Minutes of the 22nd Senate Meeting of IIIT-D held on June 19, 2013 at 02.00 PM in the Senate Room, B-wing, R&D Building, IIIT-D Campus, Okhla Industrial Estate Phase-3, New Delhi

Following members were present:

- Prof. Pankaj Jalote   -   Chairman
- Dr. Shreekant Gupta   -   External Member
- Mr. L.V. Subramaniam   -   External Member
- Dr. Kaushik Saha   -   External Member
- Prof. Samaresh Chatterji   -   Ex-Officio Internal Member
- Dr. A.V. Subramanyam   -   Internal Member
- Dr. Mohd. S. Hashmi   -   Internal Member
- Dr. Sanjit K. Kaul   -   Internal Member
- Dr. Shreemoy Mishra   -   Internal Member
- Dr. K. Sriram   -   Internal Member
- Dr. Sujay Deb   -   Internal Member

Following members attended via telecon:

- Prof. Anshul Kumar   -   External Member
- Mr. Subhashish Sengupta   -   External Member
- Prof. Ashwin Srinivasan   -   Ex-Officio Internal Member

Special Invitees:

- Prof. R.N. Biswas   -   Visiting Faculty - IIITD
- Dr. Rajiv Raman   -   Faculty – IIITD
- Dr. Subhashish Banerjee   -   Faculty – IIITD
- Dr. Pushpendra Singh   -   Faculty – IIITD
- Dr. Shobha Sundar Ram   -   Faculty – IIITD
- Dr. Gaurav Gupta   -   Faculty – IIITD
- Mr. K.P. Singh   -   In-charge-Academics
- Mr. Vivek Tiwari   -   DM-Academics
- Mr. Kuldeep Singh   -   AM-Academic

TWENTY-SECOND (22nd) MEETING OF SENATE OF IIIT-DELHI

MINUTES OF THE MEETING
(held on 19th June, 2013)

22.1 Opening remarks of the Chairman

The Chairman welcomed all to the meeting.

22.2 **Thanks to outgoing members and Welcome of new members**.

On behalf of the Senate of the institute the Chairman conveyed sincere thanks to all the outgoing Senate members for their valuable contributions made during their tenure. It was also decided to put it on record that their contributions were extremely useful for evolving the right policies to maintain standard of education at the institute and hope to get their continued support and cooperation even in the times to come.

The Chairman also welcomed the new Senate members and hoped for their valuable contributions in evolving the right policies to maintain standard of education at the institute.

22.3 Confirmation of minutes of the 21st meeting of the Senate:

Since there were no comments, the minutes of the 21st meeting were confirmed

ACTION TAKEN REPORT

22.4   Revised version of UG Manual:

The Senate noted the position. It was decided to release the revised/updated manual every year in the month of July.

22.5   Revised version of PG Manual:

The Senate noted the position. It was decided to release the revised/updated manual every year in the month of July.

22.6   Regulations for BTech(ECE)

The proposal was discussed under item No.22.15

ITEMS FOR INFORMATION

22.7   **Summary of Grade Change information for Winter Semester 2013**:

Chairman apprised the members of the changes in the grades in the recently concluded Winter Semester,2013. The course(s) where the number of changes were large was mainly due to change in the formula for awarding the grade and it is hoped that number of such cases will reduce in future. The Senate noted the changes for information.

22.8   **Tentative list of students likely to graduate as on 21 May, 2013**.

The Senate noted the position as given in the agenda.

22.9   **Status of PhD/MTech (CSE & ECE) admissions**:

  ➢ **Rolling PhD admissions:**

   The Senate noted and accepted the following students:
   1. Md. Ayatullah Maktoomi - ECE
   2. Senthil KK Mani   - CSE
   3. Amit Kumar Chauhan   -CSE

  ➢ **Migration from MTech to PhD**

   The Senate noted and accepted the following students:
   1. Rahul Kumar Mishra   ]
   2. Tarun Kumar Bansal   ] CSE
   3. Monika Singh   ]
   4. Megha Aggarwal   ]

   Dr. Gaurav Gupta informed that some more applications for migration to Ph.D. programme are pending and will be processed for consideration/ recommendation by the PGC shortly.

  ➢ **Regular PhD admissions:**

   The Senate noted the position as under:

   Based on the entrance examination held on **04th May, 2013**:

   • Three candidates were given offer of admission to **PhD (CSE)** and out of which 02 have accepted and deposited the registration charges.

   • Six candidates were given offer of admission to **PhD (ECE)** and all of them have accepted and deposited the registration charges.

Dr.Pushpendra Singh informed that about 35 applications have been received for rolling Ph.D. admission. The process of selection will be completed latest by 20th July,2013.

> ## M.Tech admissions:

The Senate noted the position and decided as under:

- Total valid applications received: **1498** (CSE:948, ECE:550)
- Total candidates accepted the direct admission offer to MTech on the basis of GATE score:**49** (CSE:36, ECE:13)
- Total candidates expected to attended written test to be held on 22 June, 2013: **506** (CSE:362, ECE:144)

  The Senate approved the proposal discussed in the FM to increase the intake of MTech (ECE) programme from 20 to either 30 or 40. The additional (10 or 20) students will be offered an option of getting 'General' ECE degree. The Senate also approved 20 seats for MTech (CSE) General.

> ## B.Tech admissions:

The Senate noted the position and decided as under:

- Tentative dates for 170 seats *(One supernumerary seat is reserved for Kashmiri Migrants and Ten supernumerary seats are reserved for foreign nationals.)* of B.Tech2013 admissions:

Release of online application form	7th July 2013(Sunday)
Last date for online application	17th July, 2013 (Wednesday)
Announcement of Merit List	20th July, 2013 (Saturday)
Counseling	25th July, 2013 (Thursday)
Orientation and registration	1st August, 2013 (Thursday)

- **Admission of Foreign Nationals**.

  The Board of Governors has approved 10 supernumerary seats for admission of the foreign nationals; the fee payable is US $5000 per semester.

  Based on the views expressed by the members, it was decided to initiate the admission of foreign nationals little early so that sufficient time is available for processing their applications. The practices available in other institutes/universities, registration dates for SAT etc. may be studied and the future admission schedule for them may be prepared in synchronization with international academic calendar.

  It was also desired that a separate meeting of the Faculty may be organized to discuss the process of registration of the Institute for SAT as well as the various modes of publicizing the international admission (through newspaper

advertisements, Foreign Embassies/High Commissions located in Delhi, Information Brochure, website etc) in order to attract more and more international students.

22.10 **Approval from University Grants Commission (UGC) under section 12(B):** The Senate noted that the Institute has received approval from UGC under section 12(B). This approval is perpetual and enables institute/faculty members to apply to UGC for various grants.

22.11 **Approval from AICTE:**
The Senate noted that further approval from AICTE has been received for CSE programmes. However, ECE programmes may get approval next year. The approval for change of site is also pending with the AICTE. The AICTE may be requested to expedite their approval for ECE programme as well as change of site.

22.12 Academic Calendar for Monsoon Semester 2013:
The Senate approved the academic calendar for the Monsoon Semester,2013.

22.13 **Information regarding Court Case related to BTech 2013 admission:**
The Senate noted the position in the Civil Writ Petition No.2847/2013 filed by Mr. Viyom Gupta before the Hon'ble Delhi High Court. The next date of hearing is now scheduled on 11.9.2013.

ACADEMIC & STUDENTS MATTERS

22.14 **MTech graduation requirement:** Chairman apprised the members of the existing regulation for award of M.Tech. degree. During the course of deliberations it was pointed out that earlier a student with assistantship could complete the M.Tech. degree in 2 years whereas others without assistantship could complete the requirement early. After detailed deliberations it was agreed that the MTech at this Institute being credit-based, the students could be awarded the degree as and when they complete the requirements for the degree, irrespective of their being a TAship holder or without TAship. The relevant regulation may be suitably modified to include this clarification.

22.15 Regulations for BTech(ECE)
Chairman apprised the members of the background for revision of the regulations for B.Tech.(ECE). After deliberations the Senate approved the revised regulations for B.Tech.(ECE). Chairman Senate was requested to approve the minor changes needed to incorporate the decisions of this Senate meeting in it.

22.16 **To consider having the following requirement for 3rd and 4th year for BTech(CSE) (ECE has already included this):**

Chairman apprised the members of the background of the proposal. After detailed deliberations the Senate approved the following requirement for 3rd and 4th year for B.Tech. (CSE):

A student must do a total of 32 credits (i.e. 8 full courses, an average of 2 courses per semester) of CSE (or ECE for ECE) courses in the last 4 semesters,without counting IP/IS/UR/BTP. Other courses, particularly from Maths and ECE (or CSE) may also be approved for counting as CSE (or ECE) courses for this requirement.

22.17 **To consider the possibility of restricting the aggregate credits of IP/IS/UR/BTP**

Chairman apprised the members of the background of the proposal for restricting the aggregate credits of IP/IS/UR/BTP – a concern that current regulations permit a student to take all together up to 24 credits through these. It was, however, noted that each of IP/IS/UR/BTP offer flexibility and have their own purposes. Furthermore, the data from the last year indicated that there were very few students who took a total of 20 credits or more in these together, and without exception, all of them were good students with CGPA of more than 8.0. After deliberations the Senate agreed that there is currently no need to restrict the total number of credits, particularly since it has already been agreed that a total of 32 credits must be earned through discipline courses, without counting credits earned through IP/IS/UR/BTP.

It was suggested that it is desirable to put the title of IS/IP/UR/BTP in the transcript, and Institute should consider it (e.g. this can be done in the Institute through footnotes in the transcript.)

22.18 **Re-discuss the structure of Minor.**
Chairman explained that the initial proposal for Minor (in 2009) had come when the Institute had only one program – IT. The structure proposed was too restrictive, and will not be able to accommodate the requirements of different subjects in which minor can be offered. Hence, it is desirable to have a flexible framework for the minor. The following proposal was discussed:
- A student who wishes to do a minor will have to do 12 extra credits (i.e. like in honors, extra work is required for the extra credentials the degree.)
- A proposal for minor has to be made and approved by the Senate.
- A minor in an <area>, must have at least 12 credits of course work in that <area>, and the total number of credits in the <area> required for the minor should be no more than 24.

The proposal was generally agreed. However, there are some specific issues which the UGC was requested to think about, before finalizing the framework for minor. The main issues were: (1) Can the extra 12 credits be counted both for Honor as well as Minor, (2) Can a student do more than one minors, and if so, will it require 12 credits extra for each minor, (3) Should there be a CGPA requirement for minor (as a student will have to earn extra credits). It should be kept in mind that streams do not have a CGPA requirement, and a student can do a stream without any extra credits.

22.19 **To consider the recommendation of the FM for considering "TA work as a zero credit course:** Chairman apprised the members of the recommendation of the FM for considering TA as a zero credit course in order to improve TA performance. It was noted that TA work is academic in nature and therefore, no

problems are anticipated in including such performance records on transcripts. As it is zero credit, the TA evaluation will have no impact on CGPA. Regarding the grading, it was agreed that for such a course most suitable scheme is one with few levels like – excellent, satisfactory, and unsatisfactory (though for practical reasons, current grade system with suitable restrictions may be used.) After detailed deliberations, the Senate approved the proposal with the above observations.

22.20 **To consider items deferred in 21st Senate meeting.**

- **Removing "Critical Reading" as a core course (and making it a HSS course.):** It was explained that given the background of our students, and the need to allow students to take more courses in other disciplines, now that we have started ECE, it is desirable to not have CR as a core course. It was also explained that for CSE students, we have only two Math courses in the core, while we have three courses in Communications – something that is not desirable. It was pointed out that the key aspect of CR – that the students read some classic essays – some of it can be shifted to COM101, where a few of these essays can be made part of their reading. The Senate approved the proposal.

22.21 **Making Software Engineering an elective course for BTech (CSE):** Chairman apprised the members of the background of the proposal. It was noted that Software Engineering was kept as a core course when the BTech program was in IT, where it was felt that special focus on application development must be given. While Software Engineering remains an important topic, it is rarely a core course in any CS program. In view of the fact that now our program is in CSE, the Senate agreed to the proposal to make Software Engineering as an elective.

However, to ensure that all students get a chance to take this important course, it was suggested that the Institute should regularly offer this course. It was also suggested that a set of such courses be identified which, though are electives, are important enough to be offered regularly so all students get a chance to take them. The UGC was requested to look into these courses / streams for appropriate action.

22.22 **Collaboration with Queensland University of Technology (QUT) for a Collaborative PhD programme:**

Chairman informed the members that IIIT-D has signed MoU with Australia's **Brisbane-based Queensland University of Technology (QUT)** for a collaborative PhD programme as part of their efforts to promote cooperative educational exchanges. The Senate approved the collaboration and appreciated that the Institute has taken this step, which can boost the PhD program.

22.23 Collaboration with ST Microelectronics:

Chairman informed the members that IIIT-D has entered into agreement with STMicroelectronics, G. Noida. Under the arrangement, the following four courses for MTech & PhD (ECE) students are being offered during the summer semester 2013:

a) **Memory Design and Testing:** Mr. Abhishek Lal & Mr. Anuj Grover
b) **Mixed Signal Design:** Mr. Anurag Tiwari, Dr. Anurup Mitra, Prof R.N.Biswas
c) **VLSI Design & Test Flow:** Mr. Om Ranjan & Dr. Rajeev Srivastava
d) **Multimedia Computing:** Kaushik Saha & Mr. Vivek Khaneja

Dr. Kaushik Saha apprised the members of the progress of the course. He also informed that they (STMicroelectonics) have identified the students for internship and for thesis guidance.

The Senate approved the collaboration and appreciated the Institute taking this step to boost active cooperation with Industry.

22.24 Recommendation/Report by PGC: None

22.25 Recommendation/Report by UGC:
The Senate considered the report/recommendations of the UGC and noted/decided as under:

1. Recommendaton in para 1 was approved. With regard to Linear Circuits the Senate desired that UGC should discuss with the concerned students and resolve the issue at its level. The UGC should also encourage the student to do IED.

2. Recommendaton in para 2 was approved.The Senate desired the UGC to look into the operational problem of non-starting of online courses again.

3. In respect of para 3, the Senate desired that UGC should consider the applications and take appropriate decision within the limit and report to the Senate in the due course.

22.26   To consider recommendation for the various Awards/Medals for Graduation for the year 2013:
The Senate accepted the recommendations of UGC / PGC as follow:
- **All round performance medal : Raghav Sethi (2009035)**
- **Best BTP:**
    - Engineering Track: No award to be given, as there was no nomination.
    - Research Track : No award to be given, as the research was not convincing or outstanding by any of the three nominees
    - Entrepreneur Track : None as no BTP was done in Entrepreneur track

- **Chancellor's Gold Medal: Mayank Pundir.**
- **Best MTech Thesis award:**Recommendation awaited.

22.27 Discussions regarding 2nd Convocation and related issues:

Chairman informed that Mr. Sam Pitroda, Advisor to the Prime Minister of India has agreed to be the Chief Guest at the 2nd Annual Convocation of the Institute to be held on 25 August, 2013 (Sunday).

22.28 Information regarding Disciplinary action against some students:

The Chairman explained that he has in principle accepted the recommendations of the DAC, and that he is requesting the Senate to consider the appeals made. For discussing the appeals, it was agreed that as DAC has spent long hours deliberating the matter the Senate will focus on (i) if the process followed by DAC was satisfactory, (ii) whether any extra information that has not been considered before has come to light, and (iii) whether some mercy/reduction of penalty should be given.

The process of DAC was explained – that all the faculty members in DAC had spent long hours deliberating the matter and listening to students, and had multiple meetings for this (one day from morning to night). In the deliberations all students who were charged were given an opportunity to explain, statements were taken in writing, etc. The Senate was satisfied with the process and appreciated the effort which DAC had put for processing these cases.

Regarding the extra information, it was felt that there is no significant information that was not considered by DAC (a statement from a subcommittee to this effect was also taken on record.)

Regarding the matter of mercy for the three students who appealed, it was agreed that the DAC's recommendation of a semester or a year drop may remain. However, it was agreed that Chairman, Senate, can work out with UGC chair, suitable approaches to allow the students to be gainfully occupied during this period, so a void is not created (this was one of the main appeals the parents had made to the Chairman.) For example, students may be allowed to repeat the year, repeat some course in which they have a backlog, audit some courses, do some project (without credit), etc.