1	0	11
		Design	4	1	1	0	3	0	2	0	1	0	12
		Manufacturing	4	0	1	0	3	0	2	0	1	0	11
	Mechatronics	Mechatronics	5	0	1	0	4	0	2	0	0	1	13
	Total through CCMT		37	3	9	1	28	1	17	1	7	1	105
M.Tech. (Institute Level)	Computer Science and Engineering	Computer Science and Engineering	4	0	0	0	2	0	1	0	1	0	8
	Electronics and Communication Engineering	Microwave and Communication Engineering	2	0	0	0	1	0	0	0	1	0	4
		Power and Control	2	0	0	0	1	0	1	0	0	0	4
		Micro Nano Electonics	1	0	1	0	1	0	0	0	0	0	3
	Mechanical Engineering	CAD-CAM	2	0	1	0	1	0	0	0	0	0	4
		Design	2	0	0	0	0	1	0	0	0	0	3
		Manufacturing	2	0	1	0	1	0	0	0	0	0	4
	Mechatronics	Mechatronics	2	0	1	0	1	0	1	0	0	0	5
	Total through Institute Level		17	0	4	0	8	1	3	0	2	0	35
M.Tech. (Total)	Computer Science and Engineering	Computer Science and Engineering	12	1	2	1	8	0	4	1	3	0	32
	Electronics and Communication Engineering	Microwave and Communication Engineering	5	1	1	0	4	0	2	0	2	0	15
		Power and Control	6	0	1	0	4	0	3	0	1	0	15
		Micro Nano Electonics	6	0	2	0	4	1	2	0	0	0	15

		1	2	3	4	5	6	7	8	9	10	Total
Mechanical Engineering	CAD-CAM	6	0	2	0	4	0	2	0	1	0	15
	Design	6	1	1	0	3	1	2	0	1	0	15
	Manufacturing	6	0	2	0	4	0	2	0	1	0	15
Mechatronics	Mechatronics	7	0	2	0	5	0	3	0	0	1	18
Total for M.Tech.		**54**	**3**	**13**	**1**	**36**	**2**	**20**	**1**	**9**	**1**	**140**
M.Des.	Design	14	1	4	0	10	0	6	0	3	0	38

Ph.D.

		1	2	3	4	5	6	7	8	9	10	Total
PhD	Computer Science & Engineering	13	0	3	0	8	0	4	0	2	0	30
	Electronics and Communication Engineering	13	0	3	0	7	1	4	0	2	0	30
	Mechanical Engineering	11	1	3	0	7	1	5	0	2	0	30
	Design	3	0	1	0	3	0	2	0	0	1	10
	Physics	3	1	1	0	2	0	2	0	1	0	10
	Mathmatics	3	1	1	0	3	0	1	0	1	0	10
	English	2	0	0	0	2	0	0	1	0	0	5
	Total	**48**	**3**	**12**	**0**	**32**	**2**	**18**	**1**	**8**	**1**	**125**

Total

	1	2	3	4	5	6	7	8	9	10	Total
Over all Total	**335**	**18**	**83**	**4**	**223**	**12**	**125**	**6**	**61**	**4**	**871**

List of Proposed Seat Matrix and Fee Structure for Study In India Program

Srno	Program Level	Qualification	Course of Study	Total seats	100% waiver seats	50% waiver seats	25% waiver seats	No waiver	Annual Tution Fees (non SAARC)	Annual Tution Fees (SAARC)	Annual Total Fees (non SAARC)	Annual Total Fees (SAARC)
1	Ph.D.	Ph.D.	Computer Science and Engineering	2	0	0	1	1	1250	1000	1750	1500
2		Ph.D.	Electronics and communication Engineering	2	0	0	1	1				
3		Ph.D.	Mechanical Engineering	2	0	0	1	1				
4		Ph.D.	Design	1	0	0	0	1				
5		Ph.D.	Natural Science (Physics)	1	0	0	0	1				
6		Ph.D.	Natural Science (Maths)	1	0	0	0	1				
7		Ph.D.	English	1	0	0	0	1				
8	Post Graduate (PG)	Master of Technology (M.Tech)	Mechatronics	3	0	0	1	2	2200	1800	2700	2300
9		Master of Design (M.Des)	Design	3	0	0	1	2				
10		Master of Technology (M.Tech)	Mechanical Engineering	5	0	0	2	3				
11		Master of Technology (M.Tech)	Electronics and Communication Engineering	5	0	0	2	3				

No.	Program		Discipline						Fee
12	Master of Technology (M.Tech)		Computer Science and Engineering	5	0	0	2	3	2500
13	Bachelor of Design (B.Des)	Under Graduate (UG)	Design	5	0	0	2	3	3000
14	Bachelor of Technology (B.Tech)		Mechanical Engineering	4	0	0	1	3	2000
15	Bachelor of Technology (B.Tech)		Electronics and Communication Engineering	8	0	0	3	5	2500
16	Bachelor of Technology (B.Tech)		Computer Science and Engineering	8	0	0	3	5	
17	Bachelor of Technology (B.Tech)		Smart Manufacturing	4	0	0	2	2	
	Total			60	0	0	22	38	

Proposed Fee Structure for Session 2021-22

Details of fee to be paid by B.Tech./B.Des. Students (2020-2021)

A. One-time payment at the time of admission		
S.No.	Head	Amount in Rs.
1	Admission	2000
2	Grade Card	2000
3	Provisional Certificate	500
4	Alumni Association Subscription	1500
5	I Card	500
6	Career Development Fund	2000
7	Student's Welfare	2000
8	Caution Money (Refundable)	3000
Total One Time Fees		**13500**
Semester Fees		
B. Semester Fess (Academics)		
S.No.	Head	Amount in Rs.
1	Tuition Fees	65220
2	Gymkhana Fee	2000
3	Examination Fee	1500
4	Registration Fee	1500
5	Medical Insurance + PHC	1500
6	Internet and computer Charge	1000
Total Semester Fees (Academics)		**72720 (Per Semester)**
C. Semester Fess (Hostels)		
S.No.	Head	Amount in Rs.
1	Hostel Fees#	11000
Total Semester Fess (Hostel)		**11000 (Per Semester)**
#Includes fan/electricity charges and hall establishment charges. For cooler extra fees to be paid.		
Grand Total against Semester Fees (B+C) (per Semester)		
1	General, OBC and EWS	83720
2	SC/ST with parent income more than 2 Lacs*	18500
3	SC/ST with parent income less than 2 Lacs**	13000
Grand Total against Institute Fees (A+B+C) including one time charge to be deposited at the time of admission except Mess Fees		
1	General, OBC and EWS	97220
2	SC/ST with parent income more than 2 Lacs*	32000
3	SC/ST with parent income less than 2 Lacs**	26500
*All SC/ST students are exempted from payment of tuition fee ** SC/ST candidates whose Parent's/ Guardian's annual income is less than Rs. 2,00,000/- will be exempted from payment of 50% of Hostel Fees		
D. Semester Fees (Mess)		
S.No.	Head	Amount

1	Mess Advance (Adjustable as per actual & to be deposited separately at the time of physical reporting)	14000 (Per Semester)

Grand Total	
	Amount in Rs.
General, OBC and EWS	111220
SC/ST with parent income more than 2 Lacs*	46000
SC/ST with parent income less than 2 Lacs**	40500

Details of fee to be paid by M.Tech./M.Des. Students (2020-2021)

A. One-time payment at the time of admission		
S.No.	Head	Amount in Rs.
1	Admission	2000
2	Grade Card	1000
3	Provisional Certificate	500
4	Alumni Association Subscription	1500
5	I Card	500
6	Career Development Fund	2000
7	Student's Welfare	2000
8	Caution Money	5000
	Total One Time Fees	14500

Semester Fees

B. Semester Fess (Academics)		
S.No.	Head	Amount in Rs.
1	Tuition Fees	60500
2	Gymkhana Fee	2000
3	Examination Fee	1500
4	Registration Fee	1500
5	Medical Insurance + PHC	1500
6	Internet and computer Charge	1000
	Total Semester Fees (Academics)	68000 (Per Semester)

C. Semester Fess (Hostels)		
S.No.	Head	Amount in Rs.
1	Hostel Fees#	11000
	Total Semester Fess (Hostel)	11000 (Per Semester)

#Includes fan/electricity charges and hall establishment charges. For cooler extra fees to be paid.

Grand Total against Semester Fees (B+C)		
1	General, OBC and EWS	79000 (Per Semester)
2	SC/ST with parent income more than 2 Lacs*	18500 (Per Semester)
3	SC/ST with parent income less than 2 Lacs**	13000 (Per Semester)

Grand Total against Institute Fees (A+B+C) including one time charge to be deposited at the time of admission except Mess Fees

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1	General, OBC and EWS	93500
2	SC/ST with parent income more than 2 Lacs*	33000
3	SC/ST with parent income less than 2 Lacs**	27500

*All SC/ST students are exempted from payment of tuition fee
** SC/ST candidates whose Parent's/ Guardian's annual income is less than Rs. 2,00,000/- will be exempted from payment of 50% of Hostel Fees

D. Semester Fees (Mess)

S.No.	Head	Amount
1	Mess Advance (Adjustable as per actual & to be deposited separately at the time of physical reporting)	14000 (Per Semester)

Grand Total

	Amount in Rs.
General, OBC and EWS	107500
SC/ST with parent income more than 2 Lacs*	47000
SC/ST with parent income less than 2 Lacs**	41500

Details of fee to be paid by Ph.D. Students (2020-2021)

A. One-time payment at the time of admission		
S.No.	Head	Amount in Rs.
1	Admission	2000
2	Grade Card	2000
3	Provisional Certificate	500
4	Alumni Association Subscription	1500
5	I Card	500
6	Career Development Fund	2000
7	Student's Welfare	2000
8	Caution Money	5000
	Total One Time Fees	**15500**

Semester Fees

B. Semester Fess (Academics)		
S.No.	Head	Amount in Rs.
1	Tuition Fees	20600
2	Gymkhana Fee	2000
3	Examination Fee	1500
4	Registration Fee	1500
5	Medical Insurance + PHC	1500
6	Internet and computer Charge	1000
	Total Semester Fees (Academics)	**28100** (Per Semester)

C. Semester Fess (Hostels)		
S.No.	Head	Amount in Rs.
1	Hostel Fees#	11000
	Total Semester Fess (Hostel)	**11000** (Per Semester)

#Includes fan/electricity charges and hall establishment charges. For cooler extra fees to be paid.

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	Grand Total against Semester Fees (B+C)	
1	General, OBC and EWS	39100 (Per Semester)
2	SC/ST with parent income more than 2 Lacs*	18500 (Per Semester)
3	SC/ST with parent income less than 2 Lacs**	13000 (Per Semester)
Grand Total against Institute Fees (A+B+C) including one time charge to be deposited at the time of admission except Mess Fees	
1	General, OBC and EWS	54600
2	SC/ST with parent income more than 2 Lacs*	34000
3	SC/ST with parent income less than 2 Lacs**	28500

*All SC/ST students are exempted from payment of tuition fee
** SC/ST candidates whose Parent's/ Guardian's annual income is less than Rs. 2,00,000/- will be exempted from payment of 50% of Hostel Fees

D. Semester Fees (Mess)	
S.No.	Head	Amount
1	Mess Advance (Adjustable as per actual & to be deposited separately at the time of physical reporting)	14000 (Per Semester)

Grand Total	
		Amount in Rs.
	General, OBC and EWS	68600
	SC/ST with parent income more than 2 Lacs*	48000
	SC/ST with parent income less than 2 Lacs**	42500

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