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भारतीय प्रौद्योगिकी संस्थान, कानपुर  
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शैक्षिक विभाग : पूर्वस्नातक शाखा

ACADEMIC SECTION: UNDERGRADUATE OFFICE

Chairperson, SUGC

14 November, 2018

To

All Members of the SUGC

**MINUTES OF THE 2018-2019/1<sup>st</sup> MEETING HELD ON 9<sup>th</sup> NOVEMBER, 2018 AT  
4.00 PM IN QIP CONFERENCE ROOM (ACADEMIC AFFAIRS BUILDING)**

**MEMBERS PRESENT**SUGC Members:

- |   |   |
|---|---|
| 1. Dr. Ashish Garg ( <b>Chairman</b> ) (MSE)                          | 11. Dr. Arshad Rahman (ECO)   |
| 2. Dr. Debabrata Goswami ( <b>Ex-Officio</b> ) (CHM)                  | 12. Dr. Kumudi Patil (HSS)  |
| 3. Dr. Vimal Kumar ( <b>Senate Nominee</b> ) (ECO)                    | 13. Dr. Ashish Garg (MSE)   |
| 4. Dr. Alakesh C Mandal (AE)  | 14. Dr. Sameer L. Chavan (MTH)  |
| 5. Dr. Saravanan Matheshwaran (BSBE)                                  | 15. Dr. Aditya H Kelkar (PHY)   |
| 6. Dr. Rahul Mangal ( <i>in place of Dr. Raghvendra Singh</i> ) (CHE) | 16. Dr. Ashish Dutta (ME)   |
| 7. Dr. Debabrata Goswami (CHM)  | 17. Dr. Animesh Mandal) (ES)  |
| 8. Dr. Sudib Kumar Mishra ( <i>in place of Animesh Das</i> ) (CE),    | 18. Dr. Sri Vanamalla (IME)   |
| 9. Dr. Anil Seth (CSE)  | 19. Dr. Nishith Srivastava ( <i>in place Dr. Ark Verma</i> ) (Cognitive Sciences) |
| 10. Dr. Pradeep Kumar (EE)  |   |

Student Representatives:

- |  |                          |
|--|--------------------------|
| 1. Mr. Siddhartha Srivastava ( <i>in place of Mr. Kunal Kapila</i> ) | 3. Mr. Vasundhara Rakesh |
| 2. Mr. Pratyush Rai  | 4. Mr. Saqib Mohammed    |
|  | 5. Mr. Ahilash Tushir    |

**MEMBERS REQUESTED FOR LEAVE OF ABSENCE**

Nil

**MEMBERS ABSENT**

- |                          |                          |
|--------------------------|--------------------------|
| 1. Dr. Naren Naik (PSE)  | 4. Dr. Pankaj Wahi (NET) |
| 2. Dr. R. G. Pala (MSP)  |                          |
| 3. Dr. D.P. Mishra (DES) |                          |

At the outset the Chairman, SUGC, welcomed all the members present, and subsequently, the agenda was taken up for discussion.

**Item No. 2: Announcement, if any**

There was no announcement made.

**Item No. 2: Confirmation of the minutes of the 2017-2018/9<sup>th</sup> (Adjourned) meeting held on 27<sup>th</sup> August, 2018 in JEE Conference Room (Academic Affairs Building)**

The draft Minutes of the 2017-2018/9<sup>th</sup> (Adjourned) meeting held on 27<sup>th</sup> August, 2018 were circulated among the members of the SUGC with a request to give their comments, if any, on the minutes. Since no comments have been received, the minutes were confirmed.

**Item No. 3: Noting the constitution of two sub-committees of the SUGC i.e., Academic Performance Evaluation Committee and Core Curriculum Committee for the Academic Year 2018-19**

The committee was apprised about the constitution of two sub-committees, namely, Academic Performance Evaluation Committee (APEC) and Core Curriculum Committee (CCC) consisting of the following members:

Academic Performance Evaluation Committee (APEC)			Core Curriculum Committee (CCC)		
Dr. Animesh Das	Chairman	CE	Dr. Sameer Chavan	Chairman	MTH
Dr. S. Vanamala	Member	IME	Dr. Animesh Mondal	Member	ES
Dr. Ark Verma	Member	COG.SCI	Dr. Aditya Kelkar	Member	PHY
Dr. Alakesh Mandal	Member	AE	Dr. Vimal Kumar	Member	ECO
Dr. S. Matheshwaran	Member	BSBE			

**Item No. 4: Consideration of the report of a Standing Committee of the SUGC which was constituted for evolving a mechanism for those students, who are academically deficient and to suggest the appropriate remedial measures for improvement of their academic performance.**

Based on the comments/feedback of a few departments, the report of SUGC'S Standing Committee constituted in its 2017-18/3<sup>rd</sup> meeting held on 30<sup>th</sup> December, 2017, was considered. The committee submitted its report for evolving mechanisms for academically deficient students and to suggest the appropriate remedial measures for improvement of their academic performance.

Since comments/feedback from only a few departments were received the item was deferred and all the members of the SUGC were requested to send the departmental comments/feedback for considering the report in its next meeting. It was felt that comments from those departments are essential who will participate in implementation such as Physics or CSE.

A few points that emerged from the discussion were:

- Two weeks is very short time for a bridge course.
- Timing of the bridge courses has to be re-evaluated.
- How do we assess whether the poor performance is due to the background or lack of effort?
- Is there a need for a test? Shouldn't all those who want to attend such a course be allowed to register?
- Can one think of a model based on online offering of such courses (e.g. NPTEL/MOOC), complemented by eligible and paid student tutors selected using a suitable criterion. Faculty members from concerned departments may be requested to developed such online modules on remuneration basis. Timing of these courses can be such that students in regular semesters can also benefit.

Once all the inputs are collected, the Chairperson of the committee will be requested to re-look the proposal and to provide more details, specifically from the implementation point of view.

It was also felt that establishment of a study resource center should be delinked from this proposal and that should be pursued irrespective of this proposal as it would be helpful to the students.

**Item No. 5: Consideration of the request of Mr. Kunjal Shah (150353) a BT student of ME Department to give waiver for a Department Compulsory (DC) course ME231A by substituting with the course ESO204A.**

Request of Mr. Kunjal Shah to give waiver for a Department Compulsory (DC) course ME231A by substituting it with the course ESO204A which is a compulsory ESO course of AE Department was considered by the committee. The student had cleared it before opting for the branch change which was granted at the end of his fourth semester i.e. 2016-17-II. Although, waiver in the credits of Institute Core courses is not allowed by substituting these with other course, on the basis of having similarity in the course contents of both the courses, as recommended by both DUGCs, SUGC favorably recommended the above requested waiver to the Senate for its further consideration.

**Item No. 6: Consideration of the request of Mr. Shikhar (14645/14807645) a Dual Degree student of ME Department to consider Non-departmental course (OE) as a department elective (DE)**

The committee was apprised about the background for considering the non-departmental courses as a Department Elective (DE) of the Aerospace Engineering. Earlier, a proposal of AE department for considering a few courses of other departments, such as EE & ME, as Department Electives (DE) of AE Department was accepted by the Senate in its meeting held on 3rd May, 2018. However, the list did not include the course ME647A. Since the AE621A was not listed among the non-departmental courses which could be taken as Department Electives (DE), the request of Mr. Shikhar to allow him to substitute ME647A, a ME Department Elective (DE) by AE621A, a non-departmental elective was considered by the committee. Since DUGC (ME) suggested the equivalence between the two courses, SUGC favorably recommended the request of the student to the Senate for further consideration.

**Note on Item 5 and 6:**

While considering the above two requests, it was proposed by the SUGC that all the DUGC Conveners will be requested to go through the departmental course contents having similarity with the course contents of other IC/DC and non-departmental courses, based on which student may be allowed to substitute the appropriate course(s) by mapping the courses. This will reduce the need of case-to-case waivers and streamline the process to some extent.

**Item No. 7: Consideration of the request of Mr. Bhavy Khatri (150186), BS student of MTH department and pursuing Double Major in CSE, to allow to substitute the compulsory course of his Double Major program with the courses cleared in his parent department.**

Request of Mr. Bhavy Khatri to allow him to substitute the following compulsory course of his Double Major program with the courses cleared in his parent department due to similarity in the course contents was considered by the committee:

<b>Compulsory courses of BS in MTH Dept.</b>	<b>Compulsory courses of DM in CSE Dept.</b>
MTH204A (Abstract Algebra)	CS202A (Mathematics for Computer Science – II)
MTH302A (Mathematical Logic)	(Logic for Computer Science)
MTH401A (Theory of Computation)	CS203A (Mathematics for Computer Science – III)
MSO201A (Probability and Statistics)	CS340A (Theory of Computation)

After due deliberation whilst also considering the feedback of both the DUGCs, Committee recommended the waiver in the compulsory courses of Double Major program in CSE on the basis

of similarity in the course contents. However, the total credit requirements of Double Major program must be fulfilled by the student by doing other courses, as appropriate. The recommendations of the committee will be sent to the Senate for further consideration.

**Item No. 8: Consideration of the request of Mr. Utkarsh Sharma (150785), a Dual Degree (Category-B) student of CHE-ECO department to allow him to pursue his academic program in the same branch i.e., CHE instead of ECO**

Request of Mr. Utkarsh Sharma to allow him to change his Dual Degree program from Category-B (MT/MS to other departments) to Category-A (MT/MS in same department) was considered by the committee. Since no specific clause is mentioned in the UG Manual on reversal of branch change in the PG part of dual degree program or change in the Dual degree category during the tenure of the PG part of program and that there was no loss of seat, SUGC decided that the student will be allowed to change his Dual Degree Category from 'B' to 'A' from other department (i.e. ECO) to his parent department (i.e. CHE).

**Item No. 9: Consideration of the requests of the students to allow them to proceed to other institute/university as a non-degree students through exchange program for pursuing their course work.**

Requests of the following students, to allow them to proceed to other Institute/University as a non-degree student through exchange program for pursuing their course work during 2018-19-II semester was considered by the committee:

Sl. No.	Roll No.	Name of the student	Deptt.	Program	Name of the Institute/University and External Co-supervisor and Institute
1.	160259	Gargi Singh	CSE	BT	Max Planck Institute for Software Systems, Germany
2.	150072	Akash Kumar Gupta	ME	BT-MT	Ecole Centrale De Nantes, France
3.	160004	Aakash Lahoti	CSE	BT	EPFL, Switzerland

Since all the eligibility criteria have been fulfilled by the students, requests of the above cited students were accepted by the SUGC.

**Item No. 10: Consideration of the requests of the students to give waiver against the courses they had cleared in other University/Institute as a non-degree student under Exchange Program**

Request of the following students to give waiver in the credit requirements in lieu of the courses they had cleared in other Institute/University in (2017-18-II) as a non-degree student, under exchange program was considered by the Committee:

Sl. No.	Roll No.	Name of the student	Deptt.	Program	Name of the Institute/University and External Co-supervisor and Institute
1.	150616	Saket Jhunjunwala	CSE	BT	DUKE University, USA (2017-18-II Semester)
2.	150108	Anmol Porwal	CSE	BT	EPFL, Switzerland (2017-18-II Semester)

Based on the recommendation of the concerned DUGC, it was decided by the committee that waiver will be given as per Clause 11.5.3 "Transfer of Credits and Waiver in-lieu thereof". **Item No. 11:**

**Consideration of the report of the SUGC's Standing Committee constituted for reviewing the various issues related to Undergraduate Academic Program**

Since departmental comments/feedback from most of departments were not received on the report of the SUGC's Standing Committee constituted for reviewing the various issues related to UG

Program, the item was deferred and all the members of the SUGC were requested to send the departmental comments/feedback for considering the report in its next meeting. A few concerns that were raised (such as what happens when there is no requirement of a supervisor in a Department, merger of Neeraj Mishra committee report and Deepak Gupta committee report, swapping of OEs with projects etc.) will be collated with the feedbacks received and will be brought back to SUGC in due course of time.

**Item No. 12: Consideration of the proposed changes in the existing course template of BSBE Department**

Request of the DUGC of BSBE to accept the following changes in the course template of BSBE department of various academic program was considered by the committee:

**A. Changes in BTech template (template no. BSBE-1):**

1. **Remark `5` should be removed.** This change is required in light of the changes proposed below in BT-MT category-A template.
2. **Change “SO-1[11] (MSO201A)” in 4<sup>th</sup> semester to “SO-1[11]”.** This change will allow students to choose the SO flexibly according to their interests.
3. **Replacing BSE211A[09] by BSO201A[09] in third semester.** BSE211A (Organ System, Physiology and Anatomy) is a departmental compulsory course in the third semester. The department is in the process of renaming this course as an SO course (BSE201A) to make it more accessible to other departments. To reflect this change from DC to SO for this course, the credit requirements of BTech students will also need to be adjusted in this manner: DC requirement will be reduced from 107 to 98, while SO/ESO requirement will be increased from 40 to 49 (both are within permissible limits). Remark 1 about the SO/ESO requirements will also be updated in light of this change. These changes should be done only after conversion of BSE211A to BSO201A is approved.

**B. Changes in BT-MT Category A (template no. BSBE-2):**

1. **Remove the “Mandatory UG Component” section:** BSE499A is moved to the PG component, and BSE498A is removed as a mandatory requirement (as some students convert to dual degree program after 7<sup>th</sup> semester). This section is therefore not required.
2. **Replace DE PG-4[09] by BSE499A[09]:** As the department has made BSE499A compulsory for dual degree students, it is fair that its 9 credits are counted in the PG component credit requirements, only for dual degree students.
3. **Replace remark 2 with this statement - “BSE499A is compulsory and will count towards PG component credits for category-A dual degree students”.**  
(This correction is needed to reflect the above two changes in the remarks).

**C. Changes in BT-MT Category B ((template no. BSBE-3)**

The current template for BT-MT category-B dual degree program in BSBE includes 9 courses in the PG part. Since the time the template was designed, some of the course numbers have changed and some courses have become obsolete. Accordingly, following corrections are requested in the template:

1. **Replace BSE632A[09] by BSE631A[09]:** With the implementation of the new PGRC, the department has been offering another course BSE631A (BIOCHEMISTRY & STRUCTURAL BIOLOGY) as a compulsory course for our 2 year MTech program. It is similar in content to BSE632A, both being in the area of structural biology. BSE631A is a newer course that better fulfills the requirements of our students, and BSE632A is not being offered by the department due to limited faculty strength and considerable overlap with BSE631A.

2. **Replace BSE633A[09] by DE PG-1[09]:** This change is required to bring the BT-MT program in parity with the two year MTech program for which BSE633A is not a compulsory course, and to allow one elective in the 7<sup>th</sup> semester to allow a bit of flexibility in the course curriculum, as requested repeatedly by the students.
3. **Replace DE PG[09] by DE PG-2:** This correction is just a corollary of the above point.
4. **Remove Basket-A and remove remark 1:** Basket-A has become obsolete. The list of PG electives offered by the department has been updated and any PG elective offered by the department can be taken in PG electives, so the basket can be removed.

After due deliberation on the above cited proposed changes in the BSBE course templates, SUGC accepted the aforementioned changes, subject to approval by the Senate.

**Item No. 13: Consideration of the request of the General Secretary, Games & Sports to add the credits of the courses cleared in Summer of those deficient students who are placed on WR/AP at the end of even semester for re-evaluating their academic performance which may allow them to participate in any extra curriculum activities.**

The committee was apprised that the above request was sent to the Chairman, Senate by the General Secretary, Games & Sports in second week of September-2018. While considering the request, it was informed by the student members of the committee that this proposal was not yet considered by the Students Senate and hence, SUGC decided that the proposal will be sent back to the General Secretary, Games & Sports to route it through Students Senate whose inputs are essential.

**Item No. 14: Consideration of the request of Convener, DUGC of MTH Department to re-consider the credit waiver request of Ms. Ayushree Gupta (150179)**

Request of Convener, DUGC of MTH Department to re-consider the decision which was taken by the SUGC on the request of the student under reference for credit waiver was considered by the SUGC. Earlier, on the request of the student, it was decided by the Senate that waiver in the compulsory courses of Double Major Program was to be given but in lieu of that student will take two extra courses. But later on it was decided by the department that student will not be given waiver in a compulsory course MTH308A and hence it could not be substituted by the course ESO208A. However, department agreed that MSO201A could be substituted with HSO201A and appropriate credit waiver will be given due to similarity in the course contents. After due deliberation, SUGC agreed with the decision of the DUGC of MTH Department to give waiver of only of the courses i.e. MSO201A. SUGC requests the Senate for further reconsideration of the decision which was taken in its in its 505<sup>th</sup> meeting held on 22.12.2018.

**(Ashish Garg)**  
Chairman, SUGC

Copy to (for information): 1. Dean, Academic Affairs