

Agenda for 26th meeting of the Academic Affairs Committee (AAC) to be held on 10th Feb 2023 from 2.30 PM in the Senate Room, 7th Floor, R&D Building.

Item 1.	To confirm the minutes of the 25th AAC meeting held on 13th January 2023.
Item 2.	<p>Reporting Items</p> <ol style="list-style-type: none">1. The Department of CSE recommended adding the following new courses to the bucket of "Additional AI Applications Courses" for B.Tech. CSAI students. It was deliberated and approved over email. Speech and Audio Processing Concurrent and Learned Data Structures Computer Graphics Digital Image Processing ML Techniques for Real-Time Control Advanced Embedded Logic Design (AELD) Interactive Systems2. The Department of CSE also proposed to include the Concurrent and Learned Data Structure (CLDS) course in the DE and AI specialization of the MTech (CSE) program. It was shared with AAC members over email. Since no comments were received, it is considered as approved.3. To consider the recommendation of the Academic Affairs Committee (AAC) for revisions in the minor on Quantum Technologies4. The Center for Quantum Technologies (CQT) had approached the Academic Affairs Committee for the following changes in the minor on Quantum Technologies:<ol style="list-style-type: none">1) Quantum Information Theory (QIT) to be moved from bucket 2 to bucket 1. This would allow students to choose 3 courses from 5 (As of now, there are only 4 courses in bucket 1 that are being offered and the students have limited option).2) The following courses would be added to bucket 2: Information Theory (ECE501), Coding theory (MTH514), Lattices in Computer Science (CSE526), Advanced Solid State Devices.<p>It was circulated over email and since no comments were received it is considered as approved.</p>
Item 3.	To deliberate on Inclusion of ECE551/CSE515 - Bayesian Machine Learning in the AI (additional) core courses (B. Tech. CSAI Regulations document , App. I, part B.), and not an Application course for CSAI students.

The Department of CSE has also proposed the below mentioned courses for inclusion in AI core and Math elective buckets for consideration and further deliberation by AAC:

The following three courses were recommended to be included in "Additional AI Core Courses" ([Appendix-I.B](#)).

1. [Meta-Learning](#) (AI course - needs little justification)
2. [Trustworthy AI Systems](#) (AI course - needs little justification)
3. [Theories of Deep Learning](#) (AI course - needs little justification)

It was also agreed to include the following three courses to be included in the "Math Elective" ([Appendix-I.D](#)) (This is in addition to the core Math courses that include optimization, etc.)

1. [Information Theory \(New\)](#)
2. [Econometrics-1](#)
3. [Econometrics-2](#)

Justification for the Math Electives.

Information Theory has many applications in AI/ML.

For Econometrics (1 & 2), the following is the justification from Gaurav Arora (current instructor).

"Like ML and other data science courses, econometrics relies on multiple linear regression models as the mainstay methodology. A training in Econometrics is however a fundamental value-add as it deals with the journey from correlation (what/how) to causal inference (why); from employing experimental data to employing observational/non-experimental data for empirical analysis; and from a goodness-of-fit to inference-based models. These dimensions distinguish Econometrics from mathematical statistics or any other data science/engineering courses, which necessitates a mathematical exposition of the course. The mandatory project provides exposure to applications-based learning of statistical methods.

Dr. Saket Anand will present this item.

Item 4. To review if the Institute should have a CGPA criteria with respect to the semester exchange program with [JKLU](#).

The AAC is requested to deliberate on this matter.

Item 5. To review the bucket courses for M.Tech. CSE Program.

[Here](#) is the Department recommendation for reference. [Here](#) are the details when the proposed bucket courses were offered.

Item 6. To deliberate on M.Tech. Refresher/Preparatory Module offering

Feedback from ECE Department:

As decided in the ECE FM, the ECE department will continue with the PG refresher module as it is, as this module helps the students to prepare for the courses in the upcoming semester. However, the department's suggestion to the academic section would be to have Winter admissions also. The refresher module for the PG students admitted in the Winter session can be re-conducted.

The PG refresher module is also open for UG students. However, the students have to inform the Academic section in advance.

Feedback from CB Department:

M.Tech. CB preparatory module in CB FM, and our dept. members recommended to offer the same for the upcoming batches as well.

As you know, candidates from various UG backgrounds are eligible to apply for the MTech - Computational Biology program, making the preparatory module a key pillar of this program. During this module students can gain basic knowledge of biology, computation and mathematics, which is necessary to pick up the core as well as elective CB courses effectively.

Department might do a few changes in the module, before offering it to the upcoming batches.

Feedback from CSE Department:

1. The department highly recommends the current refresher modules of PG students. Online videos/ study materials can be made available to the late admissions, however there will be physical evaluation for all the PG students towards the end of the refresher module.

2. Further, during admission it is suggested that applicants should be given an option to apply to both, GATE and NON-GATE categories through a single application. This will help us make better decisions during the intake.

Item 7.

To deliberate on the process of Result Notification to be issued to PhD students after Thesis defense.

Sample Copy of [Provisional Certificate](#), IIT Delhi

Sample Copy of [Result Notification](#), IIT Delhi

Item 8.

To discuss the TAship allocation vs coursework of PhD students

Currently, we allocate courses for TAship to PhD students before the beginning of the semester. Many course instructors expect their TAs to attend all their lectures, and hence PhD students can't take any course offered in the same slot. The proposal is to assign TA duties to PhD students keeping in mind their coursework preferences.

Item 9.	<p>Two ECE instructors taught a course in the Monsoon semester 2022 but the course topics, evaluation, and exams were completely different. It was highlighted in the grade moderation meeting of the Department of ECE.</p> <p><i>AAC is requested to deliberate on this matter.</i></p>
Item 10.	<p>In the 24th AAC Meeting, the AAC discussed the travel support provided to B.Tech. & M.Tech. students for attending conferences. As per regulations, a travel assistance of Rs. 10k is provided to B.Tech. & M.Tech. students for attending conferences. A B.Tech. student can avail this facility once in their tenure and an M.Tech. student can avail it twice in their tenure.</p> <p><i>It was felt that the current travel support for B.Tech. & M.Tech. students is insufficient and needs revision in view of the rising cost of fare, registration fee, accommodation, etc. over the years.</i></p> <p><i>AAC is proposing to increase the travel assistance amount from 10k to 20k. We have received input from the Departments of ECE, Maths & CB, and they are agreeing to the proposed amount.</i></p>
Item 11.	<p>To deliberate on the domain of BTP for doing B.Tech. degree with Honors</p> <p>As per regulations for B.Tech. Honors</p> <p><i>"A student enrolled in a B.Tech. program may also graduate with Honors, provided the student completes all the additional requirements for Honors, as specified by the regulations for the program in which he/she is enrolled. These additional requirements normally should include:</i></p> <ul style="list-style-type: none"><i>a) The student earns at least 12 extra discipline credits from in-class courses.</i><i>b) The student's program includes a B.Tech. project.</i><i>c) The student has a CGPA of 8.0 or more at graduation.</i> <p><i>Regulation is silent on the domain of BTP for honors degree. The AAC is requested to deliberate on this.</i></p>

<p>Item 12.</p>	<p>To review IIITD Course Description format.</p> <p><i>The current course description document 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 tentative. It is proposed to divide the description into two parts: A mandatory part (changes require approval), e.g., name, description, credits, presence of lecture-tutorial-lab-project components (not necessarily the schedule), COs, (maybe) list of topics. And a “Tentative plan” component that may include a weekly schedule of labs-lectures-tutorials, 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.</i></p> <p><i>Also, it is proposed that the current taxonomy be updated with the revised “<u>Bloom’s taxonomy</u>” (Given below) from “<u>Computing Curricula 2020</u>” which has more actions/verbs which will allow more flexibility to design the COs. Annexure II</i></p> <p><i>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.</i></p> <p><i>AAC is requested to deliberate on this matter.</i></p>
<p>Item 13.</p>	<p>There are several UG and PhD students in the institute who neither apply for a semester leave nor register for the course/thesis credits. Some of the PhD students are in the 21st semester, and there is no update from them about their research progress or their plans for thesis submission. Many of them do not even respond to the emails sent by the institute/academic team. Here are the details for 0 registrations in the Winter 2023 semester.</p> <p>The AAC is requested to develop some mechanism to avoid this.</p>
<p>Item 14.</p>	<p>To deliberate on having financial penalty on Academic Warning cases for PhD students in Monsoon 2022 semester. Here are the details</p>
<p>Item 15.</p>	<p>To deliberate on the Mapping of Great Learning courses to credits (PG Diploma in CS&AI in collaboration with Great Learning)</p> <p><i>This item was discussed in the 23rd AAC Meeting and the AAC requested for extra details about the duration of live sessions and recorded sessions for further consideration. Here are the revised mapping details.</i></p>

Dr. Sanjit Kaul will present this item.

Item 16. To deliberate on a 6 months [Internship policy](#) for B.Tech students in their 6th or 8th semesters.

Dr. Piyush Kedia will present this item.

Any other items with the permission of the Chairperson.
