

Agenda Notes

50th Meeting *of the* **Senate**

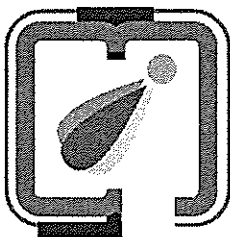
Venue of the meeting:

Conference Hall, Administrative Building,
PDPM-IIITDM, Jabalpur

Date and Time of the Meeting:

July 16, 2022 (Saturday)

At 11:00 am



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

PDPM

Agenda 50th Meeting of the Senate
to be held on July 16, 2022 at 11:00 am in Institute Conference Room

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Senate/50/01	Overview Report by the Chairperson of the Senate
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The Chairperson Senate will present overview report during the meeting.

Senate/50/02	Confirmation of Minutes of the 49th meeting of the Senate held on February 28, 2022
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Minutes of the 49th meeting of the Senate were circulated to the members (**Annexure I**). No suggestions/ comments were received.

The Senate is requested to confirm the Minutes.

Senate/50/03	Action taken report on the decision of the Senate vide 49th meeting of the Senate held on February 28, 2022
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Action taken report on the 49th meeting of the Senate is placed before the Senate as **Annexure II**.

Senate/50/04	Confirmation of the list of students receiving degree in the 11th convocation
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The list of students who become eligible to receive the degree in the 11th Convocation will be placed before the Senate during the meeting. The students became eligible due to following reasons:

1. Passing out UG batch of 2018 batch.
2. Passing out Master's students of 2020 batch who have successfully defended their thesis.
3. Ph.D. students who have successfully defended their thesis after the last approval and became eligible for the award of degree.

The Senate is requested to recommend the same to the BoG for approval.

Senate/50/05	Approval of the modified PhD manual
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A committee was constituted to modify the PhD manual. The committee has submitted the revised PhD manual. The same is placed before the Senate as **Annexure III** for the approval.

Senate/50/06	Proposal to split M.Tech. program in two categories: M.Tech. by Research and M.Tech. by Project
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A proposal is received to split the M.Tech. programs in two categories in view of the internship opportunities to the Master's students. The students can opt for any one category at the end of first year.

1. M.Tech. by Research:

The students will be carrying out research work at the Institute. They will be carrying out the research under the guidance of one or two faculty members of the Institute. At least one should be from the concerned discipline. The student needs to submit the thesis for evaluation to the discipline as per the guidelines. The work of the student will be evaluated by a committee, which includes PGPC of the student and one external examiner. The students will get SPI based on the marks allotted by the supervisor (in case of two supervisor each supervisor will award marks out of 25) and external examiner as per already approved guidelines. Each will be awarding marks out of 50 and based on total marks SPI will be awarded to the student. The total credits will be 16 for the research work carried out by the student.

2. M.Tech. by Project:

Student getting the internship in the III semester or IV Semester of their M.Tech. program may opt for this category. In this case the student carry out the internship at the Industry/ Institute of National Importance/ Public Sector Units/ Defense Industry on approval of the Dean Academic based on the recommendation of the Convener DPGC. On completion of the Internship the student shall report back at the Institute and shall submit the thesis or a brief report of the work carried out by him (in case of non-disclosure

agreement) and need to appear for the defense examination. The work of the student will be evaluated by a committee, which includes PGPC of the student and one external examiner. On successful defense of the work, the student will become eligible for the award of M.Tech. degree. Such students shall have one supervisor from the concerned discipline and one from the Industry/ Organization/ Institute where Internship will be carried out. In this case the work will be evaluated as “Satisfactory (S)” or “Not Satisfactory (X)”.

In case a student gets only one semester internship, he has to opt for the research work in the other semester and complete the research work within that semester. The student has to defend both internship and research work and will be awarded “S” or “X” grade.

The Senate is requested to approve the proposal.

Senate/50/07	Clarification related to the MCM scholarship
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The Senate in its 42nd meeting amended the rules related to MCM scholarship. There is some confusion related to the point number 6 which states

“The number of scholarship will be limited to 20% of the batch strength in each discipline and will be reduced by 5% every year to limit to 10% of the batch strength”.

The confusion is whether 5% every year is applicable for the same batch or it is batch wise. The senate is requested to modify the point number 6 as:

“The number of scholarship will be limited to 20% of the batch strength in each discipline and will be reduced by 5% every year to limit to 10% of the batch strength as per the following table:

Batch 2020 – 20% of batch strength in each discipline

Batch 2021 – 15% of batch strength in each discipline

Batch 2022 and onwards – 10% of batch strength in each discipline”.

Senate/50/08	Extension of Appointment of Prof. M. Rahman as visiting professor
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Prof. Rahman, Emeritus Professor of NUS Singapore was appointed as visiting professor in Mechanical Engineering. His extension is ending on September 23, 2022. It is proposed to extend his term by another two years.

Senate/50/09	No requirement of specialized degree at UG level for admission to M. Tech. Program
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The NEP encourages students to go for multidisciplinary study. In order to encourage the same it is propose to allow students having B.Tech. / B.E. in any discipline may be allowed to take admission in any of the discipline. However, such students must have cleared GATE in the specialisation as proposed by the corresponding discipline. For example, students seeking admission to Computer Science and Engineering must have qualified GATE in Computer Science and Information Technology.

Senate is requested to consider the proposal and approve it.

Senate/50/10	Joint efforts of CFIITs towards NEP
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Minutes of the joint meeting of Deans of Academic Affairs is attached herewith as **Annexure – IV** for consideration for the Senate.

Senate/50/11	Ratification to the approval by Chairperson Senate
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List of approval from time to time by the Chairperson Senate will be placed before the Senate during the meeting.

Senate/50/12	Any other item with the permission of the Chair
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Minutes of 49th Meeting of the Senate held February 28, 2022 from 12.00 pm onwards in the Conference Hall of Admin Block of PDPM IIITDM Jabalpur.

Members present:

Prof. P. N. Kondekar	Chairman
Prof. Tanuja Sheorey	Member
Prof. Vijay K. Gupta	Member
Prof. P. K. Padhy	Member
Prof. Prashant K. Jain	Member
Dr. Anil Kumar	Member
Dr. Mukesh K. Roy	Member
Prof. Puneet Tandon	Member
Dr. Sunil Agrawal	Member
Prof. Aparajita Ojha	Member
Prof. Dinesh Kumar V.	Member
Prof. Pritee Khanna	Member
Dr. Rakesh Kumar Jha	Special Invitee
Smt. Swapnali D. Gadekar	Acting Registrar & Secretary (Senate)

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

Dr. Prabir Mukhopadhyay
Prof. Atul Gupta
Prof. Sanjeev N. Sharma
Prof. B. K. Chakarvarthy
Dr. K. K. Biswas
Dr. Sushil Kumar
Dr. Jitendra Chaddah
Shri C. M. Venugopalan
Shri Rajeev K. Singh

Senate/49/01	Opening remarks by the Chairperson, Senate
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The Chairperson, Senate apprised the members that the Institute is moving towards opening in physical mode. He also informed that this Senate is conducted in paperless mode to save the environment. He also thanked the faculty of the Institute for taking the pains in conducting the online classes and evaluation without compromising the quality.

Senate/49/02	Confirmation of the minutes of the 48 th Meeting of the Senate held on November 9, 2021.
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The minutes of the 48th meeting of the Senate held on November 9, 2021 were circulated to the members. No comments were received. The Senate confirmed the minutes of its 48th meeting held on November 9, 2021.

Senate/49/03	Action taken report on the decision of the 48 th Meeting of the Senate.
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Action taken report on the decisions taken in 48th meeting was presented. Following additional action points were decided by the Senate:

- 3.1 **(Senate/48/04)** As the Institute could not conduct the Convocation it is proposed that Convocation for the year 2021 and 2022 can be combined and can be held in July 2022. In case some students require degree, he/she may be issued degree as per the decision of the 48th meeting of the Senate.
- 3.2 **(Senate/48/05)** The student receiving the prizes and award is still not received. The Senate emphasized to speed up the same and also decided that the responsibility for the SPACS convener be given to Dr. Rakesh Kumar Jha.
- 3.3 **(Senate/48/06)** Action is still pending with respect to point (d) and (f) and requires urgent action.
- 3.4 **(Senate/48/10)** Following committee will go through the PhD manual once again to sort out the issues arising:
 - a. Prof. Vijay Kumar Gupta – PIC Academic as Chairman
 - b. Prof. Prabin Kumar Padhy – Ex Dean Academic
 - c. Prof. Atul Gupta – Head CSE
 - d. Dr. Sunil Agrawal – Head LA

The committee will submit revisions within one month. The Senate authorized the Chairperson Senate to approve the modifications.

- 3.5 **(Senate/48/11)** The Senate decided to run the courses in A/B mode for first year where courses are not in sequence i.e. for the 2022 batch in first semester course Basic Electronics and Engineering Graphics courses can be run in parallel in both the semester. The Senate authorized Chairperson

Senate to approve the revised curriculum in view of the same. The Senate further decided that for theory courses the class size may be 125 and for the practical courses 60 for the courses based on purely simulation and 30 for the courses where experiments are involved. The numbers are approximate.

Senate/49/04	Replacing the requirement of Swayam course teaching pedagogy course with Teaching Credit
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Brief of Agenda: As per the current Ph.D. manual the Ph.D. students have to do a Swayam Course of 08 weeks on Teaching Pedagogy, but most of the courses on Swayam Portal are of 04 weeks duration only, which does not give sufficient exposure to students in taking classes. In view of the same, it was proposed that the requirement of Teaching Pedagogy course be replaced by teaching credit (2 credits with 'S' or 'X' grade).

Decision: The Senate approved the agenda item.

Senate/49/05	Approval to adopt degree and grade sheet on NAD Digilocker
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Brief of Agenda: It was proposed during the meeting that the degrees of the Institute may be made available at the National Academic Depository (NAD), which is 24X7 online repository for retrieving and accessing all academically essential documents, besides validating, guaranteeing their authenticity and safe storage as well. Also, since the degree and grade sheet format on the NAD Digilocker are quite different from the Institute's format, hence in order to align the current format, Chairperson Senate was requested to approve the nearest possible format for the Institute's Degree and Grade Sheet on NAD Digilocker.

Decision: The Senate in principle recommended the agenda to the BoG and decided that proper modalities need to be worked out.

Senate/49/06	Adoption of ABC
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Brief of Agenda: In order to implement the National Education Policy (NEP) – 2020, Academic Bank of Credit (ABC) has been setup by National Academic Depository (NAD). The purpose of ABC is to provide transfer of credits, multi entry and exit facility to the students.

Decision: The Senate in principle recommended the agenda to the BoG and decided that proper modalities need to be worked out.

Senate/49/07	Uploading of Ph.D thesis on Shodhganga
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Brief of Agenda: As per the NIRF guidelines all Ph.D. thesis should be uploaded on the Shodhganga website and the data for Ph.D. degrees awarded by the Institute will be taken directly from Shodhganga. It was proposed to upload all Ph.D. thesis on the Sodhganga website.

Decision: The Senate approved the agenda for uploading the thesis. Further, the Senate authorized Convener library (Dr. Mukesh Kumar Roy) and Head CC (Prof. Atul Gupta) for the execution of the same.

Senate/49/08	Seat Matrix for session 2022-23
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Brief of Agenda: Seat matrix for admission in various programs for the session 2022-23 was presented before the Senate.

Decision: The Senate recommended the proposed seat matrix for the approval of BoG. At this point there was discussion related to the specialization for the M.Tech. programs in the ECE discipline and it was decided to authorize the Chairperson Senate to finalize the specializations after discussion with the Head of the Discipline and faculty members. The Senate further decided that the specialization of Mechanical Engineering "Smart Manufacturing" be renamed to "Manufacturing and Automation".

Senate/49/09	Fee Structure for Session 2022-23
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Brief of Agenda: In view of the COVID situation the following fee structure was proposed:

Session 2022-23	Proposed fee Structure
Students admitted (India)	No Change for all programs except Master's Program.
Foreign students admitted through (DASA and Study in India Programs)	No change.

For Master's Program students, as per the decision of the IIIT Council 2nd Meeting, the tuition fees is proposed to be Rs. 60,000/- per year in place of Rs. 1,21,000/- presently.

Decision: The Senate recommended the same to the BoG for approval with the modification that the fees structure for the M.Tech. students may also be applicable for the current batch of 2021 in their III and IV semester.

Senate/49/10	Relaxation in the hostel fees to the students for the session 2021-22
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Brief of Agenda: In view of the pandemic situation, physical classes were suspended and online classes were taken, as a result the BOG in 43rd meeting held on August 25, 2020 had approved the reduction on hostel fees for UG students for Semester I and II, 2020-21. The same relaxation in hostel fees has been proposed to be extended for UG students in Semester I and II of 2021-22. In case the classes commences in offline mode, the hostel rent to be charged on pro-rata basis in terms of number of months joined by the students. The relaxation in hostel fees, if approved will be adjusted in the fees for the forthcoming

semester (Semester- I, 2022-23). In case of 2018 batch (Students who are currently in the final year), the fees will be refunded to the.

Decision: The Senate recommended the same to the BoG for approval.

Senate/49/11	Date of Enhancement of Ph.D. Assistantship
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Brief of Agenda: The BOG in its last meeting had approved the adoption of Ministry of Education letter with regard to enhancement of Ph.D. Assistantship. As the date of enhancement of Ph.D. Assistantship was not mentioned, it was proposed that the letter will be adopted from the date of issue by the concerned Ministry and the eligible students will be paid arrears.

Decision: The Senate recommended the same to BoG for approval.

The Senate further emphasized the timely release of the assistantship and decided that the Head of the discipline has to send the eligible cases for release of assistantship to the academic office before 25th of the month so that the assistantship can be released by 1st of the month. If due to some reasons it is delayed it can be send by 10th of the next month for release by 15th of the next month.

Senate/49/12	To start M. Tech. Electronics and Communication Engineering with specialization in "Signal Procession"
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Brief of Agenda: A proposal received from the Discipline of Electronics and Communication Engineering (ECE) to start M.Tech specialization in 'Signal Processing', was placed before the Senate.

Decision: The Senate approved the proposal for specialization in "Signal Processing".

Senate/49/13	To start a new B.Tech programme in "Electrical and Electronics Engineering" with an initial seat matrix of 30.
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Brief of Agenda: A proposal received from the Discipline of Electronics and Communication Engineering to start B.Tech. in Electrical and Electronics Engineering was placed before the Senate.

Decision: The agenda item was deferred.

Senate/49/14	Ratification of the approvals accorded by the Chairperson, Senate.
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Brief of Agenda: Various decisions taken by the Chairperson, Senate were placed before the Senate.

Decision: The Senate ratified the approvals accorded by the Chairperson Senate.

The Senate ratified the approvals accorded by the Chairperson Senate.

15 Any other Item with the permission of Chair

15.1 Electricity Charge for the Nagarjuna Hostel

Following agenda item was placed before the Senate:

For the doctoral students residing in Nagarjuna hostel [PG married hostel], present hostel semester fee is Rs. 15000=00. The same fee for Ph. D. students residing in Panini hostel [accommodation for unmarried PG students] is Rs. 7750=00, inclusive of hostel rent, fan electricity charges and hostel establishment charges. It is proposed the fee to be Rs. 10,500=00, inclusive of hostel seat rent of Rs.5000=00 and hostel establishment charges of Rs. 5500=00. Each flat is equipped with electricity meter. It is proposed to have electricity charges as per actual or minimum of Rs. 200=00, whichever is higher.

The Senate recommended the same to the Board of Governors for consideration.

15.2 Eligibility Condition for the External Supervisor in case of Special Part Time Working Professionals

Following agenda was placed before the Senate:

In some Industries, it is difficult to get the persons with PhD degree for possible supervision. In such cases it is proposed that a person without PhD degree but holding a senior position and having experience of more than 15 years may be appointed as external supervisor. The Institute supervisor will be acting as the main supervisor. It is proposed that such cases to be approved by the Chairperson Senate on recommendation of DPGC and Dean Academic.

The Senate approved the same.

15.3 Modification in the program Ph.D. in English-Eligibility criteria for admission/ award of PhD degree

- a. Master's Degree in English Language, Literature and Linguistics, Journalism and Mass Communication, Cognitive Science, Commerce, Economics, Management, Philosophy, Psychology be allowed to be admitted for PhD English.
- b. UGC- NET (self-sponsored) and JRF (with stipend) in English
- c. GATE in English and Linguistics

- d. Bachelor's in engineering from IITs, NITs, IIITs or any other Institute of National Importance with minimum of 55% or 6 out of 10 grade, be allowed to be admitted for PhD English.

The Senate decided that committee formed for updation of PhD manual will look into the aspects and will give its recommendation.

15.4 Proposing the mandate for the Liberal Arts Discipline

Liberal Arts discipline proposed to establish these specializations for its research programs.

- i. Humanities- English Language and Literature, Cultural Studies, Feminism, Post Humanities, Trauma Studies, Narrative and Memory studies.
- ii. Cognitive Science - Consciousness Studies.
- iii. Management- Supply chain Management, Economics, Financial Management, Entrepreneurship, Human Resource Management, Human Refinement Studies.

The Senate decided that the same be discussed with the experts from IITs, Tata Institute of Social Sciences and other Institute offering Liberal Art programs and based on their feedback, the mandate of the discipline be decided.

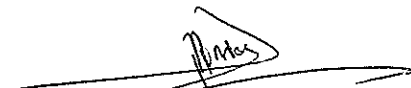
15.5 Proposing a new program - M.S. in Cognitive Science


Proposal to start the M.S. in Cognitive Science was received from the discipline of Liberal Arts. The Senate did not agree with the proposal by keeping the mandate of the institute in mind.

15.6 Proposing a new program - Ph.D. in Management- Eligibility criteria for admission

The Senate deferred the agenda in view of the agenda 15.4.

The meeting ended with thanks to the Chair.


Prof. P. N. Kondekar
Chairperson, Senate


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

Action Taken Report on the Decisions of 49th Meeting of SENATE

Senate/49/04	Replacing the requirement of Swayam Course teaching pedagogy course with Teaching Credit:	Notified vide No. IIITDMJ/RO/2020/03/2127, dated : March 30, 2022
Senate/49/05	Approval to adopt degree and grade sheet on NAD Digilocker	Matter referred to BOG and the same was approved. Institute has already started uploading degrees on the Digi locker website.
Senate/49/06	Adoption of ABC	Matter referred to BOG and the same was approved. Institute has got registered with ABC on Digi locker portal.
Senate/49/07	Uploading of PhD thesis on Shodhganga	Notified vide No. IIITDMJ/RO/2020/03/2121, dated : March 30, 2022.
Senate/49/08	Seat Matrix for session 2022-23	Implemented
Senate/49/09	Fee Structure for Session 2022-23	Matter referred to BOG and implemented. Fee structure of MTech/MDes has been modified as per the amended minutes of IIIT Council and implemented.
Senate/49/10	Relaxation in the hostel fees to the students for the session 2021-22	Matter referred to BOG. Recommendation of the Senate were placed before the BoG and approved.
Senate/49/11	Date of Enhancement of PhD Assistantship	Matter referred to BOG
Senate/49/12	To start M.Tech. Electronics and Communication Engineering with Specialization in "Signal Processing"	The Board decided to run the programme in the name of "Communication & Signal Processing". Implemented.
Senate/49/13	To start a new B.Tech programme in "Electrical and Electronics Engineering" with an initial seat matrix of 30	Agenda deferred
Senate/49/15.1	Electricity charges for the Nagarjuna Hostel	Matter referred to BOG
Senate/49/15.2	Eligibility condition for the external supervisor in case of special part time working professional	Notified vide No. IIITDMJ/RO/2020/03/2126, dated : March 30, 2022
Senate/49/15.3	Modification in the program PhD in English Eligibility criteria for admission/ award of PhD Degree	Agenda deferred.
Senate/49/15.4	Proposing the mandate for the Liberal Arts Discipline	Agenda deferred.
Senate/49/15.5	Proposing a new Program –M.S. in Cognitive Science	Agenda deferred.

Ph.D. Guidelines

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Preamble:

This document summarizes the rules and regulations for the award of the Ph.D. degree of the PDDM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur. For the award of the Ph.D. degree it is mandatory that the candidate files at least one patent/ design registration out of the Ph.D. work (not applicable for the students registered with NS and LA disciplines) and publish at least one paper in the SCI/SCIE/SSCI/SSCIE/ESCI indexed journal (Q1-ranking) or two papers in the SCI/SCIE/SSCI/SSCIE/ ESCI indexed journal (Q2-ranking). The ranking will be considered at the date of publication of the paper. AHCI?? (applicable for 2020 batch onwards).

1. Admissions:

Admissions to the Ph.D. program will be carried out based on the recommendation of the selection committee, Chairperson DPGC and approved by the Dean Academic. The selection committee will be constituted by the Head of the Discipline.

Admissions to the Ph.D. program will be offered under the following categories:

- I. FULL TIME with Institute financial Support
 - a. Institute Assistantship (IA)

- II. FULL TIME without Institute Financial support
 - a. Semi Govt. Fellowship Award (FA) (MeitY, CSIR, UGC, DAE, DST, DBT, NBHM, etc.)
 - b. Sponsored Candidates (SW)
 - c. Quality Improvement Program (QIP)Admission to foreign students will be offered under this category only.

III. PART TIME

- i. Institute Staff (IS), for Institute Staff of IIITDM Jabalpur
- ii. Project Staff (PS), for Project Staff of IIITDM Jabalpur
- iii. External candidates, sponsored by recognized R&D organizations/ industry (EX)
- iv. Special Ph.D. programme for Working Professionals (SWP)

1.1 Eligibility for Admissions

- a) A minimum of 60 percent marks OR a CPI/CGPA of 6.0 (on the scale of 10.00) shall be required at the Master's level qualifying examination (M.Tech./ M.E. /M.Des., etc.) as the specified minimum for admission in a Ph.D. programme for the concerned disciplines. Please see the table below for the eligibility criteria for each discipline.

Ph.D. (Name of the Discipline)	Minimum Qualifications*	Other Essential Requirement
Ph.D. in Computer Science and Engineering	M.E./M.Tech. in (CS/ CSE/ IT/ CE/ CST/ CT/ CSA or in any CS related Subjects like AI/ Software Systems/ Computing/ Machine Learning, etc.) with B.E./ B.Tech. in any discipline/ branch	Qualified GATE in Computer Science and Information Technology (CS) or Engineering Sciences (XE) or CSIR/UGC-JRF
Ph.D. in Electronics and Communication Engineering	M.E./M.Tech. in (EE/ ECE/ PC/ ICE/ MT) or in any EE or ECE related subjects with B.E./ B.Tech. in any discipline/ branch	Qualified GATE in Electrical Engineering (EE) or Electronics and Communication Engineering (EC) or Instrumentation (IN) or Biomedical Engineering (BM) or Engineering Sciences (XE)
Ph.D. in Mechanical Engineering	M.E./M.Tech. in (ME/ PI/ IPE/ AE/ MT/ SM) or in any ME or PIE related subjects with B.E./B.Tech. in any discipline/ branch	Qualified GATE in Mechanical Engineering (ME) or Production and Industrial Engineering (PI) or Engineering Sciences (XE) or Aeronautical Engineering (AE)
Ph.D. in Design	Master's degree in Design (M.Des.), Technology (M.Tech.) and Architecture (M.Arch.) with B.E./ B.Tech./ B.Des./ B.Arch.	Qualified GATE/CEED
Ph.D. in Natural Science (Physics and Mathematics)	M.Sc./M.Phil. in Physics or Mathematics or relevant area	Qualified GATE or CSIR/UGC-JRF
Ph.D. in Liberal Arts (English)	M.A./M.Phil. in English	Qualified GATE or CSIR/UGC-JRF in English
Ph.D. in Smart Manufacturing	M.E./M.Tech. in (ME/ PI/ IPE/ AE/ MT/ SM/ ECE/ ICE/CSE) or in any ME or PIE or ECE or CSE related subjects with B.E./ B.Tech.	Qualified GATE in Computer Science and Information Technology (CS) or Electrical Engineering (EE) or Electronics and Communication Engineering (EC) or Instrumentation (IN) or Mechanical Engineering (ME) or Production and

		Industrial Engineering (PI) or Engineering Sciences (XE)
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*Minimum duration for such masters' programme shall be two years or the candidate must have completed Integrated Master's Degree or Dual Degree program

- b) Such students must have qualified the GATE/CEED/ (CSIR/UGC-JRF) in the last 10 years only.
- c) Meritorious students having B.E./B.Tech. degree can be admitted for direct admission in Ph.D. program provided such student must have qualified GATE in corresponding discipline in which he is soughting admission. (For details see section 1.4)

1.2 Admission Categories

I (a) Institute Assistantship (IA)

The students having qualified GATE/ CEED/ CSIR/UGC-JRF score will only be admitted under this category. The students admitted under this category are entitled to financial support (Teaching Assistantship), as per the Ministry of Education (MoE) norms. Further, the student is required to assist 8 hours of work per week assigned by the Discipline.

II (a) Fellowship Award (FA)

The fellowship award will be awarded by various Govt./ Semi Govt. agencies. The candidates will be admitted to the category if they have financial support from the Govt./ Semi Govt. agencies such as CSIR, UGC, DAE, DST, DBT, NBHM, MeitY, Digital India, ARDB, AERB, DAE, etc. The candidates under this category may be assigned a teaching assignment per week by the Discipline, as per the requirement of the concerned fellowship agency.

II (b) Sponsored Candidate (SW)

These candidates are sponsored by the Govt. recognized R&D organizations/ industries listed with NSE or SEBI for doing research work in the Institute. Candidates are expected to be relieved for full time research work at the Institute for a minimum period of three years. Students admitted under the category will not receive any financial support from the Institute.

II (c) Quality Improvement Program (QIP)

These candidates are sponsored by their Institutes for doing research work and admitted through the QIP scheme of the AICTE. Candidates are expected to be relieved for full time research work at the Institute for a minimum period of three years. Students admitted under the category will not receive any financial support from the Institute.

III (a) Institute Staff (IS)

This category is only for the persons employed as Institute Staff at IIITDM Jabalpur and the candidate should have worked in the Institute for at least 2 years on a regular position at the time of admission.

III (b) Project Staff (PS)

This category refers to the candidates working as JRF/SRF in a sponsored project undertaken by the faculty of the Institute.

- a. All JRF and SRF appointed in the sponsored research projects having minimum funding for two years may register for the Ph.D. under the supervision of the PI and co-PI of the project. Such candidate must have qualified GATE/UGC-CSIR NET (JRF).
- b. A duly constituted committee as per the norms of the project funding agency must select them.
- c. Such candidates may be converted to regular Ph.D. students (IA category) based on the performance at the end of the project duration. The condition for a maximum of three and half years including the JRF/SRF period will be applicable for giving assistantship/fellowship.
- d. Such candidates shall perform the tasks assigned by the PI of the project during the project duration

III (c) External (EX)

This category refers to a candidate employed in a Govt. recognized R&D organization/industry listed with SEBI or NSE/BSE and having adequate research facilities. The Chairperson Senate shall approve such organizations. The person employed in defense or railway establishment or a company/industry having turnover of Rs. 100 crores with relevant research facility or more at an executive position and have 5 years or more experience in a company is eligible for admission under this category.

- a. Applications of such candidates must be properly forwarded by their parent organizations and the parent organization must submit No Objection Certificate (NOC) to the candidate for carrying out the research work
- b. Such candidates are required to complete the course work and pass the comprehensive examination.
- c. The requirement of GATE/CEED will be waived for such candidates.
- d. Such candidates will be selected by the discipline committee of the concerned discipline for the Ph.D. admission.
- e. For such candidates' requirement of residence in the Institute hostel will be waived. Further, they will be given a waiver for teaching pedagogy course but they need to fulfill all other requirements of Ph.D. programme.

- f. The candidates will have a supervisor from the Institute and one external co-supervisor from the concerned establishment. The external co-supervisor must be a Ph.D. degree holder or have relevant research experience of 10 years or more.

The research work leading to the Ph.D. degree by such students may be carried out largely in the parent organization of the candidate

The Institute shall not be providing any assistantship/ fellowship to such a student.

1.3 Admission Procedure:

Regular/Rolling

1.4 Admission to foreign students:

The Institute will be admitting the students of the foreign nation through

- a. Study in India Program
- b. DASA scheme
- c. Institute level counselling

For such candidates the requirements of mandatory GATE/CEED/JRF and other qualifying exams may be relaxed. He/she must have cleared TOEFL/ IELTS/ Duolingo/ GRE. The candidates may be admitted at any time during the year.

The Institute shall not be providing any assistantship/ fellowship to such a student.

1.5 Direct Admission to Ph.D. after B.Tech.

Students who are currently in their final year in any of the Centrally Funded Technical Institutions (CFTIs) will only be eligible for admission under this category. To be eligible for admission under this category, a candidate is required to have a minimum CPI of at least 8.0 CPI or equivalent (on a scale of 10) at the end of the seventh semester under OPEN and OBC or EWS categories. For SC/ST category students, the minimum CPI requirement will be relaxed to 7.0. A qualified and valid NET(JRF) / GATE/ CEED score is mandatory in this case. They shall be admitted through the same regular admission process as specified for the regular Ph.D. students. Such students will be considered under the Institute Assistance category.

1.6 Other General Information for admission

- a) Relaxation for reserved category in the eligibility requirements shall be as per Govt. of India norms. Currently SC/ST candidates will be given relaxation of 1 point CGPA/CPI or 10% at all stages of selection process.
- b) The institute reserves the right to keep the seats vacant if suitable Ph.D. candidates are not available.

1.7 Conversion of category

A student may apply for conversion of categories (among IA, FA, SW, EX) through RPC, as per the guidelines given below. The Chairperson Senate on the recommendation of the

DPGC and the Dean Academic may give approval for such conversion. The guidelines for conversion are as under

i) A Ph.D. student can convert the category after comprehensive examination. The student should fulfill all the requirements of the category where he wants to convert. No conversion will be made to Institute Assistantship from any other category except for the project staff (PS) category.

ii) Ph.D. External- Self Supported

Ph.D. students in the regular category who got a job offer can get relief from the programme as a special case while keeping their registration alive on payment of required fees every semester if they have completed the following requirements

- Minimum residential requirements
- Required Course Work
- Comprehensive Examination
- First Progress seminar with proper direction of research

The candidate should have applied for the job in knowledge of Ph.D. supervisor(s)

- The candidate must submit a copy of the offer letter from his future employer at the time of application.
- The student must submit a no objection letter from his future employer within one month of joining the job.
- The student must appear for a progress seminar before the Evaluation Board (RPC+ one member of DPGC) in each semester.

2. Residence requirement

2.1 The Institute's programmes are essentially residential ones and unless otherwise exempted/ permitted by Dean Students, every student shall be required to reside in, and be a boarder of a Hall of residence, to which he/she is assigned.

2.2 A student registered under sponsored and fellowship award category shall be required to stay for the required duration as specified by the Institute and the sponsoring organization must specifically undertake to relieve him/her for the said period.

2.3 .

2.4 Students registered under the EX category will not be required to stay in campus but they need to attend all the regular classes, labs, seminars and exams as per the need of their programme.

3. Academic session

3.1 The academic session of the Institute normally begins in the first week of August every year and ends at the end of July. For PhD students it is divided into two parts: Two regular Semesters: July/ August to December and January to July.. The mid-sem recess and summer vacation is not applicable to Ph.D. students.

3.2 The exact dates of all the important events, such as orientation, registration, late registration, the commencement of classes, adding and dropping of courses, submission

of documents, examinations, submissions of grades, conversion of I-grades, vacations, mid-semester recess, etc., during the Academic Session shall be specified in the Academic Calendar of the Institute duly approved by the Senate. The academic calendar is normally brought out before the beginning of a calendar year.

4. Registration and Physical Reporting

- a) A Ph.D. student needs to register in all the semesters, except during the semester break or semester leave, till the submission of a Ph.D. thesis for evaluation on the specified date of physical reporting by paying the Institute Fees.
- b) A student needs to pre-register for the next semester courses and seminars on the dates specified in the academic calendar of the Institute every semester except the semester break.
- c) It is mandatory for all students to physically report on the first day of reporting as laid in the academic calendar. If for some valid reason a student fails to report, she/ he needs to register late after paying late registration fees. However, if a student seeks prior permission to report late on valid grounds, the Dean Academic may allow her/ him to register late without paying the late registration fees till the date of late registration as mentioned in the academic calendar.
- d) Registration in Audit course:
 - i. The Institute encourages students towards extra learning by auditing for an additional number of courses.
 - ii. Adding and dropping of an audit course is permitted only up to the last date of adding/dropping of courses, as given in the Institute's Academic Calendar.
 - iii. Grades when obtained B or above for courses registered for as audit courses shall be displayed on the Grade Sheet of the student for the semester. Grades, when below B will not be displayed on the grade sheet provided the student does not get an "F" grade in the course. However, the grades obtained in the courses registered as audit courses shall not be counted for the calculation of the Semester Performance Index (SPI) or the Cumulative Performance Index (CPI).

5. Course work:

- a) The student needs to complete a minimum of three courses of advanced level as a mandatory requirement in their first semester. Out of the three courses, one course must be on the Research Methodology. The other two courses will be from the research field of Ph.D. as advised by the supervisor/DPGC. In case a student has already completed a course on research methodology during his/her Master's program, they will be given relaxation from the course on research methodology but have to opt for some other course.
- b) In addition, every Ph.D. student has to successfully complete 6 hours of teaching work (3 hours in each semester on a topic assigned by the Instructor) during the whole period of Ph.D. The course will be assigned by the Head of the discipline from among the list of courses proposed by the student. Normally, it is expected to be a basic course in the discipline of the PhD student.
- c) The Senate allows the students to opt for advanced level courses from Swayam or Coursera on the advice of the Supervisor in case a discipline is unable to float the

courses. The approval for opting for such courses will be given by the Chairperson Senate on the recommendation of the DPGC and Dean Academic.

- d) The minimum required CPI from the course work is 7.0. In case a student is not able to achieve a CPI of 7.0 his academic program will be automatically dropped. Candidates with SC/ST category be given relaxation of 0.5 points in CPI.
- e) The courses of the Ph.D. must be graded on 10 point scale and includes A+, A, B+, B, C+, C, D+, D and F.
- f) The seminar and teaching pedagogy course will be evaluated as “S” (satisfactory) or “X” (unsatisfactory) grades.
- g) Ph.D. students will be permitted to register in courses on foreign language communication skills such as Japanese, German or French, as per the availability of foreign language teachers on an audit basis.

6. Attendance during Course Work

- a) Minimum 75% attendance is required in courses.
- b) A course of a student will be dropped if the student fails to secure a minimum of 75% of attendance in the total classes / labs held in that course. The student will be marked “CD” grade in the grade sheet in such a case.
- c) In special circumstances, relaxation may be permitted to the student in attendance, up to 60 % by the Chairperson, Academic Senate on medical or other valid grounds. The Institute doctor must approve the medical certificate produced by the student.
- d) The course instructor will maintain the attendance record regularly and inform the students who fail to satisfy the criterion of 75% of attendance each month through the course web page / general (written) notice.

7. Cancellation of semester registration

Absence for a period of four or more weeks at a stretch or in total during a semester shall result in automatic cancellation of the registration of a student from all the courses in that semester.

8. Minimum credits requirements for the award of Ph.D. Degree:

	Ph.D. [after Masters' programme]	Ph.D. [after B.Tech./ B.E./ B.Des.] or Integrated PhD
Minimum total number of credits	51	66
Minimum number of credits through the course work including research methodology	09	24
Minimum Research Credit	36	36
Minimum number of credits through Progress Seminar after the comprehensive examination	04	04
Teaching Credit	02	02

9. Appointment of Supervisor and Research Progress Committee

- a) There will be a Discipline Post Graduate Committee (DPGC) for each discipline. DPGC will consist of the Head of the discipline as the Chairperson and four senior faculty members of the discipline. The Head of the concerned discipline will constitute the DPGC.
- b) The DPGC will be the administrative unit at the discipline level and will monitor all Ph.D. related activities of the discipline. The role of the DPGC will be:
 - i. The DPGC will be guiding a Ph.D. student in deciding the courses and supervisor(s), after she/he takes admission in the Institute.
 - ii. DPGC will also be monitoring the progress of a student until she/ he decides on a supervisor.
 - iii. A Ph.D. student is required to propose her/his supervisor from the discipline in the first semester of his program on the advice of the DPGC. Normally, preference will be given to the choice of the student in the selection of supervisor within the constraints of the Institute.
 - iv. In case a thesis is marked as major revision by the external examiner. Convener DPGC will go through the response submitted and may suggest changes, if any. In case Convener DPGC is satisfied it will be recommend for the defense.
- c) In the case of doctoral students, Supervisor(s) will the propose members of the RPC (Research Progress Committee). The Convener DPGC will forward the application for the registration of supervisor(s) and RPC to the Dean Academic, who will be the approving authority for the same.
- d) Convener DPGC/ Dean Academic may also add one or two members to the RPC, if required. The RPC will consist of Supervisor(s), at least two faculty members from the discipline in the related field of research and one faculty member from another discipline.
- e) During the period in which the student has not decided the supervisor, Convener DPGC or his nominee will be forwarding all applications of the student related to leave, assistantship or other such matters.
- f) A student may add another supervisor. The other supervisor may be from any discipline of the Institute or any Institute/ industry within India or outside India. For adding the other supervisor, the student will submit a request to the Dean academic through her/his supervisor. Such applications will be recommended by the DPGC to the Dean Academic for final approval.
- g) A student shall not normally have more than two supervisors from the Institute at any given time.
- h) If a student's supervisor proceeds on long leave or resigns/retires or otherwise ceases to be a faculty member of the institute, the supervisor has the responsibility to appoint a co-supervisor or a supervisor in consultation with the student. Nevertheless, in such a case, the supervisor is required to get approval from the Dean Academic for the change. In this case the entire responsibility of the student will lie with the co-supervisor or the

new supervisor, as the case may be.

- i) In exceptional cases, a Ph.D. student may be permitted to change supervisor/co-supervisor on the recommendation of DPGC after obtaining the consent of
 - a) the present supervisor/co-supervisor and
 - b) the proposed supervisor/co-supervisor.

10. Joint supervision

The Institute encourages joint supervision of Ph.D. students. Under joint supervision, supervisors from both institutions (IIITDM Jabalpur and any other Institute) will jointly guide the Ph.D. student to obtain the Ph.D. degree from PDPM IIITDM Jabalpur by satisfying the requirements and quality standards as per the rules and regulations of the Institute.

Following are the requirements for the joint supervision:

- a. A Ph.D. student may interact and work with an approved external Supervisor in a collaborating organization. Students shall require permission from the Dean Academic of PDPM IIITDM Jabalpur.
- b. Such students shall be required to register in each semester as per the registration procedure of IIITDM Jabalpur.
- c. The students are expected to follow the rules of the collaborating institution in case they visit the collaborating Institute but shall continue to be governed by the rules and regulations for the award of Ph.D. degree of the IIITDM Jabalpur.
- d. The student and his/her supervisor will remain in continuous touch with the external supervisor.
- e. Such students are permitted to register as non-degree/visiting students in an Institute other than IIITDM Jabalpur and may transfer the credit. Transfer of credits will be decided on a case-by-case basis by the Chairperson Senate.
- f. Financial Support - The student will be eligible for fellowship support from the IIITDM Jabalpur (the affiliating Institute). Further any travel by the student to the other Institute (from where the other advisor is affiliated) and all related expenditure have to be borne by the student.
- g. When working with the supervisor from outside the Institute, the IP rights will be as decided between the supervisor(s) (internal and external), and the sponsoring agency, if any. Any such arrangement shall be done with the concurrence of the Director of PDPM IIITDM Jabalpur, and shall not interfere with the ability of the student to write his/her thesis and publish the results of the work.

10.1 Role of the Joint Supervisor:

- a. Monitoring and evaluation of the progress of the students in collaboration with supervisor and RPC committee
- b. Guiding the student for her/his research work. Advising her/him so that she/he can

- complete the research work.
- c. In case need be and if a facility is available at Joint Supervisor Institute, the joint supervisor will help the student in conducting the experiments.
 - d. Encourage students for publication of the work, IPR filing and thesis writing.

11. Comprehensive examination:

- a) Students registered in the Doctoral programme must pass a Comprehensive Examination designed to test the overall comprehension of the student in subjects relevant to 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 the minimum specified CPI.
- b) Students must appear for the comprehensive examination within 4 months after the completion of the course work. Any deviation from this will require special approval from the Chairperson Senate on the recommendation of the Chairperson DPGC and the Dean Academic.
- c) The mode of Comprehensive Examination will be oral and focused on the fundamentals related to the research area of the student and plan of research.
- d) The Comprehensive Examination Board of a Doctoral student shall be the same as his/her RPC. The thesis supervisor of the student shall be the Convener of the Comprehensive Examination Board. The oral examination will be conducted in open mode.
- e) The dates for oral examination will be decided by the committee and will be intimated to the academic office through Chairperson DPGC. Any changes in the Comprehensive Examination Board will require approval from Chairperson Senate through the Chairperson DPGC and the Dean Academic.
- f) A student shall be considered to have passed the Comprehensive Examination on the recommendation of the Comprehensive Examination Board and approval of the Dean Academic.
- g) 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 the Chairperson DPGC. The comprehensive report must include RPC members' recommendations on the area of research, fundamentals of the student in the area of research and related areas, problem identification, plan of the research and milestones to be completed, and suggestions for improvement.
- h) Any dispute in the opinion of the Comprehensive Examination Board shall be put up before the Chairperson Senate through the Chairperson DPGC and Dean Academic. The decision of the Chairperson Senate will be final and will be binding to all.
- i) If a student fails in the Comprehensive Examination in his/her first attempt, the same Board that was constituted earlier unless otherwise changed by the Dean Academic on the recommendation of the DPGC shall conduct a second Comprehensive Examination.
- j) 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.

12. Thesis Credits

- a) In every semester a student needs to register for the thesis credits. The thesis credit of 12 credits will be divided in four blocks in a semester. Each block will be equivalent to 3 credits.
- b) The thesis credit will be evaluated by the supervisor as “Satisfactory (S)” or unsatisfactory (X)”.
- c) In case a student register for a course in a semester equivalent block will be reduced from the thesis credit for example one course of 3 credits with 9 credits of thesis credit.

13. Progress Seminar

- d) Progress seminar carries 2 credits each and is required to be registered by all the Doctoral students in each semester of their programmes before the successful completion of the open seminar.
- e) The progress seminar will be evaluated by the RPC committee as “Satisfactory (S)” or unsatisfactory (X)”.

14. Inadequate Academic Performance and Termination of Programme

A student who is not able to get the requisite CPI of 7.0 or got an ‘X’ grade in the progress seminar is considered a deficient student:

- a) A deficient student may be allowed to continue in the programme, by issuing a warning, if
 - i) Her/ his CPI at the end of the first semester is below 7.0 but more than 6.5. Such student has to fulfill the requirement of minimum CPI of 7.0 at the end of II semester
 - or
 - ii) She/ he gets an “X” grade in the progress seminar.
- b) The programme of a Ph.D. student will be terminated, if
 - i) Her/ his CPI at the end of the first semester is below 6.5
 - or
 - ii) Her/ his CPI at the end of the second semester is below 7.0
 - or
 - iii) the RPC of the student recommends ‘X’ grades in the progress seminar for two consecutive semesters. In such a case the student will have an option to change the supervisor and submit a request for the change of supervisor to the Chairperson Senate with the consent of the new supervisor. The Chairperson Senate will form a committee to review the case and the committee will submit its report to the Chairperson Senate. The Chairperson Senate will be the final authority to take the decision for the continuation of the programme of the program. If the Chairperson Senate accepts the appeal, the old supervisor will not have any claim on the work done by the student. (Modified in the 46th Senate meeting)
 - or
 - iv) is absent without authorized leave for a major part of the semester

or

- v) involves herself/ himself, in disciplinary act, in violation of the code of conduct, and Students Advisory Committee of Senate makes a recommendation to that effect.

Such students will be required to leave the Institute with immediate effect without getting any degree.

- c) A student whose programme is either terminated on account of inadequate academic performance or terminated otherwise has the right to appeal to the Chairperson, Senate for reconsideration through the Dean Academic with a justified reason for her/his poor academic performance.
- d) The Senate shall take a final decision after considering all the available inputs. However, the Senate shall not entertain any further appeal for review unless substantial additional information is brought to its notice.

15. Academic leaves

15.1 For the PS/ FA category

For the students admitted under the PS and FA category, the leave will be granted as per the rules of the sponsoring agency.

15.2 For other categories:

15.2.1 Short Leave

Applications for any kind of short leave should be addressed to the Head of the respective discipline for approval. Leave usually must not be availed without prior approval of the Head of the respective discipline. In addition, if a student is going out of campus on leave, she/he must inform the Hostel/concerned authorities. Following leaves are allowed to student

a. Casual Leave:

A student can avail a maximum of 8 days casual leave in a year (4 in each semester) for a valid reason.

b. Medical Leave:

A student can avail a maximum of 15 days leave on medical grounds in a year. Permission to grant leave on medical grounds (without assistantship) exceeding 15 days in a year is to be submitted to the Dean, Academic through Head of the respective discipline. A student who remains on authorized leave of absence due to ill health is required to submit a certificate from a Registered Medical Practitioner (verified by Institute's Medical Officer) to the effect that she/he is sufficiently cured and is fit to resume her/his studies.

c. Vacation Leave:

Maximum of 15 days in a year is allowed to a Ph.D. student during the mid-semester recess or winter/summer vacations of UG students.

d. Temporary Withdrawal / Semester Leave

A student is not normally allowed to withdraw from the academic programme temporarily and is expected to complete her/his studies without any break. However, for bonafide reasons and/or in exceptional circumstances, a student may be allowed to withdraw temporarily on leave of absence or semester leave at the discretion of Dean (Academic) on the recommendation of Head Discipline for an extended period. Such leave of absence(s) shall ordinarily not exceed two semesters with or without break during the entire period of the academic programme. Except for medical reasons, the Semester Leave shall not be granted unless the student has completed at least 2 semesters in the programme.

e. Maternity/Paternity Leave

A married student may avail of Maternity/Paternity Leave as per policy laid down by the government of India from time to time. If supported by a proper medical certificate, leave up to 6 weeks may also be granted to the married female students against miscarriage including medical termination of pregnancy. An absence against maternity/paternity leave beyond the permissible period shall normally entail financial loss.

16. Permission to visit for research at other institution

In order to encourage a student to broaden her/his horizon and gain course/work experience, she/he may be permitted to proceed to other academic institutions/ industry/ research labs in India or abroad as a non-degree student.

- a. Such leave will be granted by the Chairperson Senate on the recommendation of the Dean Academic and Head of the Discipline through Supervisor. The student must have completed the comprehensive examination.
- b. Such students will be given assistantship provided he/she does not receive any fellowship from the organization.
- c. Such students may be allowed to spend up to two semesters in any academic institution of repute/ research lab/ industry in India or abroad with the prior permission of the Chairperson Senate.
- d. Such a student shall make an application to the Dean Academic through the Head of the Discipline giving details of the proposed programme and shall submit a statement of purpose with sufficient information about the institution where she/he has chosen to spend time as a non-degree student along with possible credit transfer.
- e. Dean Academic shall take recommendations of APCS for credit transfer and will place the application to the Chairperson Senate for approval.

17. Open Seminar

- a) Before proceeding to finalize the thesis, each Doctoral student shall be required to deliver an Open Seminar.
- b) A student shall become eligible to give an open seminar after completion of all academic requirements for the Doctoral Programme including thesis work.
- c) A draft copy of the thesis should be submitted by the student through his/her supervisor to the academic office before the approval for the open seminar.
- d) The thesis supervisor/ programme coordinator shall constitute a committee for the open seminar. The committee shall comprise of
 - i. RPC members of the student
 - ii. One nominee of the Dean Academic.

The committee shall be approved by the Dean Academic.

- e) The open seminar, which will be delivered to the faculty and students of the Institute, shall deal with research work done by the Doctoral candidate with the objective of obtaining comments and criticism, if any, which may be incorporated in his/her thesis before its submission. The final decision of incorporation of the suggestion will be decided by the open seminar committee.
- f) A student must submit the thesis within three months of the open seminar failing which he/she must give the open seminar again.

18. Thesis Submission for evaluation

- a) A Doctoral candidate shall be allowed to submit the thesis within the stipulated time (currently three months from the open seminar) after successful completion of the open seminar.
- b) The thesis can be submitted for evaluation only if at least one patent/ design registration is filed from the Ph.D. work (not applicable for the students registered with NS and LA disciplines) and at least one paper in the SCI/SCIE/SSCI/SSCIE/AHCI indexed journal (Q1-ranking) or two papers in the SCI/SCIE/SSCI/SSCIE/AHCI indexed journal (Q2-ranking).
- c) It will be the duty of the student submitting the thesis to check the thesis against possible plagiarism.
- d) Doctoral thesis for evaluation shall be submitted to the Dean Academic or nominee through the supervisor. The thesis should be forwarded by the Chairperson DPGC.
- e) Following are required to be submitted along with the thesis:
 - i) A soft copy of the synopsis of 6-7 pages
 - ii) Soft copy of the thesis
 - iii) A softbound hard copy of the thesis
 - iv) A panel of examiners
- f) Date of the thesis submission will be considered as the date on which the thesis along with documents in point (iv) are received by the office of the Dean Academic.
- g) The panel of examiners must consist of names of

- i) at least 4 examiners from the top 400 QS/Times ranked Institutes outside India and
- ii) at least 4 examiners from India.
- h) The Chairperson Senate has the right to add/ appoint examiners of his/her choice, if needed.
- i) The panel must be forwarded by the Chairperson DPGC and the Dean Academic.

19. Thesis evaluation

- a) The panel of examiners submitted by the thesis supervisor will be placed before the chairperson Senate by the Dean Academic for approval of experts.
- b) The thesis will be sent to two experts (one from India and one from outside India) for evaluation. The Chairperson Senate may add new name(s) from the related field in the panel.
- c) Reports of Doctoral thesis evaluation from the examiners, received in the Academic Section of the Institute, shall be placed before Dean Academic who shall categorize them in one of the following three categories:

Category I

If an examiner suggests corrections regarding punctuation, grammar, spelling or language, the report shall be considered of Category I. In such a case, thesis supervisor(s) may use his/her/their discretion regarding the incorporation of such suggestions.

Category II

If an examiner points out minor technical mistakes, raises some queries or suggests modifications but does not imply that the acceptance of the thesis is subject to removal of these defects to the examiner's satisfaction, the report shall be considered Category II. In such a case, the supervisor shall send the revised thesis along with the student's response to the queries raised to the RPC of the student.

Category III

If an examiner raises technical points or suggests modifications, which must be answered/ carried out to the examiner's satisfaction before the thesis is accepted the report shall be considered of Category III. In such a case, the supervisor shall send the student's response to the queries raised by the examiner to the Dean Academic along with the revised thesis within three months from the communication received from the Dean Academic. The revised thesis along with the response/rebuttal to the queries will be sent to the examiner with a request to respond within six weeks. If the examiner's response is not received within this period, a reminder shall be sent and if no reply is received within the next six weeks, further action will be initiated.

Category IV

If one of the examiners outrightly rejects the thesis, the matter shall be referred to the Chairperson Senate for deciding the further course of action.

In all cases of revision, the revised thesis (both highlighted and previous copy of the thesis) along with the responses to the comments/ suggestions will be sent to a committee consisting of the DPGC and supervisor(s). The committee must give its recommendation within two weeks of receiving the revised thesis. The committee must certify that the changes made in the thesis and responses to the examiner's query are well incorporated.

- d) If both the examiners reject the thesis, the thesis shall be outrightly rejected and the program of the student will be terminated without the award of the degree.

20. Thesis Defense

- a) Defense of the Doctoral students shall be carried out by a defense board consisting of the supervisor(s), RPC of the student and one external examiner nominated by the Chairperson Senate.
- b) The board will be proposed by the thesis supervisor through the Chairperson DPGC to the Dean Academic. The form for the defense examination board must be accompanied with the consent of the RPC and rebuttal/ response along with the revised thesis and certification of the DPGC, if any.
- c) The name of the external examiner will be approved by the Chairperson Senate on the recommendation of the Dean Academic.
- d) Once the board is approved, the constitution of the board will be communicated to the thesis supervisor by the Dean Academic.
- e) The supervisor will contact the external examiner and will fix up the date of the defense.
- f) Once the date is finalized the defense date and time will be communicated to the discipline office, academic office for record and an invitation will be sent to all the faculty and students with the title of the thesis and abstract. This communication will be done by the discipline office.
- g) The defense of a thesis shall be required to be necessarily conducted within six months from the date of receiving the report of all the examiners'. If the concerned student fails to appear for the defense within this period, her/ his programme would be deemed to be terminated with the permission of the Chairperson Senate.

21. Final thesis submission

After a successful defense, the student will submit a synopsis, a hardbound copy and a soft copy of the final thesis to the library after incorporating changes suggested by the committee, if any, and approval of the Dean Academic. The thesis supervisor shall authenticate that all the suggestions of the Thesis Defense Board have been incorporated in the revised copy.

22. Minimum Academic Requirements for the award of the Ph.D. degree

A student enrolled in the Doctoral programme shall formally become eligible for the award of a Ph.D. degree after he/she has:

- a) completed the minimum credit requirements of each of the following
 - i. Course work
 - ii. Research Credits
 - iii. Progress Seminars

AND

- b) have at least the minimum required CPI of 7.0 in course work

AND

- c) must have successfully defended her/his thesis and submitted her/ his final thesis

AND

- d) Satisfied all the additional requirements specified by the Discipline and approved by the Senate, if any

AND

- e) Satisfied all the requirements specified in Institute Ordinances and by the Senate.

23. Minimum and Maximum Duration of a Programme

- a) The minimum duration for completion of Ph.D. degree shall be of 4 semesters and for Doctoral students directly admitted to Ph.D. programme after B.Tech. shall be of 6 semesters.
- b) The minimum duration for completion of Doctoral programmes under part time category shall be of 6 semesters.
- c) The maximum duration under which the Doctoral programme is to be completed, irrespective of the category of the student, shall be 6 years. In exceptional cases, the Senate is empowered to give an extension.

24. Financial Assistance from the Institute Funds

- a) Students admitted under the Institute Assistantship Category shall be eligible for the Institute Assistantship.
- b) Amount of the Institute Assistantship for Ph.D. students shall be as per the directive of the Ministry of Education (MoE) and may change from time to time
- c) All Ph.D. Institute Assistantship holders shall be required to assist the Institute by carrying out the specified work assigned to them. The work to be assigned shall be as per guidelines of MoE and shall be monitored by the Chairperson DPGC or his/her

nominee(s).

- d) A student under the IA category will be receiving the assistantship for three and half years only. In exceptional cases, the Chairperson Senate may extend the period to a maximum of four years on the valid ground.
- e) If any Ph.D. scholar takes withdrawal within 1st (First) year he/she will be entitled to 50% assistantship (assistantship towards the TA work) only. At the time of quitting the program, he/she must reimburse back the excess assistantship (50% towards research work) to the Institute.
- f) A student under academic warning will not be eligible for an assistantship in the semester.
- g) The enhancement of the assistantship from the JRF category to the SRF category will be recommended by the DPGC committee based on the progress of the student. The student must have published/accepted at least one paper in the tier1/tier2 conference

25. Discipline

It is expected that the student must follow the guidelines of the institute to maintain ethics and standard including academic honesty and student discipline as separately laid down by the Senate, failing which necessary action may be taken against the student.

Minutes of the 1st meeting of Dean (Academics)/Faculty-Incharge (Academics) of CFIITs held in ONLINE mode at 4:30 PM on 19th April 2022

In accordance with the resolution of the CFIITs Directors meet held on 25th March 2022 at IIITA Prayagraj (**Annexure-1**), the 1st meeting of the CFIITs Dean(Academics) took place at 4:30 PM on 19th April 2022 in the ONLINE mode. The Dean(A)/Faculty-Incharge (Academics) of IIITA, IIITM, IIITDM, IIITDMK participated, but, due to some urgent issue, the Dean(A) of IIITDMJ could not attend the meeting.

At the outset, the chairman of the committee Prof. Neetesh Purohit welcomed all members and apprised them of the discussions that took place during the CFIITs Directors meeting and the mandate assigned to this committee i.e.

A) Steps towards Virtual Unification of all CFIITs

B) Joint implementation of NEP2020

After deliberations the committee resolved as follows:

1) The need for virtual unification of all CFIITs is well acknowledged. As a first step towards this larger objective, preparing a uniform academic calendar for all CFIITs w.e.f. academic Session July 2022-June 2023 has been agreed upon. The date of starting/closing the semester, major events like cultural/sports/Technical fests, etc. will be synchronized. Prof. Purohit and Prof. Binshu agreed to float a tentative calendar and then it will be taken up in the next meeting.

2) The possible ways of promoting academic collaborations were discussed. To begin with, joint supervision of BTech/MTech/PhD students by faculty members belonging to different CFIITs, HODs meetings, etc. was suggested. The members agreed to take up these suggestions one by one in subsequent meetings of the committee.

3) The whitepaper (**Annexure-2**) prepared by IITA Prayagraj for undertaking the pilot run of the Flexible Academic Program (FAP) was briefly discussed. It was resolved that all CFIITs will place it before the respective Senate with a request of replicating the same w.e.f. the academic year 2022-23.

4) The committee shall meet every Tuesday in ONLINE mode at 4:30 PM and discuss the updates. It may be a short meeting of 15-30 minutes though.

In the end, the members congratulated IITA Prayagraj for taking up this initiative and reiterated their active contributions toward achieving the abovesaid goals in a time-bound fashion. And then the meeting ended.

-sd-

(All members of the committee have ratified above minutes via email)

Submitted to Directors of all CFIITs for their kind information and further necessary action please.

Director IITA /Director IIITM /Director IIITDM/ Director IIITDMJ/ Director IIITDMK



INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD
(An Institution of National Importance established by the Act of the Parliament of India)

Minutes of the Meeting of the CFIIITs Director's Meet held on March 25, 2022 from 02:30 pm onwards in mixed mode

The members in attendance were:

- 1) Prof. P. Nagabhushan, Director, IIIT-Allahabad
- 2) Prof.D. V.L.N Somayajulu, Director IIITDM Kurnool and additional charge of Director IIITDM Kancheepuram
- 3) Dr Binsu J Kailath Dean Academic, IIITDM, Kancheepuram
- 4) Prof. Vijay Kumar Gupta, Professor (Mechanical Engineering) and Professor – in- Charge (Academic), IIIT Jabalpur (Online)
- 5) Prof. U.S. Tiwary, Dean (FA), IIIT-Allahabad
- 6) Prof. Shekhar Verma, Dean (SD), IIIT-Allahabad
- 7) Prof. Anupam, Dean (Alumni Affairs), IIIT-Allahabad
- 8) Prof. Neetesh Purohit, Dean (Academic), IIIT-Allahabad
- 9) Prof. Manish Goswami, Dean (R&D), IIIT-Allahabad
- 10) Prof. O. P. Vyas, Dean (TD), IIIT-Allahabad
- 11) Prof. Madhvendra Misra, Dean (International & National Relations), IIIT-Allahabad
- 12) Prof. Vrijendra Singh, Dean (SA), IIIT-Allahabad
- 13) Prof. Vijaishri Tewari, Registrar (Acting), IIIT-Allahabad
- 14) Prof. Pavan Chakraborty, HoD (IT), IIIT-Allahabad
- 15) Dr. Rajat Kumar Singh, HoD(ECE), IIIT-Allahabad
- 16) Dr. Shailendra Kumar, HoD(MS), IIIT-Allahabad
- 17) Dr. Ratan Saha, HoD(AS), IIIT-Allahabad
- 18) Prof. Pritish Varadwaj, Dean (Infrastructure, IWD, Estate), Coordinator

The meeting started with a welcome note by Prof. Pritish Varadwaj, Dean (IR). And then a brief introduction of the program 'Beyond Twenty by 2020' was given by Prof. Vijaishri Tewari, Registrar, IIIT-Allahabad. Director, IIIT-Allahabad also apprised about the concept to organize the 'Beyond Twenty by 2020' to the external members.

Prof.D.V.L.N Somayajulu, Director IIITDM Kurnool appreciated the idea and efforts of IIIT-Allahabad to take such initiative. He also shared his views, experience and valuable suggestions. Members took their suggestions with great pleasure.

After a brief exchange of pleasantries thereafter, the members took up the Agenda Items as follows:-

Handwritten signatures and dates:
J. Kailath 25/3/22
D.V.L.N Somayajulu 25/3/22
N. Purohit 25/3
Anupam 25/3/22
R. Saha
Rajat Kumar Singh 29/3/22
Pritish Varadwaj 29/3/2022

Agenda Item no. 1: Modifications needed in the Statutes/Act.

After a detailed deliberation, it was noted that recruitment/promotion norms as per IITs should be followed. All CFIIITs should send a consolidated proposal through their respective Boards to the IIITs Council. This would give a security to the faculty members and they can give their best without thinking of switching to IITs.

It was also noted that for Professor (HAG), there should be mentioned that only for internal candidates. No open advertisement should be floated for selecting HAGs Professor. An eligibility criterion for the HAGs may be prepared by all CFIIITs and refer to the Council for amendment in IIITs Act accordingly.

A Committee of all Dean (FA)/ Faculty In-charge (FA) of all CFIIITs has been constituted for addressing such concerns, to begin with the Dean (FA), IIIT-Allahabad, Prof. U S Tiwary, may chair and then it may be on rotation. The Committee should meet at least twice a year, and submit the minutes/recommendations to all Directors of CFIIITs. The immediate tasks to be taken up by the committee may be as follows:-

- (i) IIITs Act should be similar to IITs
- (ii) Amendment in 4 Tier Flexi Structure to the Council through the respective BoGs

Agenda Item no. 2: Steps towards Virtual Unification

The need of preparing similar academic calendar for all CFIIITs is discussed at length and agreed upon. The semester/ year-long exchange of faculty members among CFIIITs for conducting regular or specialized courses, etc. provisions needs to be explored. There should be common slots for common programs and it would be very helpful for all students and faculty of IIITs.

A committee of Dean (Academics)/Director's Nominee from all IIITs in the Chairmanship of Dean (Academic), IIIT-Allahabad, Prof. Neetesh Purohit, has been constituted. It was resolved that the Committee starting from new session preparing a uniform academic calendar and modalities for conducting other activities should be properly planned by the committee. The committee should meet at least twice a year, and submit the minutes/recommendations to all Directors of CFIIITs.

Agenda Item no. 3: Building a common platform for faculty interactions (Promoting at least once in a year interaction of all faculty members of all CFIIITs)

It was suggested that every IIIT should identify its own key area so that people of either IIITs may visit other IIITs for specialized area. Members noted the need of flexible academic mobility between CFIIITs and resolved to accept the proposal unanimously.

[Handwritten signatures and dates]
29/3/2022, 25/3/22, 29/3/22, 25/3/22, 25/3, 25/3/22, R. Saha

Agenda Item no. 4: Building a common platform for students interactions (Promoting joint 3-4 activities in a year)

It was resolved that at least one joint technical event in even/odd semester and a sports event in odd/even semester should be jointly organized for all students of CFIITs. The Dean (SA) of each institute should coordinate for the same.

Agenda Item no. 5: NEP 2020 joint implementation (to begin with, it may be adopted by all CFIITs)

After deliberations and sharing views, members noted that it should be jointly be implemented. The Whitepaper for FAP pilot run prepared by IIITA should be considered by all CFIITs. The committee of Dean (Academic)/Director's nominee mentioned in the agenda 2 above should undertake the needful coordination for CFIITs FAP Consortium building. It would be a proud that we may first in the country to implement NEP 2020 through Flexible Academic Program.

A MoU between IIIT-Allahabad - IIIT Kanchipuram and IIIT-Allahabad – IIIT Kurnool was signed to achieve this objective.

Agenda Item no. 6: Establishment of "PAN IIIT Alumni Forum (Global Alumni Connect Programme of IIITs)" prepared by Prof Anupam, Dean Alumni Affairs IIITA.

It was very well taken by the members and members unanimously agreed to establish the PAN IIIT Alumni Forum (Global Alumni Connect Programme of IIITs).

A committee of Dean (Alumni Affairs) / Faculty-in-charge from all CFIITS was formed for the purpose.

Handwritten signatures and dates:
25/3/22
25/3/2022
25/3
25/3
29/3/22
29/3/2022
25/3/22
25/3/22

Whitepaper on FAP Pilot Run at IITA

A) Preface:

In making the expectations as brought out in National Education Policy (NEP) 2020 a reality, IITA has proposed to introduce an innovative framework named as 'Flexible Academic Program' (FAP) which aims to infuse the standard UG, PG, and Ph.D. programs in an integrated package such that it can easily facilitate multiple exits with provisions of re-entry (from the point of exit in the future), multi-disciplinary, multi-institute, multi-mode, multi-lingual, lateral entry, etc. Starting from Sept 2020 suggestions/consultations from many eminent persons were obtained by organizing several events including Webinars, Seminars, National Conference, etc., and accordingly, the modalities for undertaking a pilot run are prepared, as presented hereunder. Further, IITA's section-8 Company, IIC, along with its industry partners and collaborators are developing the FAP Integrated Services (FAPIS) platform for FAP students as a single-window solution for all needs. (More details about FAPIS are placed at **Annexure-A**)

B) Advantages of 'with FAP' Option:

(i) For Learner admitted 'with FAP': To begin with, the Flexible Fee (i.e. Flexibility to choose teachers offering the same course from the same or different institutes), Flexible Languages of instructions for different courses (as available), Flexible Mode (ONLINE/ONCAMPUS), Flexible duration (speed up by adopting 24 credits in each session, speeding down by adopting lower credits per semester, but an active student needs to register for at least 10 Credits in each session), Multidisciplinary (choice of specialized 16 Credit modules in 6th and 7th semesters; and Human Engineering & Social Sciences (HESS) courses), Reentry, etc. are enabled for FAP students. Later on, more Flexibility may be opened. FAP enables the students admitted to a lower rank institute to learn a few core subjects as well as the latest specialized modules from the very high quality teachers (in ONLINE mode and for a few of them on campus mode too).

(ii) For the Institute offering FAP: Observing the above advantages higher ranked students will be attracted which will uplift the overall quality of the institute. When an established research group will offer specialized modules to institute 'with FAP' students in ONLINE mode then it needs to involve a few local teachers/research scholars too for undertaking lab/project/workshops pertaining to the respective module; also some of these trained students will be able to undertake multidisciplinary projects under institute's faculty members, all such things will surely open up new collaborations opportunities for undertaking joint research and development. Besides offering courses to the institute's FAP students, the faculty members may offer the same or other courses to FAP students of other institutes belonging to the same consortium; as well as FAP students of other FAP consortiums. These activities will generate additional revenue for the institute.

(iii) For the nation: India does not have enough GDP to create all facilities everywhere for all students, so there is a need to optimally utilize all resources creating fair opportunities for all deserving students. In the long run, FAP is going to take care of this aspect. A lot of students are taking one or more years to drop to study Chemistry, Mathematics, and Physics in various coaching classes for getting admissions in a high-rated institute. It is not only a huge useless

burden on their parents, but it is a great loss to the nation too, as its best minds are getting delayed to serve the nation. FAP is creating a great opportunity of learning from highly qualified faculty members of a better institute (to begin with it may be short durations on a returnable basis but in long run permanent switching to a few outstanding students) for almost all. This arrangement may motivate these students not to go for the DROP option but to study engineering subjects with similar devotion to avail the above said opportunity of learning engineering skills from experts. By this, a great qualitative shift in skills of engineering students may become visible in near future. For accomplishing such innovative movements of students for better learning a systematic mechanism through a centralized nodal agency may be created. Identifying this need, IIITA has already sent a proposal to MOE for building a Multidisciplinary Education Research University (MERU) for the wide-scale implementation of NEP2020 and FAP in particular. It is expected that this MERU may become instrumental in opening up many new dimensions and hence several innovative opportunities for all 'with FAP' students of various consortiums.

C) Operational Procedures:

(i) Admission:

IIITA should request JoSAA-2022 and CCMT-2022 to create an option of choosing its respective programs 'with FAP' or 'without FAP'. As per respective merit, on a first come first serve basis, a few maximum (e.g. for the year 2022-23: 25 seats in IT and 25 seats in ECE via JoSAA and NIL via CCMT) may be offered 'with FAP' option. By this, in the worst case, if no one opts for FAP then all seats will be automatically filled without the FAP option and there is no chance of remaining any vacancy or merit violation. And if it is fully filled then also the strength remains manageable. However, it may worth mentioning that when a student admitted via JoSAA reached to MTech/PhD level with/without taking any exit option may not automatically get the respective fellowship too. The institute will separately notify the criteria for awarding fellowship to some of these PG/PhD students.

(ii) Managing Teaching/Assessment/Credits:

All permanent teachers of IIITA and other institutes (as mentioned in **Annexure-B**, the Dean (A) may add more similarly placed institutes later on), or any other competent person as approved by the Chairman Senate, are allowed to offer courses/modules to IIITA's FAP students via FAPIS. All students admitted under FAP will be managed via the FAPIS platform. Other IIITs (CFTIs) will be motivated to launch FAP by offering the FAPIS platform. IIITA will help them in launching FAP and will work towards creating a FAP consortium involving all these IIITs (CFTIs only). Once this consortium is built then 'Summer Semesters' may be used for managing students' temporary visits to other IIITs, learning some courses ON Campus mode, and returning back to the parent institute in the next regular session. A student may plan an exclusive stay in another institute for a duration of one full semester, provided under the provision of FAP student would have registered for the credits from that institute in that semester.

The courses offered by various teachers will be displayed on the FAPIS dashboard of each student and they can choose any course subject to satisfaction of the prerequisite conditions (if any). Each student will be able to choose the relevant course floated by his parent institute's teacher. He may choose another institute's teacher's course too (in ONLINE mode, unless ON

Campus is explicitly mentioned therein) as visible on his FAPIS dashboard. Excluding the extreme scenario like COVID-19, a student cannot opt for more than 40% credits in online mode (it includes HESS courses) with reference to the next exit point, i.e. for the students admitted via JoSAA the 1st exit point is after earning 120 credits so maximum 48 ONLINE Credits may be allowed, however, if a student declares to take the exit after 160 credits then ONLINE 64 Credits may be allowed to him by the FAP Coordinator, who may, however, consider individuals requests and permit little more ONLINE Credits too.

A pre-fixed class timetable from 9 AM to 9 PM on all 7 days (including Saturday and Sunday) will be made available through the FAPIS platform, before opting for a course the students will be able to see its timings (Highly demanded courses may run in multiple slots simultaneously by different teachers). The assessment procedure may be the same as applicable to non-FAP students i.e. the 'Choice Credit Linked Continuous Assessment and Award' (CCLCAA). To begin with, the curriculum for students admitted via CCMT under FAP as well as without FAP should be the same. However, for the students admitted via JoSAA the curriculum for FAP students will be as placed at **Annexure-C**.

A Blockchain technology-based Academic Bank of Credits (ABC) will forever keep the credit records of all students via FAPIS. It will generate a suitable soft certificate at the exit point which will remain accessible via a specialized app. It is developed by C3i Hub IITK, a collaborator of IIIC.

(iii) Managing Duration and Fee:

The FAP students need to pay for the respective FAP course fee chosen by him/her in each session (Jan-Jun OR July-Dec), maximum of 24 credits may be opted in each session, along with other applicable fees (including one time FAPIS registration fee to IIIC at the time of admission), as may be defined by the Dean (A). As mentioned in para C(ii) above, there is a possibility that some FAP students of another institute may visit IIITA then in addition to course(s) fee such students also need to pay an additional fee (for hostel and other facilities) as may be defined by Dean(A). Similarly, if IIITA FAP students visit other institutes then such an additional fee needs to be paid by them.

The fee of various FAP courses (X) will be defined by the institute's FAP Coordinator in consultation with the Dean (A). Once the system becomes mature, this decision-making may be transferred to the respective main teacher of each course. However, the Fee of specialized modules/Courses developed by other institutes will be decided by the Main Teacher of the respective module. Depending upon the lab/hands-on expenses/brand name etc. parameters some of these courses may be costly and hence it may become possible that 'with FAP' students, who opt for such costly modules may need to pay more fee as compared to 'Without FAP' students of same batch or other 'with FAP' students who choose low cost (maybe free too) modules.

If the department assigns a FAP course to a teacher (with TAs) as a part of his/her semester load then 0.9X will go to IIITA and 0.1X to FAPIS. In other cases, the distribution of course fee (X) may be as follows: X= 0.5X (Main Teachers Honorarium) + 0.2X (Supporting Teachers/Assistants Honorarium) + 0.15X (IIITA's convenience fee) + 0.05X (Main Teacher's Parent institute convenience fee) + 0.1X (FAPIS course fee to IIIC)

All Fee collection will be done by the FAPIS through ONLINE transactions, and it will transfer the proportionate funds to the respective institute's account within a predefined time.

(iv) Managing DROPs:

It will be done as per the CCLCAA ordinance of IITA i.e. whenever a student could not qualify for a course, he will be dropped and no credits will be earned by him. In the case of a hard core course, the student needs to again enroll in the course whenever it is offered next time (may be in a different institute/ with a different teacher). However, in case of HESS or soft core courses, he may opt for another subject in subsequent sessions.

(v) Exit options:

To begin with, no exit option should be given till the completion of 120 Credits for students admitted via JoSAA (approximately equal to the completion of 3rd year as compared to the current scheme which is equivalent to Advanced Diploma OR B.Sc.), and 64 credits for the students admitted via CCMT. As 3 years of teaching after higher secondary is already a standard in other fields so this proposed exit is allowed as a 1st exit point so that the outgoing students get duly recognized in the society; the candidates may get meaningful employment and hurdle less bank loans, if they chose to become a entrepreneurs, etc. The vacancies created after exit with aMTech degree should be filled via standard Ph.D. admission procedure and in the former case (after completion of 120 or more credits) it may be decided as and when the need arises i.e. after 3 years. Later on, intermediate exit points may be opened.

(vi) Re-entry Mechanism:

The FAP students will be eligible for re-entry into the FAP at any point in time in the future, subject to availability of seats at that point of time including the decision of the Chairman Senate for accommodating a few deserving candidates by creating supernumerary seats. The FAP coordinator and respective HOD (or his nominee) may define additional credits to be earned by such students, on a case to case basis (depending upon the experiences of the candidate, his field of interest, etc.), for becoming eligible for the next exit option(s).

D) Fine Details:

(i) IITA proposes to take admissions 'with FAP' as mentioned in para C(i) above w.e.f. 2022-23 academic year, offering limited flexibility as pointed out in para B(i) above utilizing the FAPIS platform. 'With FAP' option in JoSAA means entry into either "BTech-MTech-PhD in Information Technology Multidegree flexible program", OR "BTech-MTech-PhD in Electronics and Communication Engineering Multidegree flexible program". And 'With FAP' option in CCMT means either "MTech-PhD in Information Technology dual degree flexible program" OR "MTech-PhD in Electronics and Communication Engineering dual degree flexible program" program. Further, all students admitted under these programs are eligible to move into next program but merely eligibility is not a guarantee of the admission as and when a student desires. Depending upon the past performance only the offer of moving ahead may be given to a few students. Some of them may also be offered fellowship at MTech/PhD level.

For the academic year 2022-23 the admissions may be done as follows:

(a) In IT stream via JoSAA	:	25 seats (Maximum)
(b) In ECE stream via JoSAA	:	25 seats (Maximum)
(c) Via CCMT	:	NIL

(ii) It should be explicitly specified that, in the worst case, if in future the institute decides not to continue admissions 'With FAP' option then all previously admitted students will be absorbed in the respective regular program of the institute.3) The credits earned by each student should be perpetual i.e. even if a student choose to discontinue the program at any point of time without earning enough credits to get the award of any degree/certificate/diploma, then also the opportunity should exist that he/she may join the program again and earn more credits to become worthy of the degree/certificate/diploma etc. as the case may be.

(iii) IITA will approach other centrally (fully) funded IITs requesting them to replicate the action (i) above in their own institute and to formally constitute a consortium of these homogeneous institutes. IITA will approach its own and other institutes (as per **annexure-B**) research groups motivating them to build specialized 16 credit modules (which fits into 6th Sem OR 7th Sem FAP Curriculum), innovative individual courses of both Technical and HESS domains for offering to its 'with FAP' students with reasonable fee.

(iv) FAP implementation is a chicken-egg type of problem, so having decided that the institute is going for it, the institute should now approach to other esteemed institutes/ research groups and their faculty members for getting their consent for preparing and floating the specialized modules for the FAP students at various levels. Moreover, it may better if all such relevant information is made available to prospective students at the earliest so that this program may become lucrative. IITA will extend its supervision to other types of homogeneous entities in building their own independent consortiums e.g. NITs, PPP IITs, IITs, AKTU, GTU etc. IITA will allow its faculty members to offer courses/modules in ONLINE mode to the students of these consortiums too. However, larger engagements like allowing their students to visit IITA for physically attending courses, doing projects etc. will be decided by the Dean(A) on the recommendations of the FAP Coordinator and the Main teacher of the respective course as and when it is requested. To maintain the uniformity in grading system, uniform quality of earned credits etc., the proposal of utilizing FAP integrated Service (FAPIS) platform by students, faculty, administrators etc. potential users is appreciated.

(v) Little later, short-duration Intra/inter consortium movements (on returnable basis) for the 'with FAP' students may be provisioned as per the mutually agreed terms and conditions approved by the Chairman Senate on the recommendations of the Dean(A). It may be easily coordinated through the FAPIS platform. Accordingly, more flexibility may be opened up in the future. Moreover, in such a type of experimentations, the norms must be loosely defined, and as per the need the competent committee/person should be allowed to take suitable decisions. All such deviations should however, be reported to the Senate. In particular, the upper cap (defined in terms of the proportion of seats in para C(i)), may be suitably changed from time to time by the Chairman Senate as he may deem fit.

(vi) As soon as the MERU (as introduced in para B(3) above) becomes operational, the new age of the education system will start in India.

Annexure-A

FAP Integrated Service (FAPIS) platform:

Please refer to Pg no. 45-47 of the FAP Short Book <https://fapis.in/FAPBookFinal.pdf>

<https://fapis.in/> for demonstration of the current version prototype use

UN: 789054321 with PW: 1234 for all types of FAPIS users.

Annexure-B

(A) For Technical Courses:

All IITs; MNNIT Prayagraj and other similarly placed NITs, All Fully Centrally funded IIITs, IIIT Hyderabad, IIIT Delhi, IIIT Bangalore, Any other institute approved by the Chairman Senate

(B) For HESS Courses:

All IIMs , All IITs, GBPSSI Prayagraj, DSVV Haridwar, Delhi University, JNU Delhi, Allahabad Central University, BHU, Any other institute approved by the chairman Senate

Annexure-C

ECE FAP Curriculums Pg 48-54 of the FAP book

IT FAP Curriculum Pg 55-61 of the FAP Book

Full details on FAP are available at

Websites:<https://fapis.in/>

<https://fap.iiita.ac.in/>

FAQs:<https://fapis.in/src/FAQ.html>

Individual Views of Eminent persons on FAP and Video recordings of presentations, discussions etc are available at following FAP's You Tube Channel

 https://www.youtube.com/channel/UC0bB8ahyiSs_za8m1jpbxLA