AGENDA

for

the 59th Meeting of

the SENATE

Indraprastha Institute of Information Technology Delhi

Date: 11th August, 2023 Friday
Time: 3.00 PM

Venue: Senate Room, 7th Floor, R&D Building, IIIT-Delhi
(The meeting will be conducted in Hybrid Mode)
The meeting link over zoom will be shared separately

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<p style="text-align:center;">**FIFTY NINTH (59th) MEETING**</p>

<p style="text-align:center;">**OF**</p>

<p style="text-align:center;">**THE SENATE OF IIIT-DELHI**</p>

59.1   WELCOME AND OPENING REMARKS BY THE CHAIRPERSON

59.2   CONFIRMATION OF MINUTES OF THE 58th MEETING OF THE SENATE

The Minutes of the 58th meeting of the Senate held on May 18, 2023, placed at **Annexure-I,** were circulated among the members. No comments have been received. The Senate may confirm the minutes as circulated.

59.3   ACTION TAKEN REPORT

The Action Taken Report on the various decisions taken by the Senate in its 58th meeting held on May 18, 2023, is placed in **Annexure II**.

59.4   ITEMS FOR INFORMATION/ RATIFICATION

59.4.1   Reporting Items

59.4.1.1   To report the status of Cycle 3 NAAC accreditation

For Cycle 3 NAAC accreditation, the AQAR for AY 2021-22 has been initiated. The deadline for filling out the form is September 30, 2023.

59.4.1.2   To report the status of Ph.D., M.Tech. and B.Tech. admissions for Academic Year 2023-24

Program-wise details will be placed on the table.

59.4.1.3   To report the status of AICTE Extension of Approval (EOA)

IIIT-Delhi had applied for AICTE Extension of Approval (EOA) for AY 2023-24 with application number 1-38669412441 and the AICTE has issued EOA to the Institute. The EOA is placed in **Annexure III.**

The above is reported for the information of the Senate.

59.4.1.4 **To report the NBA accreditations for the UG program of the CSE department and PG program of ECE**

The NBA team visited IIIT-Delhi on 15-17th April 2023 for NBA accreditation of B.Tech.(CSE) and M.Tech.(ECE). Based on the recommendation of the team the NBA has accredited these two programs for the maximum permissible period of 6 years. It may also be noted that the NBA has also given an extension to M.Tech.(CSE) program for a period of one year. Both the letters from NBA are placed in **Annexure IV.**

With the above accreditation, the status of all IIIT programs is given below:

Department	Programs	NBA		
		Valid Till	Next Application	Status/Comments
CSE	UG in CSE	June 2028	Dec 2027	Accredited
	UG in CSAI	Not Eligible	September 2024*	2nd batch has not passed out
	PG in CSE	June 2023	Due	Under Process (Pre-qualifier)
ECE	UG in ECE	June 2025	December 2024	Accredited
	UG in EVE	Not Eligible	December 2028	2nd batch yet to Graduate
	PG in ECE	June 2029	December 2028	Accredited
CB	UG in CSB	Not Eligible	December 2023*	2nd batch yet to Graduate
	PG in CB	Not Eligible		UG Program is not accredited.
Maths	UG in CSAM	Eligible	Under Process	Under Process
HCD	UG in CSD	Eligible	December 2022*	
SSH	UG in CSSS	Eligible	December 2022*	

* After CSE & ECE, all other programs are unconventional as per the terminology of NBA, where they will consider accreditation for these programs when more than 50% of all other conventional programs are accredited. The Mathematics department wrote an email to NBA, requesting them to consider our CSAM program, as 50% of our existing eligible programs are accredited and under process for the 2nd cycle. Now, as the 2nd cycle process has completed, the Mathematics department has again written to NBA. The response is awaited from NBA.

The above is reported to the Senate for information.

59.4.1.5 **To report the status of Suit No. CS SCJ/116/19, filed by Nikhil Gautam in the District Court Saket South, Saket, District Court, New Delhi**

The next date of hearing is scheduled for August 16, 2023.

59.4.1.6 **To report the status of the Compliance Affidavit filed by the Institute in the matter of Courts on its Motion in re: Suicide Committed by Sushant Rohilla, Law Student of I.P. University (W.P.(CRL) 793/2017)**

The next date of hearing is scheduled for August 18, 2023.

59.4.1.7 **To report the status of Writ Petition [WP (C) 8397/2022] filed by Shivam Chaudhary & Ors. in the Hon'ble High Court of Delhi seeking admission to the 2nd year of the B.Tech. programs through the Lateral Entry process**

Mr. Shivam Chaudhary and six other Petitioners had filed a Writ Petition (WP 8397/2022) before the Hon'ble High Court of Delhi for providing admission through the lateral entry process to second year, B.Tech. program for diploma holders in Engineering and Technology. AICTE and 8 others (including IIITD) were made Responding parties to the above writ petition. Mr. Arjun Mitra, Advocate has informed that the Hon'ble High Court of Delhi has dismissed the Writ Petition filed by Shivam Chaudhary and other Petitioners vide Judgement dated June 02, 2023.

The above is reported to the Senate for information.

59.4.2 **Items for Ratification**

59.4.2.1 **To ratify the approval given by Chairman, Senate for nomination of new members to the Senate**

With the change in AAC members for the year 2023, there is an update in the composition of the Senate. As per the practice, all AAC members are considered ex-officio members; therefore, the Chairman Senate has approved the nomination of new members and the changes in the composition of the Senate for the year 2023, on behalf of the Senate, as per **Annexure V**.

The Senate is requested to ratify the approval given by the Chairman Senate.

59.4.2.2 **To ratify the approval given by Chairman, Senate for making changes in Academic Calendar**

Due to an extension in the current Counselling Schedule of JAC 2023, our B.Tech. admission was completed on the 4th of August, 2023. Earlier, as per our approved academic calendar, the Monsoon semester was to start on 31st July 2023. Therefore, the matter was deliberated in the 29th AAC meeting, over email, to align all the semesters, and it was recommended to start the semester on the 7th of August, 2023. Thereafter, the Chairman Senate considered the recommendation and accorded his approval for making changes in the calendars. Copies of the academic calendar of Monsoon 2023 and Winter 2024 semester for AY 2023-24, are placed in **Annexures VI and VII.**

The Senate is requested to ratify the approval given by the Chairman, Senate.

59.4.2.3 To ratify the approval given by the Director (Chairman, Senate) for branch transfer of B.Tech. students for the 2022 batch

Further to the applications received, the following B.Tech. students of the 2022 batch have been approved for branch transfer by the Director (Chairman, Senate) as per UG regulation 7.6:

Program	No. of Students admitted at the time of Admission	Withdrawals after admission	Actual Strength after Withdrawals	10% of the Seats for Branch Transfer	Minimum Strength (After Branch Transfer)	Maximum Strength (After Branch Transfer)	No. of Students Moved OUT (after Branch Transfer))	No. of Students Moved IN (after Branch Transfer	Final Strength of the Program after Branch Transfer
CSE	148	2	146	15	131	161	0	15	161
ECE	66	3	63	6	57	69	7	1	57
CSAM	68	2	66	7	59	73	6	10	70
CSB	65		65	7	58	72	7	0	58
CSD	65		65	7	58	72	4	1	62
CSSS	66	3	63	6	57	69	6	2	59
CSAI	71	3	68	7	61	75	0	7	75
EVE	61		61	6	55	67	6	0	55
Total	610	13	597				36	36	597

The Senate is requested to ratify the approval given by the Chairman, Senate.

59.5 ITEMS FOR DISCUSSION AND CONSIDERATION

59.5.1 UG Matters

None

59.5.2 PG Matters

None

59.5.3 Other Matters

59.5.3.1 To consider the list of UG & PG students who have completed graduation requirements on June 21, 2023.

The graduation checks for the eligible students with the degree dates 21st January 2023 and 21st June 2023 are under process. A list of such students will be placed on the table for the approval of the Senate.

59.5.3.2 To consider the list of PGDCSAI program with great learning students who have completed graduation requirements on 30 April 2023.

The List of students is placed at **Annexure VIII**.

59.5.3.3   To consider the End of Semester Summary Report (Winter Semester 2023 AY 2022-23)

A summary of various activities of academics undertaken in the previous semester (Winter Semester for the Academic Year 2022-23), including the performance of UG/PG/Ph.D. will be placed on the table.

59.5.3.4   To consider the recommendation of the Academic Affairs Committee (AAC) for the establishment of the Scytale fellowship

Academic Affairs Committee (AAC) in its 29th meeting held on July 24, 2023 considered a proposal for establishing Scytale fellowship which was earlier discussed among AAC members over email and got approved. After a brief discussion the AAC agreed to the proposal for establishing the Scytale fellowship as per the terms and conditions detailed in **Annexure IX** and recommended for approval of the Senate.

The Senate is requested to consider and approve the above recommendation of the AAC.

59.6   ANY OTHER ITEM WITH THE PERMISSION OF THE CHAIRPERSON

<u>Minutes of the 58th meeting of the Senate of IIIT-D held in Hybrid mode on May 18, 2023 at 03.00 PM (in-person/video-conference).</u>

The following were present:

	Name	Role
·	Prof. Ranjan Bose	Chairman
·	Prof. Basabi Bhaumik	External Member
·	Prof. Dheeraj Sanghi	External Member
.	Prof. Kaushik Saha	External Member
·	Dr. Mythili Vutukuru	External Member
·	Dr. Lipika Dey	External Member
·	Dr. Gautam Shroff	External Member
·	Prof. Pushpendra Singh	Ex-Officio Internal Member
·	Dr. Anuj Grover	Ex-Officio Internal Member
·	Prof. Sujay Deb	Ex-Officio Internal Member
·	Dr. Paro Mishra	Ex- Officio Internal Member
·	Prof. Anuradha Sharma	Ex-Officio Internal Member
.	Dr. Sumit J Darak	Ex- Officio Internal Member
.	Dr. Debajyoti Bera	Ex-Officio Internal Member
.	Dr. Vinayak Abrol	Ex-Officio Internal Member
.	Dr. Gayatri Nair	Ex-Officio Internal Member
·	Dr. Pravesh Biyani	IIITD Faculty
·	Dr. Sneh Saurabh	IIITD Faculty
.	Dr. Tavpritesh Sethi	IIITD Faculty
.	Dr. Anmol Srivastava	IIITD Faculty (Spl. Invitee)
.	Dr. Venkata Ratnadeep Suri	IIITD Faculty (Spl. Invitee)
.	Dr. Smriti Singh	IIITD Faculty (Spl. Invitee)
.	Dr. Arjun Ray	IIITD Faculty (Spl. Invitee)
.	Dr. Syamantak Das	IIITD Faculty (Spl. Invitee)
.	Mr. Anupam Saronwala	Advisor
.	Mr. Utkarsh Gupta	Alumni
·	Dr. Ashok Kumar Solanki	Secretary
·	Mr. K.P. Singh	Academic In-charge
.	Ms. Anshu Dureja	Deputy Manager (Academics)
·	Ms. Nisha Narwal	Asstt. Manager (Academics)

FIFTY-EIGHTH (58th) MEETING OF THE SENATE OF IIIT-DELHI
(HELD IN HYBRID MODE THROUGH ZOOM ON MAY 18, 2023)

MINUTES OF THE MEETING

58.1 WELCOME AND OPENING REMARKS BY THE CHAIRPERSON

At the outset, the Chairman, Senate welcomed all the members/special invitees to the 58th meeting of the Senate participating in-person or online. Thereafter, he requested Prof. Pushpendra Singh, the Dean of Academic Affairs to present the agenda items.

58.2 CONFIRMATION OF MINUTES OF THE 57th MEETING OF THE SENATE

The Dean of Academic Affairs informed that no comments were received on the Minutes of the 57th meeting of the Senate held on February 17, 2023. However, after the circulation of the minutes of the 57th meeting the following changes/corrections were made in the minutes already circulated:

(1) Item No. 57.5.1.1 – For the admission year 2023-24, the number of seats shown against B.Tech. CSD, under the JAC column i.e. 35+25 was corrected to read as 35.

(2) Item No. 57.5.3.4 – The Senate had approved the changes in the Academic Calendar for Winter 2023 Semester. However, recently the NBA confirmed its visit dates (15th April – 17th April) for the accreditation of B.Tech. CSE & M.Tech. ECE programs where the classes were required to be functional.

It was noted that in the current Academic Calendar for the Winter 2023 semester, we had two Saturdays (i.e. 18th March and 1st April) as working days. Because of the above visit, it was decided to have them as non-working (off days). Accordingly, the 15th April (Saturday) was declared to have the Tuesday Timetable (18th March schedule) and 16th April (Sunday) was declared to have the Friday Timetable (1st April schedule). The above change was announced to students with prior approval from the Chairman of, Senate.

The Senate noted the above changes and confirmed the Minutes of the 57th meeting as circulated.

Action: Academic Section

58.3 ACTION TAKEN REPORT

The Dean of Academic Affairs apprised the members of the action taken on the various decisions taken by the Senate in its 57th meeting held on February 17, 2023. The Senate noted the position.

58.4 ITEMS FOR INFORMATION/ RATIFICATION

58.4.1 *General Matters*

58.4.1.1 To report the status of Cycle 3 NAAC accreditation

The Dean of Academic Affairs informed that for Cycle 3 NAAC accreditation, the AQAR for the AY 2020-21 has been submitted on February 21, 2023 and AQAR for AY 2021-22 is under preparation.

<div align="right">**Action: Academic Section**</div>

58.4.1.2 To report the status of Suit No. CS SCJ/116/19, filed by Nikhil Gautam in the District Court Saket South, Saket, District Court, New Delhi

The Senate noted the position.

58.4.1.3 To report the status of the Compliance Affidavit filed by the Institute in the matter of Courts on its Motion in re: Suicide Committed by Sushant Rohilla, Law Student of I.P. University (W.P.(CRL) 793/2017)

The Senate noted the position.

58.4.1.4 To report the status of Writ Petition [WP (C) 8397/2022] filed by Shivam Chaudhary & Ors. in the Hon'ble High Court of Delhi seeking admission to 2nd year of the B.Tech. programs through the Lateral Entry process

The Senate noted the position.

58.5 ITEMS FOR DISCUSSION AND CONSIDERATION

58.5.1 UG Matters

58.5.1.1 To consider the recommendation of the Academic Affairs Committee (AAC) regarding the review of the changes proposed by SSH Department in the Regulations of Minor in Entrepreneurship

The Dean of Academic Affairs apprised the members of the background and informed that the Academic Affairs Committee (AAC) in its 27th meeting held on April 14, 2023 considered a proposal of the SSH Department for review of changes proposed in the Regulations of Minor in Entrepreneurship and observed/recommended as under:

"Prof. Pankaj Vajpayee proposed the following two options for a student to complete the requirements to earn a degree with a Minor in Entrepreneurship:

A B.Tech. student can earn a minor certification in entrepreneurship by completing a total of 24 credits from entrepreneurship courses including a BTP and or IP/IS plus a compulsory apprenticeship.

There are 2 options in the minor program

Option 1	Option 2
24 credits of course work	16 credits coursework
	8 credit BTP registered under ENT track
Compulsory apprenticeship (pre-approved)	Compulsory apprenticeship (pre-approved)

The minor program is designed to provide students with basic training in entrepreneurship and to nudge them towards entrepreneurial ventures and incubation.

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Courses for a Minor in Entrepreneurship:

- *Foundations of Entrepreneurship*
- *New Venture Planning (ENT 415 renamed to ENT3xx),*
- *Entrepreneurial Communication (ENT 411)*
- *Creativity Innovation and Inventive Problem Solving (Ent 416/ENT 516)*
- *Social Entrepreneurship (ENT 3xx)*
- *Foundations of Marketing (ENT xxx)*
- *Foundations of Finance (ECO 331/ENTxxx)*
- *Effective Supply Chain for e-commerce (MGT 310)*
- *Entrepreneurial Finance (ENT 413)*
- *Valuation and Portfolio Management (ECO 332/ENTxxx)*
- *Micro-economics (ECO 301),*
- *Healthcare Innovation and Entrepreneurship Essentials (ENT 421/BIO 571*
- *Relevance of Intellectual Property for Startups (ENT 414)*

- *Other courses will be added to this basket on the recommendation of the faculty-in-charge (Entrepreneurship). The request to add a new course will be forwarded to AAC. The AAC will be empowered to add a new course.*

BTP: A student can earn a maximum of 8 credits for a BTP. The BTP must be registered under the Entrepreneurship track only.

Apprenticeship: This is expected to be an immersive experience for students during the Summer term (minimum 8 weeks), either working at a startup or towards incubating a startup. The eight-week requirement can also be met by working for a cumulative period of eight weeks during summer + winter break or over 2 summer breaks at the same startup. In case the startup is wound up for any reason whatsoever the student in such a case can do the remainder part of apprenticeship in a new startup. However, in case the startup refuses a student to continue after a break then the period already spent in case it is less than 4 weeks will not be counted towards the fulfillment of the 8-week requirement.

This should NOT be considered as an internship at any company or organization. Students can enroll for this project only after seeking due approval from the faculty-in-charge of Entrepreneurship. Students can register for an Apprenticeship during the summer term. Apprenticeship is compulsory for an ENT minor.

After detailed deliberation, the AAC agreed to the proposed changes and recommended for approval by the Senate. The change will apply from the next Academic Year. However, for students who are graduating this year, they will be given the option to opt for old or new rules to complete the requirements for a Minor in Entrepreneurship."

During the course of discussions, it was clarified that apprenticeship is compulsory and during apprenticeship, the students will not be permitted to register for any other course in the summer semester. However, the graduating students can be allowed to register in the summer to complete the requirement. The changes made in the regulation for Minor in Entrepreneurship were noted. After detailed deliberation, the Senate approved the recommendation of the AAC. Updated regulations of Minor in Entrepreneurship are placed at **Appendix I**

Action: Academic Section

58.5.2 PG Matters

58.5.2.1 To consider the recommendation of the Academic Affairs Committee (AAC) regarding the review of bucket courses for M. Tech. CSE Program

The Dean of Academic Affairs informed the members that the Academic Affairs Committee (AAC) in its 27th meeting held on April 14, 2023, reviewed the bucket courses for M.Tech. CSE program and observed/recommended as under:

"Dr. Debajyoti Bera, Associate Head, CSE presented the background of the proposal and informed the members that the Department of CSE has reviewed the bucket courses for M.Tech. CSE program. Now there will be no Software bucket. Instead, there will be a new Math bucket. The CSE department also proposed the following:

1) The M.Tech. program should have three core course buckets: Theory, Systems, Math. Each bucket should always contain at least 3 courses.

2) The committee does not propose any change to the current Theory bucket. The students need to take at least one course from this bucket.

3) The Systems bucket should keep only the courses that are related to the foundations of hardware and software systems. Moreover, the courses that the dept. offers should be regular elective courses that are normally offered or planned to be offered every year. As a consequence, the following courses are recommended in the bucket:

Wireless Networks, Computer Architecture, Compiler, Advanced Operating Systems. The students need to take at least one course from this bucket.

4) The Math bucket is intended to build a solid mathematics foundation required to learn advanced courses in the students' streams or other courses in their program. The students are expected to take one or more math courses accordingly. The following courses are recommended:

1. Probability and Random Processes (ECE 501) 2. Linear Optimization (MTH 374/574) 3. Convex Optimization (CSE528). 4. Advanced Linear Algebra (MTH510) (or preferably Graduate Linear Algebra since MTH510 is more advanced than required) 5. Graduate Discrete Mathematics (New) or a new hybrid course on mathematics that covers 2-3 topics. The last course would be particularly useful to the students under the general stream. The students will be required to take at least one course from this bucket.

It was agreed that there should be a provision to add new courses to these three buckets with the approval of AAC.

During the course of discussions, the DoAA informed that Dr. Saket Anand had proposed to include AOMML (Applied Optimization Methods for Machine Learning (ECE666)) course in the Math Bucket but has been suggested to first

have a discussion on the inclusion of AOMML in the Math bucket in the CSE department.

After detailed deliberation, the AAC agreed to the above proposal and recommended it for Senate approval."

After detailed deliberations, the Senate approved the above reocmmendations of the AAC.

<div align="right">**Action: Academic Section**</div>

58.5.2.2 To consider the recommendation of the Academic Affairs Committee (AAC) for review of M.Tech. CSE Internship Rule

Consideration of this item was deferred to the next meeting of the Senate.

<div align="right">**Action: Academic Section/Department**</div>

58.5.2.3 To consider the recommendation of the Academic Affairs Committee (AAC) regarding the delay in the Ph.D. thesis evaluation process

The Dean of Academic Affairs apprised the members of the background and informed that the Academic Affairs Committee (AAC) in its 27th meeting held on April 14, 2023, considered the issue of delay in the Ph.D. thesis evaluation process and observed/recommended as under:

"The AAC Chair informed the members that some Ph.D. thesis examiners do not respond even after repeated reminders from the Academic section, PG Chair, and the DoAA. As a result, the thesis defense gets delayed and our students lose postdoc/job offers. Our current Ph.D. regulations allow us to schedule the defense with reports from two examiners in such cases.

After detailed deliberations, the AAC recommended that the Academic Section will maintain a list of all such examiners who inordinately delay in sending the report and keep the Chair PGC informed if these names are nominated by the Advisors.

It was also recommended that after the stipulated timeline for thesis evaluation (as mentioned in the Guidelines), a reminder may be sent every week subject to a maximum of 4 reminders. If two reports are already received, then we will send weekly reminders to the third examiner and wait for about one month for the third report. If the third examiner neither submits the report nor responds to the reminders, then the defense may be scheduled with the two satisfactory Ph.D. thesis reports ((i.e. category A or B). The third examiner should be informed immediately that in the interest of the student, we have decided to go ahead with the Ph.D. defense seminar and that no report is required from his/her side. In this case, the third examiner should not be paid any honorarium."

After detailed deliberations, the Senate approved the above recommendations of the AAC.

The suggestion made by Dr. Gautam Shroff, an external Senate member to provide the video recording of the work done by the student to facilitate the examiners to expedite the report was noted for further discussion at the appropriate forum.

Action: Academic Section

58.5.3 Other Matters

58.5.3.1 To consider the recommendation of the Academic Affairs Committee (AAC) regarding the review of the IIITD Course Description format

The Dean of Academic Affairs apprised the members of the background and informed that the Academic Affairs Committee (AAC) in its 27th meeting held on April 14, 2023 reviewed the existing course description format and observed/recommended as under:

"Dr. Debajyoti Bera presented this item and apprised the members of the shortcomings of the current course description document which has information that keeps on changing every year (e.g., textbook, weekly schedule, etc.). This creates confusion among students and future instructors as to what is mandatory and what is suggestive. After detailed deliberation, it was decided to divide the course description into two parts:

Mandatory part (changes require approval): Name, description, credits, presence of lecture-tutorial-lab components (not necessarily the schedule), Course Objectives, and list of topics.

The "**Suggested plan**" component includes a weekly schedule of labs-lectures-tutorials, (where mentioning the week number in the course plan can be avoided), mapping with COs, books, evaluation plan, etc.; this component is required during course approval to understand the feasibility and intended workload + rigor of a course, but may not be necessary for students (information could be retained for guiding future instructors). Further, guidelines should be laid down for core and elective courses on which components require further approval when modified in a future semester.

Also, it is proposed that the current taxonomy be updated with the revised "Bloom's taxonomy" (Given below) from "Computing Curricula 2020" which has more actions/verbs which will allow more flexibility to design the COs. Further, it is proposed that at least half of the COs associated with any course should use the verbs associated with Analyzing, Evaluating, and Creating levels. The course description template would contain detailed instructions along with examples to guide course designers, and each CO would be checked for adherence to the taxonomy

Link to Computing Curricula 2020:
https://www.acm.org/binaries/content/assets/education/curricula
recommendations/cc2020.pdf

Levels of Cognitive Skills Based on Bloom's Taxonomy

	B-I Remembering	B-II Understanding	B-III Applying	B-IV Analyzing	B-V Evaluating	B-VI Creating
Definitions	Exhibit memory of previously learned materials by recalling facts, terms, basic concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions.	Solve problems to new situations by applying acquired knowledge, facts, techniques, and rules in a different way.	Examine and break information into parts by identifying motives or causes; make inferences and find evidence to support.	Present and defend opinions by making judgments about information, validity of ideas, or quality of material.	Compile information together in a different way by combining elements in a new pattern or by proposing alternative solutions.
Verbs	Choose, Define, Find, How, Label, List, Match, Name, Omit, Recall, Relate, Select, Show, Spell, Tell, What, When, Where, Who, Why	Classify, Compare, Contrast, Demonstrate, Explain, Extend, Illustrate, Infer, Interpret, Outline, Relate, Rephrase, Show, Summarize, Translate	Apply, Build, Choose, Construct, Develop, Experiment, with, Identify, Interview, Make, use, of, Model, Organize, Plan, Select, Solve, Utilize	Analyze, Assume, Categorize, Classify, Compare, Conclusion, Contrast, Discover, Dissect, Distinguish, Divide, Examine, Function, Inference, Inspect, List, Motive, Relationships, Simplify, Survey, Take part in, Test for, Theme	Agree, Appraise, Assess, Award, Choose, Compare, Conclude, Criteria, Criticize, Decide, Deduct, Defend, Determine, Disprove, Estimate, Evaluate, Explain, Importance, Influence, Interpret, Judge, Justify, Mark, Measure, Opinion, Perceive, Prioritize, Prove, Rate, Recommend, Rule on, Select, Support, Value	Adapt, Build, Change, Choose, Combine, Compile, Compose, Construct, Create, Delete, Design, Develop, Discuss, Elaborate, Estimate, Formulate, Happen, Imagine, Improve, Invent, Make up, Maximize, Minimize, Modify, Original, Originate, Plan, Predict, Propose, Solution, Solve, Suppose, Test, Theory

It may also be desirable to upfront list which program objective (POs) this course satisfies; this helps during accreditation and could in general be beneficial to understand where this course fits with respect to a program."

During the course of discussions, Dr. Debajyoti Bera clarified the points raised by the members. He also informed that some more changes have been made to the format and the revised format placed in Appendix II will be shared with the departments for use in the future. After detailed deliberations, the Senate approved the above reocmmendations of the AAC.

Action: Academic Section

58.5.3.2 To consider the recommendation of the Academic Affairs Committee (AAC) for replacing the mandatory 2-credit OOPD course

The Dean of Academic Affairs apprised the members of the background and informed that the Academic Affairs Committee (AAC) in its 28th meeting held on May 08, 2023, considered the recommendation of the Department of CSE for converting the mandatory 2-credit OOPD course and observed/recommended as under:

"Ms. Nisha Narwal, AM(Academics) presented the item and informed that feedback from ECE and CB departments has been sought and the same is awaited. During the course of discussions, Dr. Sumit Darak informed that the matter is under discussion in the ECE Department, and clarification is required if the M.Tech. ECE students could take the DPM course instead of the OOPD. Dr. Ganesh Bagler informed that the matter is under discussion and he will update soon. After detailed deliberations, the AAC recommended to the Senate for running two flavors of OOPD courses with C++ as a programming language, viz. OOPD of 2 credits - code ECE600A/CSE600A and OOPD of 4 credits – code CSE600 (2 additional credits). While the MTech (CSE) students will have to take only the 4-credit OOPD course (i.e., CSE600), the MTech (ECE) and MTech (CB) students will have the option to take either 2 or 4 credits of the OOPD course. Prof. Pushpendra Singh was requested to update the syllabus in light of the discussions held in the meeting.

Further, the ECE and CB departments were requested to deliberate the above in their respective department and if they have any objection to the above recommendation, they should inform the AAC latest by 16th May 2023."

During the course of discussions, Dr. Sumit J. Darak informed that the EC department is fine with 2 credits of OOPD course for the graduation requirement. However, students will also have the choice of doing 4 credits of the OOPD course as well. Students will be required to choose amongst the option of 2 credits of OOPD / 4 credits of OOPD course at the time of add/drop period only. Students with 2 credit OOPD course will complete the OOPD course requirement by the Mid Semester and students who will register for 4 credits of OOPD will be required to continue with the course till End Semester Exam. A

student cannot switch credits from 4 credits to 2 credits or visa versa after the add/drop duration.

It was noted that CB Department feel the need of designing a new course as per the CB program requirements. Dr. Tarini Shankar Ghosh and Dr. Jaspreet Kaur Dhanjal have agreed to design and offer a new 2-credit course in replacement of the existing OOPD course. A few names such as Programming for Computational Biologists or Programming for Bioinformatics were suggested.

After detailed deliberations, the Senate approved the above recommendations of the AAC

Action: Academic Section

58.5.3.3 To consider a proposal for revision of criteria for selection of faculty for Prof. Rajeev Sanghal Faculty Fellowship Award

The Dean of Academic Affairs informed the members that the Board of Governors in its 50th meeting held on 09.09.2020 had approved the criteria for the award of Prof. Rajeev Sanghal Faculty Fellowship, placed at Annexure (below).

Subsequently, the external evaluation committee constituted to recommend the name of IIITD faculty for the "Prof. Rajeev Sanghal Faculty Fellowship Award" for the year 2022 had made some observations about the insignificant number of nominations. It was noted by the committee that the number of nominations received from the students was insignificant and needs to be increased in the future. Accordingly, we discussed the matter in consultation with the donor, Prof. Ponnurangam Kumaraguru, (PK) , and came out with the following suggestions to increase the number of feedback from the students and improve the guidelines:

1. Nominations may be invited from IIIrd and IVth year B.Tech, IInd year M.Tech. and graduating Ph.D. students

2. The process for inviting nominations may be started early in the Winter Semester

3. The name of the faculty selected for the fellowship along with his/her one pager write up may be shared with Prof. PK every year through his personal email id.

In view of the above, it is proposed to partially revise the existing criteria for the selection of faculty for Prof. Rajeev Sanghal Faculty Fellowship Award as under:

Existing criteria	Proposed revised criteria
Sl. 1 to 5 of the BoG agenda (50.6.1.4)	No change
Sl. 6. Graduating batch+ last two graduating batches will vote i.e. for # class of 2020, class of 2019, 2018 and 2020 will vote. This is to help capture the impact over the medium term.	Sl. 6. Nominations may be invited from IIIrd and IVth year B.Tech,, IInd year M.Tech. and graduating Ph.D. students The process for inviting nominations may be started early in the Winter Semester
Sl. 7 to 10	No change

Sl. 11 -	Sl.11. The name of the faculty selected for the fellowship along with his/her one pager write up may be shared with Prof. PK every year through his personal email id.

During the course of discussions, the DoAA clarified the points raised by the members. After detailed deliberations, the Senate agreed to the above recommendations for partial revision of the existing criteria and recommended the same for approval of the Board of Governors.

Action: Academic Section/BoG

<mark>Annexure</mark>

50.6.1.4 Criteria for Prof Rajeev Sanghal Fellowship

The board in its 47th meeting noted the receipt of Rs. 25 lakh from Dr. P. Kumaraguru (PK) as funds that he got through the Wombat acquisition. In March 2018, Wombat Security Technologies was acquired by Proof Point for $225 Million. PK's Ph.D. thesis contributed in creating Wombat in 2008. Further to the receipt of funds, Dr. PK decided that out of the funds received, fellowships will be awarded each year to a faculty member having a wholesome impact on students. This fellowship will be called Prof. Rajeev Sangal's Faculty Fellowship.

Given below are the proposed criteria for awarding the fellowship:

1. Teaching - value 3.5 or above (as per the current criteria), Research - 'Good' or above (for 3 past years, i.e. from the time the batch started, E.g. for the class of 2020, August 2016 onwards)
    a. Only regular faculty members are eligible.
    b. Faculty members should have spent at least 3 years with IIIT-D.
    c. Prof. PK will not be eligible for this fellowship.
2. If received once, the same faculty member will not be eligible for the award next year.
3. This fellowship is open to faculty members of all disciplines.
4. Faculty members who qualify for this criterion will be selected further based on the votes of such B.Tech. students as detailed below.
5. Students can choose only one faculty member for the fellowship.
6. Graduating batch + last 2 graduating batches will vote, i.e. for # the class of 2020, class of 2019, 2018, and 2020 will vote. This is to help capture the impact over the medium term.
7. All eligible faculty members will be requested to submit a one-pager on what they think their impact on the campus among students is, including what they will do with the fellowship if they get it.
8. A committee of 3 or 5 faculty members (preferably majority / all being external) will look at the eligible faculty members, with student rating, and the one-pager to decide on the faculty member who will receive the fellowship. For committee formation, DOAA will share a list of up to 10 (minimum 6) external renowned academicians or researchers. The Director will choose any 3-5 members from the list to make the final committee.
9. Only one faculty every year will get the fellowship. It will be given every year on the Foundation Day.
10. At the end of the Academic Year after receiving the fellowship, the recipient will submit a one-pager on what was achieved with the fellowship and this report will be shared with the donor.

58.5.3.4 To consider the recommendation of the AAC for policy guidelines for payment of tuition fees by a sponsored candidate who joined IIITD as a Ph.D. student in the middle of the semester

The Dean of Academic Affairs apprised the members of the background and informed that Mr. Nikhil Bhargava joined the Ph.D. program as a sponsored candidate in the middle of Winter Semester 2023 i.e. on 8th February 2023. Normally a sponsored Ph.D. student has to pay the tuition of Rs. 1,50,000 once a year. Since he joined in the middle of the second semester, the AAC has deliberated over email and recommended for approval of the Senate the policy guideline for sponsored Ph.D. students who join in the middle of the semester. During the course of further discussions, the DoAA clarified the following policy guideline for sponsored Ph.D. students who join in the middle of the semester :

In the semester that the students start their Ph.D. before the add/drop date, they will be charged a tuition fee for that semester. However, if the students start their Ph.D. after the add/drop date, they will be charged a tuition fee for that semester if they register for course credits (> 0); otherwise, they will only be charged from the next semester. No past fee will be charged from the students starting their Ph.D. in Winter Semester. The students will pay the full fee from the regular semester of the next academic year.

After detailed deliberations, the Senate agreed to the above policy guideline/ clarification and desired that the same may be processed further through the FC for recommendation to the Board.

Action: Academic Section

58.5.3.5 To consider the recommendation of the Academic Affairs Committee (AAC) for Incentivising the M. Tech. Thesis

Dr. Sumit J. Darak apprised the members of the background and informed that the Academic Affairs Committee (AAC) in its 28th meeting held on May 08, 2023, considered a proposal of the Department of ECE for Incentivising the M. Tech. Thesis and observed/recommended as under:

"Dr. Sumit J. Darak presented the proposal to incentivize the M.Tech. Thesis. He informed the members that the proposal recommended in ECE FM aims at motivating the students to stay on campus for four regular semesters. Such students will receive reimbursement of 25% of their M.Tech. fee after completing the M.Tech. Thesis and TAship in four regular semesters. After detailed deliberations, the AAC agreed to the proposal and recommended it for consideration of the FC. Since the matter is common to M.Tech. CSE program as well, the Deptt. of CSE was also requested to discuss the proposal in their department for incentivizing and give their feedback for further consideration, latest by 16th May 2023."

Further to above the Department of CSE has informed that they have discussed the proposal in their department but there was not enough enthusiastic response among the department members. The matter requires in-depth discussion, so as of now, the department is not in favour of adopting the proposal for the CSE department.

After detailed deliberation, the Senate agreed to the proposal, in principle, and desired the ECE department to revise the proposal in light of the suggestions made by the external members.

Accordingly, the ECE department, after deliberation, has submitted the following revised proposal for incentivizing the M. Tech. Thesis, in order to motivate the students to stay on campus for four regular semesters:

- GATE students who stay on campus and do their thesis and TAship in all four regular semesters
- Non-GATE students who stay on campus and do their thesis, and TAship in the fourth semester

will receive reimbursement of 25% of their M.Tech. fee after completing the M.Tech. program. If a student opts for the scholarship scheme and wants to withdraw, the withdrawal can be made only until a fixed date (specified by the academic section). In case of withdrawal, the student will be ineligible for the scholarship/fee refund.

Action: Academic Section/ECE Department

58.5.3.6 **To consider the recommendation of the Academic Affairs Committee (AAC) for approval of regulations for the M.Tech. (Research) in CS&E proposed by the Department of CSE**

The Dean of Academic Affairs apprised the members of the background and informed that the Senate in its 57th meeting held on February 17, 2023, had considered earlier the recommendation of the Academic Affairs Committee (AAC) for starting an M.Tech. (Research) program in the Department of Computer Science & Engineering (CSE) and had observed/recommended as under:

"The Dean of Academic Affairs informed the members that the Academic Affairs Committee (AAC) in its 23rd meeting held on November 18, 2022, and 25th meeting held on February 10, 2023, has considered the proposal from the Department of CSE for starting an M.Tech. (Research) program and agreed to the proposal, in principle. Thereafter, Dr. Vinayak Abrol presented the salient features of the revised proposal for M.Tech. (Research) program and answered the queries made by the members. It was noted that 20 GATE seats (out of the total GATE seats of CSE) will be earmarked for this program and the entry eligibility requirement will be one CGPA higher than the regular M.Tech (CSE) program. The structure of this program is the same except that candidates admitted to this program will have to do a mandatory research thesis. They will be paid an Assistantship of Rs.21000/- p.m., (Rs.12400/- from AICTE and Rs. 8600 from the Institute). It was also noted that once admitted to this program, the candidates cannot go back and ask to move to other programs. After detailed deliberations, the Senate agreed to the proposal, in principle, and recommended the approval of the Board of Governors. The Senate also advised taking further necessary action to revise the proposal in the light of the suggestions made by the members, especially about reducing the course load and making the program attractive for prospective students."

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He further informed that subsequently, the proposal of the Department of CSE for starting a two-year M. Tech. (Research) Program from the Academic Year 2023-24 along with the above recommendation of the Senate was placed before the Board of Governors for consideration. The Board in its 60th meeting held on 28.03.2023 considered the proposal and decided as under:

"The Board noted that the proposal for starting M.Tech. (Research) program in the Department of Computer Science and Engineering (CSE) with an intake of 10 seats from the Academic Year 2023-24 was approved by circulation over email. The approval thus accorded may be taken on record and the Institute may proceed further with the program as per the recommendations of the Senate to the proposal of the Department of Computer Science, including the associated financials. Accordingly, the financial provisioning may be incorporated in the budget of the Institute for the Financial Year 2023-24 for 10 seats."

Thereafter, Dr. Vinayak Abrol presented the proposal and informed that pursuant to the above decision of the Board, the Deptt. of Computer Science and Engineering had formulated draft regulations for the M.Tech. (Research) program in CS&E; a copy of the draft regulation was circulated among the AAC members over email for perusal and comments. Based on the feedback received from the members over email the regulation for M.Tech. (Research) program in CS&E has been finalized and recommended for approval of the Senate as per **Appendix III** available at https://docs.google.com/document/d/1Ho0e72JAx3cFI2_kCgZqP9iEklsrd2d0M0J8 MZ0QR2Y/edit?usp=sharing.

During the course of further discussions, it was suggested to allow these students for grade improvement similar to the provision available for the regular M.Tech. program. It was also suggested to keep the continuing CGPA of 6.5 instead of 7. However, the graduating CGPA will remain at 7.00 as proposed in the regulation. After detailed deliberations, the Senate agreed to the recommendation of the AAC and approved the regulation for M.Tech. (Research) program in CS&E with the above changes.

Action: Academic Section/FC

58.5.3.7   To consider the recommendation of the Academic Affairs Committee (AAC) to allow the graduating/current batch of students to take either of the two 4-credit elective courses offered in the ENT minor, namely Foundations of Marketing and Social Entrepreneurship in lieu of a core course "New Venture Planning".

The Dean of Academic Affairs apprised the members of the background and informed that the following committee met on 16.5.2023 for resolving the situation faced by the students because one of the faculty members not being available to take a core course in ENT – minor, namely "New Venture Planning":

- Prof Tavpritesh Sethi (former faculty in-charge of Entrepreneurship) - Chair
- Prof Anupam Saronwala (Visiting faculty and Director/advisor of Incubation Centre and I-hub Anubhuti) - member

• Prof Pankaj Vajpayee (current faculty in-charge of Entrepreneurship) - member

After deliberations the above committee has observed that either of the other electives offered in the ENT minor, namely **Foundations of Marketing** and **Social Entrepreneurship**, fulfilled the conditions of New Venture Planning. Hence, the committee is of the view that if a student has done either of these two 4-credit courses, then that would be considered equivalent to New Venture Planning.

The AAC has considered and agreed to the above observation/recommendation of the committee over email and recommended for approval of the Senate.

During the course of discussions, the DoAA clarified the points raised by the members. After detailed deliberations, the Senate agreed to the recommendation of the AAC

58.5.3.8   To consider a proposal for starting a 2+2 joint degree collaborative program with the State University of Suny Albany, New York

The Dean of Academic Affairs apprised the members of the background and informed that the Senate in its 57th meeting held on February 17, 2023, had discussed a proposal from the State University of Suny Albany, New York, for a joint degree program and agreed in principle to the proposal. Subsequently, the Board of Governors in its 60th meeting held on March 28, 2023, vide item No. 60.6.2.3, considered the proposal along with the recommendation of the Senate and observed/ decided as under:

"The Board was briefed by the Director that the State University of New York at Albany, an R-1 category research university in the US, has been interested in building academic collaborations and starting joint degree programs. Three possible collaborative academic programs with individual degree awarding options, like a dual degree or joint degree, have been agreed upon in principle by the Senate. The Board accorded its approval to the proposal recommended by the Senate. Accordingly, the Institute and University at Albany, State University of New York, may workout the further modalities for these programs. The Director apprised that various other Universities from abroad have expressed intentions of starting similar academic and research partnerships, and the discussions are at advance stages. The Board appreciated the same and advised that the brand value of the Institute may be protected and the academic benefits for the Institute may be well defined before going for any joint academic programs"

Thereafter, Dr. Syamantak Das presented the proposal and informed that pursuant to the above a meeting was held at IIITD with Dr. Sanjay Goel, representative of the State University of Suny Albany, New York to work out the further modalities for these programs and after detailed discussions, it was agreed to initially start the 2+2 model and based on the learning /experience of this model other modules such as 4+1 and 3+1/1.5 model will be considered in the due course.

During the course of discussions, he answered the queries made by the members. It was noted that two separate degrees (B.Tech. from IIITD and BS from Albany) will be given to the selected students. Also, initially, there will be 10 seats for the existing students who got admitted to B.Tech. CSE through JAC and satisfy the mapping. After detailed deliberations, the Senate agreed to the proposal and desired that the details of mapping of courses, counting of credits, conversion formulae for calculation of CGPA,

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preparation of transcript etc. may be worked out soon and reported in the next Senate along with the draft MoU.

Action: Academic Section/CSE Department

While concluding the discussions, the Director (Chairman, Senate) thanked all the members/special invitees for their active participation in the deliberations. He also informed the members that Dr. Ashok Kumar Solanki would be completing his tenure as Registrar on 2nd June 2023 and, this would be his last meeting of the Senate. On behalf of the Senate, he thanked Dr. Solanki and put on record the excellent services rendered him to the Institute throughout his tenure as Registrar and Secretary of the Senate. The Institute wishes him every success in his future endeavor.

The meeting ended with a vote of thanks to and by the Chair.

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Entrepreneurship Minor Program

A B. Tech student can earn a minor certification in entrepreneurship by completing a total of 24 credits from entrepreneurship courses including a BTP and or IP/IS plus a compulsory apprenticeship.

There are 2 options in the minor program

Option 1	Option 2
24 credits of course work	16 credits coursework
	8 credit BTP registered under ENT track
Compulsory apprenticeship (pre-approved)	Compulsory apprenticeship (pre-approved)

The minor program is designed to provide students with a basic training in entrepreneurship and to nudge them towards entrepreneurial ventures and incubation.

Courses for a Minor in Entrepreneurship:

- Entrepreneurial Khichadi, (name being changed to Foundations of Entrepreneurship ENT 412 renamed Ent 3xx)
- New Venture Planning (ENT 415 renamed to ENT3xx),
- Entrepreneurial Communication (ENT 411)
- Creativity Innovation and Inventive Problem Solving (Ent 416/ENT 516)
- Social Entrepreneurship (ENT 3xx)
- Foundations of Marketing (ENT xxx)
- Foundations of Finance (ECO 331/ENTxxx)
- Effective Supply Chain for e-commerce (MGT 310)
- Entrepreneurial Finance (ENT 413)
- Valuation and Portfolio Management (ECO 332/ENTxxx)
- Micro-economics (ECO 301),
- Healthcare Innovation and Entrepreneurship Essentials (ENT 421/BIO 571
- Relevance of Intellectual Property for Startups (ENT 414)

- Other courses will be added to this basket on the recommendation of the faculty-in-charge (Entrepreneurship). The request to add a new course will be forwarded to AAC. The AAC will be empowered to add a new course.

BTP: A student can earn a maximum of 8 credits for a BTP. The BTP must be registered under Entrepreneurship track only.

Apprenticeship: This is expected to be an immersive experience for students during the Summer term (minimum 8 weeks), either working at a startup or towards incubating a startup. The eight-week requirement can also be met by working for a cumulative period of eight weeks during summer + winter break or over 2 summer breaks at the same startup. In case the startup is wound up for any reason whatsoever the student in such a case can do the remainder part of apprenticeship in a new startup. However, in case the startup refuses a student to continue after a break then the period already spent in case it is less than 4 weeks will not be counted towards the fulfillment of 8-week requirement.

This should NOT be considered as an internship at any company or organization. Students can enroll for this project only after seeking due approval from the faculty-in-charge Entrepreneurship. Students can register for Apprenticeship during summer term. Apprenticeship is compulsory for an ENT minor.

External Visits & Interactions: There are scheduled visits to startups and accelerators which students are expected to participate in. There are mentors and practitioners who visit the campus during scheduled hours for interactions with students in this minor program.

Benchmarking: Entrepreneurship minor programs at North American and Indian universities typically require 16-20 course credits, with desirable "extra-curricular" entrepreneurial activity for two semesters. Thus, the proposed 24- credit program that includes courses and entrepreneurship activities (BTP/Apprenticeship) is standard.

Sequencing:
Most of the courses can be taken by the students during /after their 2nd year. BTP can be done during the 3rd/ 4th year. Apprenticeship is recommended during the summer term.

Mandatory Part				
Course Code	**CSE102**			
Department	**CSE**			
Course Name	**Introduction to Data Structures**			
Credits	4			
Course Offered to	UG - First year			
Course Description	This course teaches the basic data structures and algorithms for performing operations on these data structures, using data structures to provide software solutions that are efficient, and some algorithm paradigms for building efficient algorithms. The focus of the course is on efficiency aspects of a program, i.e. developing programs for a problem that are efficient in time they and space they take to execute.			
Pre-requisites (Please insert more rows if required)				
Pre-requisite (Mandatory)	Pre-requisite (Desirable)	Pre-requisite(other)	Antirequisites (if any)	
Introduction to Programming				
Post Conditions				
There should be 2-3 CO for a 2-credit course and 3-5 CO for a 4-credit course.				

At least 1/2 of the COs should use a verb from B-IV (Analyzing), B-V (Evaluating), and B-VI (Creating) categories. Refer to the TAXONOMY sheet for the verbs allowed in these categories.					
CO1	**CO2**		**CO3**	**CO4**	**CO5**
E.g., You will be able to **compare** different algorithms for graph traversal.	E.g., You will be able to **apply** the principle of induction to prove identities.		E.g., You will be able to **classify** languages into complexity classes.	E.g., You will be able to **design** a database schema corresponding to a real-life scenario.	
Approved on	<date of approval by competent body>				
Proposed by	<name of the department that initially approved the course> CSE/ECE/CB/etc.				
Suggested Part					
The suggested list of topics					
	Topics		**COs Met**	**Assignment/Labs/ Tutorial for that topic**	**Expected hours of work outside of lectures (including labs, tutorials,**

				assignments, self-study, etc.) - typical recommended hours are 10-12 per week
	Introduction to Data Structures	CO1	1 Assignment, 1 labs, 1 tutorial on simple C programs	6
	Array, Pointers, Structures	CO1	2 Assignments, 2 labs, 2 tutorial on C Programming assignment (6) , gdb, google source code control	12
	Linked List, File Handling	CO2	2 Assignments, 2 labs, 1 tutorial: C Programming assignments on Linked List, GNU debugger,	6
	Stack Queues, BFS, DFS	CO2	2 Assignments, 2 labs, 1 tutorial on applications of BFS, DFS	12
	Growth of Functions and Recurrences, Divide and Conquer techniques: Merge-sort, Quick Sort	CO2	2 Assignments, 1 tutorial on recurrences	12
	Hash tables: Operations, Direct Address tables, Birthday paradox, hash functions, open addressing	CO3	1 Assignment on **Implementation of open addressing scheme**	6

	Heaps: Build, heap-sort, Priority Queue	CO3	1 lab on priority queue assignment in C	12
	Binary Search Trees, search, delete, insert	CO3	1 lab, 1 assignment on tree algorithms	6
	Linear time sorting Algorithms	CO4	2 labs, 1 assignment on linear-time sorting algorithms	12
*Please insert more rows if required				
Suggested Lab Plan (Remove if Not Applicable)				
	Laboratory Exercise Topic	COs Met	Platform (Hardware/Software)	
*Please insert more rows if required				
Assessment Plan				
Type of Evaluation	% Contribution in Grade			
Attendance	40% (Must attend 80% or more classes)			
Weekly assignment (at Japanese class)	40% (Must complete all assignments within deadline and Japanese Final Test)			
Weekly verbal test	20% (Must complete all tests)			
Resource Material				
Type	Title			

Textbook	Introduction to Algorithms, Cormen-Leiserson-Rivest-Stein, PHI			
Internet Resource	NPTEL by Naveen Garg, MIT Opencourseware lectures			
Reference book	Data Structure and Algorithms in C , Goodrich and Tamassia			

Levels of Cognitive Skills Based on Bloom's Taxonomy

	B-I Remembering	B-II Understanding	B-III Applying	B-IV Analyzing	B-V Evaluating	B-VI Creating
Definitions	Exhibit memory of previously learned materials by recalling facts, terms, basic concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions.	Solve problems to new situations by applying acquired knowledge, facts, techniques, and rules in a different way.	Examine and break information into parts by identifying motives or causes; make inferences and find evidence to support.	Present and defend opinions by making judgments about information, validity of ideas, or quality of material.	Compile information together in a different way by combining elements in a new pattern or by proposing alternative solutions.
Verbs	Choose, Define, Find, How, Label, List, Match, Name, Omit, Recall, Relate, Select, Show, Spell, Tell, What, When, Where, Who, Why	Classify, Compare, Contrast, Demonstrate, Explain, Extend, Illustrate, Infer, Interpret, Outline, Relate, Rephrase, Show, Summarize, Translate	Apply, Build, Choose, Construct, Develop, Experiment, with, Identify, Interview, Make, use, of, Model, Organize, Plan, Select, Solve, Utilize	Analyze, Assume, Categorize, Classify, Compare, Conclusion, Contrast, Discover, Dissect, Distinguish, Divide, Examine, Function, Inference, Inspect, List, Motive, Relationships, Simplify, Survey, Take part in, Test for, Theme	Agree, Appraise, Assess, Award, Choose, Compare, Conclude, Criteria, Criticize, Decide, Deduct, Defend, Determine, Disprove, Estimate, Evaluate, Explain, Importance, Influence, Interpret, Judge, Justify, Mark, Measure, Opinion, Perceive, Prioritize, Prove, Rate, Recommend, Rule on, Select, Support, Value	Adapt, Build, Change, Choose, Combine, Compile, Compose, Construct, Create, Delete, Design, Develop, Discuss, Elaborate, Estimate, Formulate, Happen, Imagine, Improve, Invent, Make up, Maximize, Minimize, Modify, Original, Originate, Plan, Predict, Propose, Solution, Solve, Suppose, Test, Theory

Regulations for M.Tech. (Research) Computer Science and Engineering (CSE)

1. **Preamble**

    IIIT-Delhi subscribes to the view that a Masters (Research) degree is primarily research-focused and aims to prepare a student to develop an adequate in-depth understanding of a foundational topic of today's computing technology. The decision whether the degree is to be pursued for skill and knowledge upgradation or also for building research skills at pre-doctoral level should rest with a student.

2. **Program Educational Objectives**

    The main PEOs of the program are to produce graduates that are well prepared:
    - PEO 1: to undertake research centric academic and/or industry careers involving problem solving using computing technologies.
    - PEO 2: to perform collaborative research & engagement with peers and lead innovation in projects.
    - PEO 3: to demonstrate the requisite breadth and depth of knowledge in advanced areas of Computer Science and Engineering.
    - PEO 4: to contribute to society by becoming a model professional who can communicate effectively and follow ethical behavior.

3. **Program Outcomes:**

    At the end of the program a student is expected to have an ability to:
    - PO 1: apply concepts from varied disciplines including computer science, electronics, mathematics, and the sciences, to engineer and develop robust and scalable systems.
    - PO 2: identify, formulate and analyze complex engineering problems, interpolate and extrapolate existing knowledge base and arrive at creative solutions.
    - PO 3: utilize cutting edge software packages, libraries, programming languages, and software development environments.
    - PO 4: make judicious use of resources and understand the impact of technology across the societal, ethical, environmental, and economic aspects.
    - PO 5: demonstrate knowledge by communicating the findings and effectively present the results.
    - PO 6: perform independent, continuous, and life-long learning required to excel in a professional career.

4. **General Requirements**
    a. **Eligibility Criteria:**
        i. B.E./B.Tech. in CSE/IT/ECE/EE, or an M.C.A., or an M.Sc. in Mathematics/Statistics from a recognized university (including state universities)/institute.
        ii. Percentage marks $\geq$ 75% or Equivalent CGPA.
        iii. Mandatory GATE in CSE/IT/EC/EE/MATH/ST

b. **Reservation:** The reservation policy shall be decided by the Board of Governors of the Institute. Exact details about these shall be provided in the admission prospectus each year.

c. **Program Structure:**

The overall credits requirement for the M.Tech. (Research) is 48 credits. In addition to 48 credits a student has to complete a summer refresher of 4 credits, Object Oriented Programming and Design (4 credits) and Research Methods (2 credits). Requirements of 48 credits are as follows:

    i.   4 courses equivalent to 16 credits of CSE 500 level or above from the list of courses available at http://techtree.iiitd.edu.in/ or being offered in a semester.

    ii.   M.Tech. (minor) thesis spanned over the first two semesters of the program with 4 credits registered in each of these semesters. The evaluation will comprise

        1.   Minor thesis submission in the prescribed format by the department adhering to the guidelines mentioned therein.

        2.   Minor thesis presentation by way of a poster or seminar at the end of the second semester.

    iii.   24 credits of M.Tech. thesis spanned over the second year of the program. The evaluation will comprise

        1.   M.Tech. thesis submission in the prescribed format by the department adhering to the guidelines mentioned therein.

        2.   M.Tech. thesis defense evaluated by a committee. The committee will include

            a.   A faculty member of the institute working in an allied area of the thesis topic.

            b.   A(n) (preferably external) expert familiar with the topic of the thesis.

Change of supervisor may be allowed in some special circumstances before the second semester starts.
There is no provision for students admitted to M.Tech. (Research) program in CSE to switch to regular M.Tech. program in CSE.
The students are allowed to take up internships in summer term with approval of the supervisor.

d. **Program Completion:**

    i.   Continuing CGPA of at least 6.5 in every semester.

    ii.   Graduating CGPA of at least 7.0.

    iii.   There will be an academic warning sent to the student if the CGPA falls below the minimum required.

    iv.   Students have the provision for grade improvement similar to the provision available for regular M.Tech Program.

    v.   Registration can be terminated if there are two consecutive warnings.

      vi.   Completion of credit requirements.

      vii.   Successful submission and defense of thesis.

      viii. (Desirable) Research publication at a reputed venue.

5. **M.Tech. (Research) Assistantship:**

   Rs. 21000/- per month as per the break-up give in the following:

   a. Candidates will be eligible for M.Tech. (Research) Assistantship for a maximum of 24 months from the date of starting of the classes at IIIT-Delhi. GATE score above the qualifying marks announced by GATE in the past two years and the current academic year, will be considered valid. Assistantship for M.Tech. (Research) students will be paid at the rate of Rs. 12,400/- per month as per the approval of AICTE.

   b. In addition, IIITD will provide extra support of Rs. 8600/- per month for a maximum of 24 months from the date of starting the classes at IIIT-Delhi.

   c. As specified in the Regulations for M.Tech./PhD Programs, a student who is offered an Assistantship will be required to do 10-15 hours of academic work per week in-lieu of the Assistantship.

6. **Conversion to Ph.D. Program:**

   a. An M.Tech. (Research) student can change his/her program, if permitted, to Ph.D. and continue to do the course/research work to enable him/her to meet the requirements of the Ph.D. degree. Only students with CGPA > 8.00 and who would have completed a minimum of 2 semesters and 20 credits in M.Tech. (Research) program will be eligible to apply for the change to Ph.D. program. The student will be eligible for Ph.D. stipend only from the time he/she is approved for enrollment as a Ph.D. student. Such a student, for Ph.D. credit requirement, may be treated as if he/she had joined the Ph.D. program from the start of the PG (here, M.Tech (Research)) program. The student may be granted an M.Tech. (Research) degree also, provided he/she fulfills all the academic requirements for the same. Such a student may also be refunded his/her M.Tech. (Research) tuition fee, if he/she successfully completes the Ph.D. program.

   b. An M.Tech. (Research) graduated student will be eligible to pursue the sponsored Ph.D. program of the institute with a 100% fee waiver if he/she starts the Ph.D. program within two years from his/her graduation date.

7. **Other General Regulations:**

   In addition to the specific regulation mentioned above, all other general regulations as specified in the institute's approved PG regulations will also be applicable for M.Tech. (Research) Program.

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Agenda Item No.	Particulars of the Agenda item	Action taken	Current Status
58.4.1.1	**To report the status of Cycle 3 NAAC accreditation**	For Cycle 3 NAAC accreditation, the AQAR for AY 2021-22 has been initiated. The deadline for filling out the form is September 30, 2023	<mark>Ongoing</mark>
58.5.1.1	**To consider the recommendation of the Academic Affairs Committee (AAC) regarding the review of the changes proposed by SSH Department in the Regulations of Minor in Entrepreneurship**	Noted for implementation	Closed
58.5.2.1	**To consider the recommendation of the Academic Affairs Committee (AAC) regarding the review of bucket courses for M. Tech. CSE Program**	Noted for implementation. However, for inclusion of AOMML (Applied Optimization Methods for Machine Learning (ECE666)) course in the Math Bucket the department of CSE has been suggested first to have a discussion in the CSE department.	<mark>Ongoing</mark>
58.5.2.2	**To consider the recommendation of the Academic Affairs Committee (AAC) for review of M.Tech. CSE Internship Rule**	Deferred to next meeting	<mark>Item Dropped</mark>
58.5.2.3	**To consider the recommendation of the Academic Affairs Committee (AAC) regarding the delay in the Ph.D. thesis evaluation process**	Noted for implementation The suggestion made by Dr. Gautam Shroff, an external Senate member to provide the video recording of the work done by the student to facilitate the examiners to expedite the report was noted for further discussion at the appropriate forum.	Closed Ongoing
58.5.3.1	**To consider the recommendation of the Academic Affairs Committee (AAC) regarding the review of**	Noted for implementation	Closed

	the IIITD Course Description format		
58.5.3.2	**To consider the recommendation of the Academic Affairs Committee (AAC) for replacing the mandatory 2-credit OOPD course**	Noted for implementation	Closed
58.5.3.3	To consider the recommendation **To consider a proposal for revision of criteria for selection of faculty for Prof. Rajeev Sanghal Faculty Fellowship Award**	Noted for implementation	Closed
58.5.3.4	**To consider the recommendation of the AAC for policy guidelines for payment of tuition fees by a sponsored candidate who joined IIITD as a Ph.D. student in the middle of the semester**	Noted for implementation	Closed
58.5.3.5	**To consider the recommendation of the Academic Affairs Committee (AAC) for Incentivising the M. Tech. Thesis**	Noted for implementation	Closed
58.5.3.6	**To consider the recommendation of the Academic Affairs Committee (AAC) for approval of regulations for the M.Tech. (Research) in CS&E proposed by the Department of CSE**	Noted for implementation	Closed
58.5.3.7	**To consider the recommendation of the Academic Affairs Committee (AAC) to allow the graduating/current batch of students to take either of the two 4-credit elective courses**	Noted for implementation	Closed

	offered in the ENT minor, namely Foundations of Marketing and Social Entrepreneurship in lieu of a core course "New Venture Planning".		
58.5.3.8	**To consider a proposal for starting a 2+2 joint degree collaborative program with the State University of Suny Albany, New York**	After detailed deliberations, the Senate agreed to the proposal and desired that the details of mapping of courses, counting of credits, conversion formulae for calculation of CGPA, preparation of transcript etc. may be worked out soon and reported in the next Senate along with the draft MoU.	<mark>Ongoing</mark>

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All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg,Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

APPROVAL PROCESS 2023-24

Extension of Approval (EoA)

F.No. North-West/1-38669412441/2023/EOA   Date: 15-May-2023

To,

The Principal Secretary
(Higher & Technical Education)
Muni Maya Ram Marg,
Pitam pura, Pitam Pura,
Near T V. Tower, Delhi-110088

Sub: Extension of Approval for the Academic Year 2023-24

Ref: Online application of the Institution submitted for Extension of Approval for the Academic Year 2023-24

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Education) Regulations, 2020 notified on 4th February 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-4968910421	Application Id	1-38669412441
Name of the Institution	INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI	Name of the Society/Trust	INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI
Institution Address	INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY - DELHI (IIIT-DELHI) OKHLA INDUSTRIAL ESTATE,PHASE III (NEAR GOVIND PURI METRO STATION) , DELHI, SOUTH DELHI, Delhi, 110020	Society/Trust Address	INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY, DELHI OKHLA INDUSTRIAL ESTATE,PHASE III (NEAR GOVIND PURI METRO STATION),OKHLA PHASE III,SOUTH DELHI,Delhi,110020
Institution Type	State Government University	Region	North-West
Year of Establishment	2019		

To conduct following Courses with the Intake indicated below for the Academic Year 2023-24

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2022-23	Intake Approved for 2023-24	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND APPLIED MATHEMATICS	NOT APPLICABLE	60	60	No	No

Application No:1-38669412441
Note: This is a Computer generated Report. No signature is required.
Printed By : aict13785

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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Letter Printed On:3 August 2023

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Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2022-23	Intake Approved for 2023-24	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND BIOSCIENCES	NOT APPLICABLE	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND DESIGN	NOT APPLICABLE	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	NOT APPLICABLE	120	120	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND SOCIAL SCIENCES	NOT APPLICABLE	60	60	No	No
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	NOT APPLICABLE	60	60	No	No
POST GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE AND ENGINEERING	NOT APPLICABLE	150	150	No	No
POST GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRONICS AND COMMUNICATIONS ENGINEERING	NOT APPLICABLE	60	60	No	No
POST GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTATIONAL BIOLOGY	NOT APPLICABLE	30	30	No	No

It is mandatory to comply with all the essential requirements as given in APH 2023-24 (Appendix 6)
The Institution/ University is having the following deficiencies as per the online application submitted to AICTE and the same shall be complied within Six Months from the date of issue of this EoA

Application No:1-38669412441   ALL INDIA COUNCIL FOR TECHNICAL EDUCATION   Page 2 of 4
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Deficiencies Noted based on Self Disclosure	
Particulars	**Deficiency**
1. Faculty Deficiency	Yes

*Please refer Deficiency Report for details

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC(NCL) / General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.

2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time are now amalgamated as total intake and shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2023-24 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.

3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Committee (IC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.

4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

5. As per the AICTE Notification dated 29.01.2014 and amended thereto, it shall be mandatory for each Technical Education Institution, University Department and Institution Deemed to be University imparting Technical Education to get accreditation (NBA) for at least 60% of the eligible courses in the next ONE (1) Years' time, otherwise EoA for the subsequent Academic Year (A.Y. 2024-25) shall not be issued by the Council.

6. Deemed to be University: Institutions Deemed to be Universities (Running Technical Education Programmes), It is mandatory to have AICTE approval from the Academic Year 2018-19 in compliance of the Hon'ble Supreme Court Order dated 03-11-2017 passed in CA No.17869- 17870 /2017.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy to:

1. The Director Of Technical Education**, Delhi

2. The Registrar**,
   Not Applicable

3. The Principal / Director,
   INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI
   Indraprastha Institute Of Information Technology - Delhi (IIIt-Delhi)
   Okhla Industrial Estate,Phase III
   (Near Govind Puri Metro Station)
   .
   Delhi,South Delhi,
   Delhi,110020

4. The Secretary / Chairman,

Application No:1-38669412441   ALL INDIA COUNCIL FOR TECHNICAL EDUCATION   Page 3 of 4
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INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY, DELHI
OKHLA INDUSTRIAL ESTATE,PHASE III
(NEAR GOVIND PURI METRO STATION)
OKHLA PHASE III,SOUTH DELHI
Delhi,110020

5. Guard File(AICTE)

Note: Validity of the Course details may be verified at http://www.aicte-india.org/

** Individual Approval letter copy will not be communicated through Post/Email. However, a consolidated list of Approved Institutions(bulk) may be downloaded from the respective login id's.

This is a computer generated Statement. No signature Required

राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

File No: 17-25-2013-NBA   **Date: 31-05-2023**

To,

The Director,
Indraprastha Institute of Information Technology, (IIIT) Delhi,
Okhla Phase -III, Near Govindpuri Metro Station,
Delhi-110020

Subject: Accreditation status of programs applied by Indraprastha Institute of Information Technology, (IIIT) Delhi, Okhla Phase -III, Near Govindpuri Metro Station, Delhi-110020.

Sir,

This has reference to your application I.D. Nos. **7159-04/08/2022 and 7171-10/08/2022** seeking accreditation by National Board of Accreditation to the UG/PG Engineering programs applied by **Indraprastha Institute of Information Technology, (IIIT) Delhi, Okhla Phase -III, Near Govindpuri Metro Station, Delhi-110020.**

2.   An Expert Team conducted onsite evaluation of the programs from 15th -17th April, 2023. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No.	Name of the Program(s)	Level (UG/PG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)		(3)	(4)	(5)	(6)
1.	Computer Science & Engineering	UG	Tier I (2nd Cycle- February, 2021 Document)	Accredited	Academic Years 2022-2023 to 2027-2028 i.e. up to 30-06-2028	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier
2.	Electronics & Communication Engineering	PG	May, 2017 Document	Accredited	Academic Years 2023-2024 to 2028-2029 i.e. up to 30-06-2029	

3.   It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4.   The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to **Indraprastha Institute of Information Technology, (IIIT) Delhi, Okhla Phase -III, Near Govindpuri Metro Station, Delhi-110020 as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

Contd.2/-

Tel: +91 11 2436 0620-22, 2436 0654; Telefax: +91 11 4308 4903
Website: https://www.nbaind.org |Email:membersecretary@nbaind.org

5. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

6. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

7. A copy each of the Report of Chairman of the Visiting Team and Evaluators' Reports in respect of the above programs is enclosed.

Yours faithfully,

(Dr. Anil Kumar Nassa)
Member Secretary

Encls.: 1. Copy of Report of Chairman of the Visiting Team.
2. Copy each of Expert Reports of the Visiting Team.

Copy to:

1. The Director,
   Department of Training & Technical Education,
   Govt. of NCT of Delhi, Muni Maya Ram Marg,
   Pitam Pura, New Delhi-110034

2. Accreditation File

3. Master Accreditation file of the State

राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

File No: 17-25-2013-NBA

Date: 21.07.2023

To,

The Director,
Indraprastha Institute of Information Technology, (IIIT) Delhi,
Okhla Phase -III, Near Govindpuri Metro Station,
Delhi-110020.

Subject: Extension of the Period of Accreditation status granted to PG Engineering program of Indraprastha Institute of Information Technology, (IIIT) Delhi, Okhla Phase -III, Near Govindpuri Metro Station, Delhi-110020 from 5 years to 6 years.

Sir,

This has reference to NBA's letter of even number dated 18.01.2018 under which PG Engineering program offered by your Institution was granted accreditation for 5 years in Tier-I from Academic Years 2017-2018 to 2021-2022 i.e., upto 30.06.2022 by National Board of Accreditation.

2.   National Board of Accreditation has decided that in all cases where PG Engineering programs of an Institution were granted accreditation for a period of 5 years under Tier-I/Tier II January 2013 Document, the period of accreditation of these programs shall be extended from 5 to 6 years subject to the condition that they meet the Pre-visit qualifiers. The Pre-qualifier submitted by **Indraprastha Institute of Information Technology, (IIIT) Delhi, Okhla Phase -III, Near Govindpuri Metro Station, Delhi-110020** in respect of the following PG Engineering program has been considered. The program meets all the parameters of pre-qualifier. Accordingly, the Competent Authority in NBA has approved the following accreditation status to the program as given in the Table below:

Sl. No.	Name of the Program(s) (PG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Computer Science and Engineering	Tier I January 2013 Document	Accredited	Academic Year 2022-2023 i.e. upto 30-06-2023	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier

Contd.2/_

3.   It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4.   The accreditation status awarded to the program as indicated in the above table does not imply that the accreditation has been granted to **Indraprastha Institute of Information Technology, (IIIT) Delhi, Okhla Phase -III, Near Govindpuri Metro Station, Delhi-110020** as a whole. **As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

5.   The accreditation status of the above program is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited program as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

6.   The accreditation status awarded to the program as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

Yours faithfully,

(Dr. Anil Kumar Nassa)
Member Secretary

Copy to:

1.   The Director,
         Department of Training & Technical Education,
         Govt. of NCT of Delhi, Muni Maya Ram Marg,
         Pitam Pura, New Delhi-110034.

2.   Accreditation File

3.   Master Accreditation file of the State

	Existing Senate Members	Changes
1.	Prof. Ranjan Bose, Director-IIITD (Chairman Senate)- **Ex-Officio**	
	EXTERNAL MEMBERS	**EXTERNAL MEMBERS**
2.	Prof. J K Verma, IIT Bombay	
3.	Prof. P. Vigneswara Ilavarasan, IIT Delhi	
4.	Prof. Sanjiva Prasad, IIT Delhi	
5.	Prof. Anil Prabhakar, IIT Madras	
6.	Prof. Dheeraj Sanghi, VC, JK Lakshmipat University, Jaipur	
7.	Prof. (Ms) Basabi Bhaumik, IIT Delhi	
8.	Prof. Kaushik Saha, IIT Delhi	
9.	Dr.(Ms) Lipika Dey, TCS	
10.	Dr. Gautam Shroff, TCS	
11.	Dr. Mythili Vutukuru, CSE, IIT Bombay	
	EX-OFFICIO INTERNAL FACULTY MEMBERS	**EX-OFFICIO INTERNAL FACULTY MEMBERS**
12.	Prof. Pushpendra Singh, DOAA & AAC Member	Dr. Sumit J Darak, DOAA & AAC Member
13.	Prof. Mukesh Mohania, DIRD	Prof. Pushpendra Singh, DIRD
14.	Dr. Anuj Grover, ADIRD	
15.	Prof. Sujay Deb, DoSA& AAC Member	
16.	Dr. Paro Mishra, ADoCA	
17.	Dr. Ojaswa Sharma, HoD, CSE	
18.	Prof. Vivek Bohara, HoD, ECE	
19.	Prof. GPS Raghava, HoD, CB	
20.	Dr. Kaushik Kalyanaraman, HoD, Mathematics	
21.	Dr. Kiriti Kanjilal, HoD, SSH	
22.	Dr. Rajiv Ratn Shah, HoD, HCD	Dr. Richa Gupta, HoD, HCD
23.	Prof. Anuradha Sharma, Chair AAC	Prof. Vikram Goyal, Chair AAC
24.	Prof. Anuradha Sharma, Chair PG Affair	Dr. Sneh Saurabh, Chair PG Affair
25.	Dr. Sumit J. Darak, Chair UG Affair	Prof. Angshul Majumdar, Chair UG Affair
26.	Dr. Debajyoti Bera, AAC Member	Dr. Jainendra Shukla, AAC Member (CSE Nomination)
27.	Dr. Vinayak Abrol, AAC Member	Dr. Vinayak Abrol, AAC Member (CSE Nomination)
28.	Dr. Saket Anand, AAC Member	Dr. Shobha Sundar Ram, AAC Member (ECE Nomination)
29.		Dr. Sanat Biswas, AAC Member (ECE Nomination)
30.	Dr. Rakesh Chaturvedi, AAC Member	Dr. Sonia Baloni Ray, AAC Member (SSH Nomination)
31.	Dr. Debika Banerjee, AAC Member	Dr. Sneha Chaubey, AAC Member (Math Nomination)
32.		Dr. Monika Arora, AAC Member (Math Nomination)
33.	Dr. K. Sriram, AAC Member	Dr. K. Sriram, AAC Member (CB Nomination)
34.	Dr. Ganesh Bagler, AAC Member	Dr. Arjun Ray, AAC Member (CB Nomination)
	Dr. Richa Gupta, AAC Member	Dr. Richa Gupta, AAC Member (HCD Nomination)
35.	Dr. Gayatri Nair, AAC Member	Dr. Gayatri Nair, AAC Member (SSH Nomination)
	INTERNAL FACULTY MEMBERS (Nominated)	**INTERNAL FACULTY MEMBERS (Nominated)**
36.	Dr. A.V. Subramanyam	Dr. A.V. Subramanyam
37.	Dr. Pravesh Biyani	Dr. Pravesh Biyani

38.	Dr. Tavpritesh Sethi	Dr. Tavpritesh Sethi
	Registrar, (Non-voting Secretary)	Registrar, (Non-voting Secretary)
	ALUMNI MEMBERS	**ALUMNI MEMBERS**
39.	Dr.(Ms) Maneet Singh, B.Tech. CSE Class of 2015 Ph.D. CSE Class of 2022 Senior Specialist (AI) at AI Garage, Mastercard, India	Dr.(Ms) Maneet Singh, B.Tech. CSE Class of 2015 Ph.D. CSE Class of 2022 Senior Specialist (AI) at AI Garage, Mastercard, India
40.	Mr. Utkarsh Gupta, B.Tech. CSE Class of 2015 [ADM, Law and Order, Ranchi]	Mr. Utkarsh Gupta, B.Tech. CSE Class of 2015 [ADM, Law and Order, Ranchi]
	SPECIAL INVITEES (Student Representatives)	**SPECIAL INVITEES** (Student Representatives)
	President – Student Senate	President – Student Senate
	Vice President – Student Senate	Vice President – Student Senate

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ACADEMIC CALENDAR (MONSOON SEMESTER 2023)

Week 0 (Aug)
Mon	Tue	Wed	Thur	Fri	Sat
31	1	2	3	4	5
		3 Day Module (Wed–Fri)			H

Week 1 (Aug)
Mon	Tue	Wed	Thur	Fri	Sat
7	8	9	10	11	12
1st Day of Class				Last day of Add/Drop	H

Week 2 (Aug)
Mon	Tue	Wed	Thur	Fri	Sat
14	15	16	17	18	19
	Independence Day				H

Week 3 (Aug)
Mon	Tue	Wed	Thurs	Fri	Sat
21	22	23	24	25	26
				ESYA	ESYA

Week 4 (Aug–Sept)
Mon	Tue	Wed	Thur	Fri	Sat
28	29	30	31	1	2
		Rakshabandhan	Mid Sem Feedback		H

Week 5 (Sept)
Mon	Tue	Wed	Thur	Fri	Sat
4	5	6	7	8	9
			Janmashtami	Foundation Day Celebration (Post Lunch)	H

Week 6 (Sept)
Mon	Tue	Wed	Thur	Fri	Sat
11	12	13	14	15	16

Week 7 (Sept)
Mon	Tue	Wed	Thur	Fri	Sat
18	19	20	21	22	23
				Mid Sem Exam	Mid Sem Exam

Week 8 (Sept)
Mon	Tue	Wed	Thur	Fri	Sat
25	26	27	28	29	30
Mid Sem Exams (22nd Sept–1 Oct)			Id-e-Milad		H

Week 9 (Oct)
Mon	Tue	Wed	Thur	Fri	Sat
2	3	4	5	6	7
Mahatma Gandhi's Birthday	Mid Recess				H

Week 10 (Oct)
Mon	Tue	Wed	Thur	Fri	Sat
9	10	11	12	13	14
Last day of Late Drop			Approval of New Courses		

Week 11 (Oct)
Mon	Tue	Wed	Thur	Fri	Sat
16	17	18	19	20	21
					H

Week 12 (Oct)
Mon	Tue	Wed	Thur	Fri	Sat
23	24	25	26	27	28
	Dussehra				H

Week 13 (Oct–Nov)
Mon	Tue	Wed	Thur	Fri	Sat
30	31	1	2	3	4
			Pre Registration Starts		H

Week 14 (Nov)
Mon	Tue	Wed	Thur	Fri	Sat
6	7	8	9	10	11

Week 15 (Nov)
Mon	Tue	Wed	Thur	Fri	Sat
13	14	15	16	17	18
					H

Week 16 (Nov)
Mon	Tue	Wed	Thur	Fri	Sat
20	21	22	23	24	25
TT-Fri	*Complete all Internal Evaluation	End Sem Feedback		BTP Report Submission	H

Week 17 (Nov–Dec)
Mon	Tue	Wed	Thur	Fri	Sat
27	28	29	30	1	2
Guru Nanak's Birthday	Last Day of Class	End-Sem Examinations (29th Nov–10th Dec)			

Week 18 (Dec)
Mon	Tue	Wed	Thur	Fri	Sat
4	5	6	7	8	9
End-Sem Examinations (29th Nov–10th Dec)					

Week 19 (Dec)
Mon	Tue	Wed	Thur	Fri	Sat
11	12	13	14	15	16
BTP Presentation / Exam Copies to be shown to students	CW Presentations	SG Presentations	Moderation Meeting		H

Week 20 (Dec)
Mon	Tue	Wed	Thur	Fri	Sat
18	19	20	21	22	23
		**M.Tech. Thesis Evaluation Deadline	Result Declaration (Tentative)	Winter Vacation Starts	

Week 21 (Dec)
Mon	Tue	Wed	Thur	Fri	Sat
25	26	27	28	29	30
Christmas Day					H

Week 22 (Dec)
Mon	Tue	Wed	Thur	Fri	Sat
1	2	3	4	5	6
					H

Week 23 (Jan)
Mon	Tue	Wed	Thur	Fri	Sat
8	9	10	11	12	13
					H

TT: Adjusted Days
20th Nov – FRI TT

GH: Gazetted Holidays
Date	Holiday	Date	Holiday	Date	Holiday
29-Jul	Muharram, Saturday	30-Aug	Raksha Bandhan, Wenesday	28-Sep	Id-e-Milad, Thursday
15-Aug	Independence Day, Tuesday	7-Sep	Janmashtami, Thursday	2-Oct	Mahatma Gandhi Birthday, Monday
24-Oct	Dussehra, Tuesday	12-Nov	Diwali, Sunday	27-Nov	Guru Nanak's Birthday, Monday
25-Dec	Christmas Day, Monday				

H: This includes Saturdays/Sundays and GH

*Mid Recess & Summer Vacation - For UG Students only

Legend: TimeTable-Adjustment | Dropped GH | Examination Dates | Important Dates

*Complete all Internal Evaluation by the mentioned date and show all internal assessment marks / grades to students before the commencement of End Semester Exams

**M.Tech. students are advised to check the M.Tech. Thesis/SP/CapP Evaluation Guidelines

ACADEMIC CALENDAR
(Winter Semester 2024)

Week 0 (Jan)

Mon	Tue	Wed	Thur	Fri	Sat
1	2	3	4	5	6
		3 Day Module			H

Week 1 (Jan)

Mon	Tue	Wed	Thur	Fri	Sat
8	9	10	11	12	13
1st Day of Class				Last day of Add/ Drop	H

Week 2 (Jan)

Mon	Tue	Wed	Thur	Fri	Sat
15	16	17	18	19	20
				Odyssey	H

Week 3 (Jan)

Mon	Tue	Wed	Thurs	Fri	Sat
22	23 Friday TT	24	25	26	27
				Republic Day	H

Week 4 (Jan-Feb)

Mon	Tue	Wed	Thur	Fri	Sat
29	30	31	1	2	3
	Mid Sem Feedback			RIISE	

Week 5 (Feb)

Mon	Tue	Wed	Thur	Fri	Sat
5	6	7	8	9	10
					H

Week 6 (Feb)

Mon	Tue	Wed	Thur	Fri	Sat
12 Friday TT	13	14	15	16	17

Week 7 (Feb)

Mon	Tue	Wed	Thur	Fri	Sat
19	20	21	22	23	24
					Mid Sem Exam

Week 8 (Feb-March)

Mon	Tue	Wed	Thur	Fri	Sat
26	27	28	29	1	2
Mid Sem Exams (24th Feb - 3rd March 2024)					H

Week 9 (March)

Mon	Tue	Wed	Thur	Fri	Sat
4	5	6	7	8	9
Mid Recess					H

Week 10 (March)

Mon	Tue	Wed	Thur	Fri	Sat
11	12	13	14	15	16
Last day of Late Drop			Approval of New Courses		

Week 11 (March)

Mon	Tue	Wed	Thur	Fri	Sat
18	19	20	21	22	23
					H

Week 12 (Mach)

Mon	Tue	Wed	Thur	Fri	Sat
25	26	27	28	29	30
Holi				Good Friday	H

Week 13 (April)

Mon	Tue	Wed	Thur	Fri	Sat
1	2	3	4	5	6
			Pre Registration Starts		H

Week 14 (April)

Mon	Tue	Wed	Thur	Fri	Sat
8	9	10	11	12	13
			Eid-ul-fitar		

Week 15 (April)

Mon	Tue	Wed	Thur	Fri	Sat
15	16	17	18	19	20
			Ram Navmi		H

Week 16 (April)

Mon	Tue	Wed	Thur	Fri	Sat
22	23	24	25	26	27
*Complete all Internal Evaluation	Friday TT	End Sem Feedback		BTP Report Submission	H

Week 17 (April-May)

Mon	Tue	Wed	Thur	Fri	Sat
29	30	1	2	3	4
	Last Day of Class	End-Sem Examinations (1st May- 12th May 2024)			

Week 18 (May)

Mon	Tue	Wed	Thur	Fri	Sat
6	7	8	9	10	11
End-Sem Examinations (1st May- 12th May 2024)					

Week 19 (May)

Mon	Tue	Wed	Thur	Fri	Sat
13	14	15	16	17	18
BTP Presentation / Exam Copies to be shown to students	CW Presentations	SG Presentations	Moderation Meeting		H

Week 20 (May)

Mon	Tue	Wed	Thur	Fri	Sat
20	21	22	23	24	25
	**M.Tech. Thesis Evaluation Deadline		Buddha Purnima	Result Declaraton (Tentative)	H

Week 21 (May-June)

Mon	Tue	Wed	Thur	Fri	Sat
27	28	29	30	31	1
					H

Week 22 (June)

Mon	Tue	Wed	Thur	Fri	Sat
3	4	5	6	7	8
					H

Week 23 (June)

Mon	Tue	Wed	Thur	Fri	Sat
10	11	12	13	14	15

TT: Adjusted Days

- 23rd January - FRI TT
- 12th February - FRI TT
- 23rd April - FRI TT

H:This includes Saturdays/Sundays and GH

GH: Gazetted Holidays

Date	Holiday		Date	Holiday		Date	Holiday
26-Jan	Republic Day, Friday		25-Mar	Holi, Monday		29-Mar	Good Friday, Friday
11-Apr	Eld-ul-Fitr, Thursday		17-Apr	Ram Navmi, Wednesday		21-Apr	Mahavir Jayanti, Sunday
23-May	Buddha Purnima, Thursday						

*Mid Recess & Summer Vacation - For UG Students only

TimeTable-Adjustment	Dropped GH	Examination Dates	Important Dates

*Complete all Internal Evaluation by the mentioned date and show all internal assessment marks / grades to students before the commencement of End Semester Exams

**M.Tech. students are advised to check the M.Tech. Thesis/SP/CapP Evaluation Guidelines

Sl.No.	Roll No	Student Name
1	IIITDPGDCSAIAPR22-058	MOHAN PARVIN NAIR
2	IIITDPGDCSAIAPR22-016	ABBARAJU VISHNU PRASAD
3	IIITDPGDCSAIAPR22-081	ABHISHEK KUMAR RAI
4	IIITDPGDCSAIAPR22-078	ADITI GANDHI
5	IIITDPGDCSAIAPR22-051	ANURAG SINGH
6	IIITDPGDCSAIAPR22-082	BHARADWAJ RAHUL TRIPURARI
7	IIITDPGDCSAIAPR22-038	HAKIKAT BIR SINGH BHATTI
8	IIITDPGDCSAIAPR22-001	HITESH KUMAR SHARMA
9	IIITDPGDCSAIAPR22-040	MANIKANDAN A
10	IIITDPGDCSAIAPR22-065	R SENKAMALAM
11	IIITDPGDCSAIAPR22-031	RAM BHUSHAN AGRAWAL
12	IIITDPGDCSAIAPR22-070	SAMEENA FAROOQ
13	IIITDPGDCSAIAPR22-075	SAURABHI JAYANT KULKARNI
14	IIITDPGDCSAIAPR22-062	SHRADDHA SINGH
15	IIITDPGDCSAIAPR22-015	SRISHTI TYAGI
16	IIITDPGDCSAIAPR22-043	SANDHIYA U B
17	IIITDPGDCSAIAPR22-076	ADHIP MUKHOPADHYAY
18	IIITDPGDCSAIAPR22-018	ANKITA SHARMA
19	IIITDPGDCSAIAPR22-069	CEFARAHEL.S
20	IIITDPGDCSAIAPR22-046	DEBADRI DUTTA
21	IIITDPGDCSAIAPR22-047	DR SUDHIR KUMAR KALE
22	IIITDPGDCSAIAPR22-037	GAURAV AIRAN
23	IIITDPGDCSAIAPR22-022	INDRAJEET AMAR SUPATE
24	IIITDPGDCSAIAPR22-066	MADHU PRASANTH KAVURI
25	IIITDPGDCSAIAPR22-035	NEERA BHARGAV
26	IIITDPGDCSAIAPR22-006	PARTH BHARDWAJ
27	IIITDPGDCSAIAPR22-053	RAJU BISWAS
28	IIITDPGDCSAIAPR22-004	ROSHIE BHAT
29	IIITDPGDCSAIAPR22-011	MANDKE SAMAR ASHOK SHEELA
30	IIITDPGDCSAIAPR22-048	SHREYA RAWAT
31	IIITDPGDCSAIAPR22-007	SURUCHI RANI
32	IIITDPGDCSAIAPR22-024	THENMOZHI S.R.
33	IIITDPGDCSAIAPR22-080	VIVEK KUMAR

34	IIITDPGDCSAIAPR22-021	KOTIKALAPUDI MASTAN VIJAY
35	IIITDPGDCSAIAPR22-044	SOHAN VARGHESE V
36	IIITDPGDCSAIAPR22-055	DEBAJYOTI MISHRA
37	IIITDPGDCSAIAPR22-041	OMKAR PRASHANT KULKARNI
38	IIITDPGDCSAIAPR22-010	ANISHA CHIKOTI
39	IIITDPGDCSAIAPR22-059	ANKIT VIJAY SINGH
40	IIITDPGDCSAIAPR22-014	BALAJI T
41	IIITDPGDCSAIAPR22-050	DOLCY DHAR
42	IIITDPGDCSAIAPR22-012	HEMANTH KUMAR D
43	IIITDPGDCSAIAPR22-039	KANIKA PANWAR
44	IIITDPGDCSAIAPR22-032	KAVYA GUPTA
45	IIITDPGDCSAIAPR22-063	M S YOGESH PRASANTH
46	IIITDPGDCSAIAPR22-067	NIYATI DHINGRA
47	IIITDPGDCSAIAPR22-030	GURRAPU PRANAY BALAKRISHNA ANITHA
48	IIITDPGDCSAIAPR22-034	PRIYANKA NAYAK
49	IIITDPGDCSAIAPR22-013	VADDADI RAJENDAR
50	IIITDPGDCSAIAPR22-068	RIDHAM KHURANA
51	IIITDPGDCSAIAPR22-017	SAHANA MUTHUKUMAR GANTHIMATHI
52	IIITDPGDCSAIAPR22-028	SYED SHADULLAH SARTAJ
53	IIITDPGDCSAIAPR22-073	U.VINAYAK BHAT
54	IIITDPGDCSAIAPR22-026	VAIBHAV KUMAR SRIVASTAVA
55	IIITDPGDCSAIAPR22-029	SAMIR GROVER
56	IIITDPGDCSAIAPR22-072	ABHINANDAN KUMAR
57	IIITDPGDCSAIAPR22-019	AMARNATH R
58	IIITDPGDCSAIAPR22-005	ANKIT SHARMA
59	IIITDPGDCSAIAPR22-008	APARAJITA AGGARWAL
60	IIITDPGDCSAIAPR22-036	KINSHUK PAL
61	IIITDPGDCSAIAPR22-079	KANIKA SHARMA
62	IIITDPGDCSAIAPR22-071	KHYATI KANSAL
63	IIITDPGDCSAIAPR22-060	BEHERE MUGDHA RAJESHWAR
64	IIITDPGDCSAIAPR22-077	PRASHANT KUMAR
65	IIITDPGDCSAIAPR22-064	S S RAVIKUMAR PANJA
66	IIITDPGDCSAIAPR22-003	SANKET GADE
67	IIITDPGDCSAIAPR22-023	SHIVANGI SHARMA
68	IIITDPGDCSAIAPR22-020	TIWARI HARSH ARVINDKUMAR USHA

69	IIITDPGDCSAIAPR22-002	TULIKA BHUYAN
70	IIITDPGDCSAIAPR22-056	RUPESH RAMCHANDRA MORE
71	IIITDPGDCSAIOCT21-025	SOHAN
72	IIITDPGDCSAIOCT21-087	ARUNAVA DEY
73	IIITDPGDCSAIOCT21-084	SIDDHARTH SHARMA
74	IIITDPGDCSAIOCT21-006	ABHIJEET GANAPATRAO ARALGUNDKAR
75	IIITDPGDCSAIOCT21-001	NEERAJ VITHAL KAROSHI
76	IIITDPGDCSAIOCT21-050	CHITRANSHU BAHRANI
77	IIITDPGDCSAIOCT21-027	NIRMALA PRADHAN
78	IIITDPGDCSAIOCT21-041	PUNAM YADAV
79	IIITDPGDCSAIOCT21-062	AASHI RASTOGI
80	IIITDPGDCSAIOCT21-069	PONNEGANTI SANDEEP

Scytale Fellowship

Under the partnership MoU with IIIT Delhi, Scytale Alpha would sponsor up to 2 students starting Monsoon semester 2023 (August 1, 2023). The students are eligible to apply for the fellowship if they satisfy the following conditions:

The student must have already completed/ in the process of completing the necessary credits for the following courses: (i) Quantum Mechanics, (ii) Introduction to Quantum Computing and, (iii) Quantum Materials and Devices.

1. **Sponsorship terms**

   1.1 The students who have been granted this sponsorship and have accepted the same would be called **Scytale Fellow** for a period of minimum 1 year and maximum 2 years starting 1st August 2023. They would be referred to as **fellow** in the rest of the document.

   1.2 Each fellowship implies a commitment of Rs 30,000 per month by Scytale if the fellow has already completed the credits for the relevant courses.

   If the fellow is currently pursuing the credits for relevant courses, he/she 'll be eligible for a fellowship of 10,000 per month till the completion of the credits and 30,000 per month post completion of the credits.

   1.3 The fellowship will normally be awarded for 1.5 years and can be extended to a maximum of 2 years based on mutual decisions taken by project supervisors in IIIT Delhi and Scytale provided the Scytale project evaluation committee agrees.

   1.4 The fellow must present his/her accomplishments at the end of each semester. If the progress is unsatisfactory, the fellowship would be terminated.

1.5 The fellow must maintain a good academic performance (CGPA>=7.5) each semester for the duration of the fellowship as well as a "Satisfactory" report from both IIIT Delhi and Scytale advisors. Failing to do so would lead to a termination of the fellowship.

1.6 Each fellow would be expected to contribute to the R&D of the IIIT Delhi- Scytale collaborative project for 10 hours per week for the first two semesters. After the first two semesters, the students would invest 20 hours per week during regular semesters and 30 hours per week during the semester breaks towards the collaborative project.

1.7 The collaborative project can be carried out as a B. Tech project/M. tech thesis/Capstone. The evaluation towards grading would be carried out as per IIIT Delhi academic regulations.

1.8 There is no restriction for the fellow to appear in campus placement but if he/she plans to appear then the same should be shared with Scytale. If the fellow is selected and plans to join another organization, the same should be shared with Scytale. Scytale reserves the right to terminate the fellowship if they see a conflict of interest in terms of the fellow opting to join a competing company.

1.9 The fellow isn't allowed to take any other internships with any other companies/universities for the duration of the fellowship.

1.10 Scytale should be allowed to make a pre-placement offer based on the first two semester performance and all norms associated with PPO at IIIT Delhi should apply.

1.11 Fellow would be eligible for getting an experience certificate for the period of his/her employment.

2. *Proposed process of selecting the Scytale Fellows*

2.1 Interested students would apply within a deadline in the link shared.

2.2 In addition to the mandatory requirement of the coursework, the interested students must ensure that they satisfy the additional eligibility criteria (if any) advertised for the particular academic year.

2.3 The Fellowship would be offered based on CGPA. In case of more than one applicant competing for a single position, an interview would be conducted by Scytale and IIIT Delhi personnels.

2.4 If the student agrees to accept the fellowship, they would sign to accept the terms and conditions and share a copy with both IIIT Delhi and Scytale.

3. **Perceived benefits of the stakeholders**

We see a win-win situation for all the three major stakeholders: the students, IIIT Delhi and Scytale.

3.1 The students joining as fellows would receive a stipend while pursuing an undergraduate/postgraduate degree. They would also benefit from the industry experience.

3.2 IIIT Delhi would benefit from getting good students specializing in Quantum Technologies. The faculty would benefit from the joint collaboration/consultation opportunities.

3.3 Scytale would be able to attract young fresh talents to work on its projects while simultaneously supporting quality education.

IPR norms, confidentiality clauses, publications, liabilities and termination clauses of the main MoU would apply to this sponsorship.