AGENDA

Thirtieth (30th) Meeting of SENATE of

Indraprastha Institute of Information Technology Delhi

Date: **18 August, 2015**

Day: **Tuesday**

Time: **03.00 PM**

Venue: **Senate Room, B-wing, 5th Floor,**
R&D Building, IIIT-D Campus,
Okhla Industrial Estate, Phase-III,
New Delhi-110020

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30.31 NAAC Accreditation

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30.33 Any other item with permission of the Chair

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THIRTIETH (30th) MEETING OF SENATE OF IIIT-DELHI

AGENDA

General

30.1 **Opening remarks of the Chairman.**

30.2 **Confirmation of minutes of the 29th meeting of the Senate held on 21st April,2015.**

The minutes of the 29th meeting of the Senate, placed at <mark>Annexure-I, P13</mark>, were circulated among the members.

Chairman has pointed out that the item regarding the policy for attendance was not announced as an agenda item (it was discussed as part of another item) and student inputs were not taken for the same (student members were also not present). Hence, he recommends that we keep the older policy till discussions and inputs from Students has been taken.

30.3 **Approval of Academic Calendar for Monsoon Semester 2015**

A copy of the Academic Calendar for Monsoon Semester 2015 is placed at <mark>Annexure-II, P2</mark>8 for approval.

30.4 **To report the summary of Grade Change for Winter Semester 2015**

Details are placed at <mark>Annexure III, P</mark>29 for information.

30.5 **To report the students who are on semester leave during Monsoon Semester 2015**

The following students are on semester leave during Monsoon Semester 2015:

S.No.	Roll No.	Programme	Name	Reason for Leave
1	PhD1308	PhD (CSE)	Ankita Likhyani	For her marriage

30.6 **To report the new courses approved during the last year (2014-15)**

A list of new courses approved during Academic year 2014-15 is placed at <mark>Annexure-IV, P3</mark>0 for information.

30.7 **To report extension of term of the existing Senate members till August, 2015 or till the composition of the new Senate.**
Pending finalization of new nominations the Chairman, Senate has approved the extension of the term of the existing Senate members till August,2015 or till the composition of the new Senate whichever is later.

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

30.8   To report the release of UG/PG Regulations:

Based on the approval/decisions of the Senate the changes have been incorporated in the following UG/PG regulations and the same are being released for placing on the website:

- Regulations for BTech.Programs
- Regulations for MTech (CSE)
- Regulations for MTech (ECE)
- Regulations for MTech./Ph.D. Programs
- Regulations for BTech (CSE)
- Regulations for BTech (ECE)
- Regulations for Dual Degree programs
- Student Handbook
- MTech Student Handbook
- PhD Student Handbook

Senate may kindly approve the release of above regulations and handbooks.

30.9   To apprise the Senate about holding of 4th Convocation and related issues

Chairman, Senate will apprise the members about the convocation related issues at the time of meeting.

30.10   Tentative list of students likely to graduate as on 21 May, 2015 and 21 August,2015

A tentative list of students who completed graduation requirements as on 21 May, 2015 and 21 August,2015 will be placed on table.

30.11   To consider recommendation for various Awards/Medals for the year 2015

Recommendation for various Awards / Medals for the year 2015 will be placed on   the table.

UG ISSUES

30.12   To report revision of B.Tech. (CSE) program

The course curriculum of B.Tech.(CSE) program has been reviewed and a copy of the revised course structure of first 2 years is placed at Annexure-V, P31

Senate may kindly consider and approve the revised course curriculum.

30.13 To report revision of B.Tech.(ECE) curriculum

The course curriculum of B.Tech.(ECE) program has been reviewed and a copy of the revised course structure of first 2 years is placed at Annexure-VI, P31

Senate may kindly consider and approve the revised course curriculum.

30.14 To report the number of B.Tech. students migrated to Dual Degree program during academic year 2015-16

For migration to Dual Degree program 1 application was received and the student has been permitted to migrate to the Dual Degree program during academic year 2015-16:

S.No.	Roll No.	Programme	Name
1	2012121	BTech(ECE)	Abhinav Agarwal

30.15 To report the status of B.Tech. admission for academic year 2015-16

Status of B.Tech. admissions made for the academic year 2015-16 through (i) JAC and (ii) DASA. Discipline-wise/ Category-wise cut off ranks of the students admitted to IIIT-D is placed at Annexure VII, P32. A summary of no. of student applied for bonus marks, verification process followed, no. of students who joined with bonus marks is placed at Annexure VIII, P34.

30.16 To consider the proposal of awarding Chancellor's Gold Medal to only Honors students, and to explore other ways to encourage students to opt for Honors.

At present many students who are eligible for Honors do not opt for it. Honors was meant to be a program for students who can excel and take on more challenges. Honors data is given below:

Batch	No. of students eligible for Honors	No. of students who graduated with Honors
Batch 2009	20	7
Batch 2010	32	5
Batch 2011	45	3

Senate may consider ways to encourage students to opt for Honors, and to make Honors more prestigious and sought after. Chairman has already approved that in this convocation Honors students will be called first before the regular BTech students.

30.17 Clarification on Branch transfer of BTech. students from ECE to CSE and vice-versa

The Senate at its 29th meeting held on 21.4.2015 vide item No.29.18 has decided to permit branch transfer to the extent of 10% of the existing strength in any discipline. It is proposed that for computing the 10%, the student strength at the end of semester 2 will be taken, as was done this year.

30.18 To ratify the decision taken by the Chairman, Senate to allow registration of an online course (OC) in addition to IP/IS/UR in a semester.

As per earlier decision contained in Annexure-IV (vide 26th Senate Agenda),placed at Annexure-IX-P36, OC was put in bracket with IP/IS/UR and permitted only one course per semester. The Chairman, Senate has now considered the OC different from IS/IP/UR and therefore, allowed registration of OC in addition to IP/IS/UR in a semester.

Senate may kindly ratify the decision taken by the Chairman, Senate.

30.19 To report the decision of Directorate of Higher Education, Govt. of NCT of Delhi for grant of reservation in admission to the wards of Gallantry of Police, Paramilitary Forces and Fire Service Personnel

Director (HE), Govt. of NCT of Delhi vide letter dated 28.7.2015 has conveyed the decision of the Govt. of NCT of Delhi to follow the criterion followed by DTU in Joint Admission Counseling 2014 for grant of reservation in admission to the wards of Gallantry of Police, Paramilitary Forces and Fire Service Personnel, as part of CW (Defense) category. Specifically, CW has 7 priorities, and under 5th priority Gallantry awards like Police/Paramilitary/Fire/etc, as per Govt order, will also be included. It should be clarified, that there is no additional reservation, only inclusion of this category in existing reservations.

The above decision of the Govt. of NCT of Delhi is placed before the Senate for information.

30.20 Recommendation / Report by UGC

The following issues are placed before the Senate for clarification:

(i) Whether BTP can only be done in the branch of study or not. For example, can an ECE student do a CSE BTP or can students do design BTPs?

(ii) Whether credit limit of 8 for graduation for IP/IS/UR 8 applies to all streams as a whole, that is, a student cannot do, say, an IP and UR in CSE and additionally an IP in Psychology and an IS in HSS.

Senate may kindly consider the above and clarify.

M.TECH. ISSUES

30.21 To report the status of M.Tech. Admission for the Academic year 2015-16

The details of admissions made to M.Tech. programs for the Academic year 2015-16 are as under:

Program	No. of sanctioned seats	No. of seats filled	Vacant
M.Tech. (CSE)	80	63	17
M.Tech. (ECE)	40	39	01
M.Tech. (CB)	20	12	08
Total	**140**	**114**	**26**

30.22 To report starting of M.Tech. program in Computational Biology (CB) from the Academic year 2015-16

Considering the poor response and totality of the situation in the previous year, the Senate at its 27th meeting held on 20.8.2014 had deferred the starting of M.Tech. program in Computational Biology (CB) from AY 2014-15. This year the response has been good and the program has been started with 12 students.

The above is placed before the Senate for information.

30.23 To consider a proposal to float a 2-credit programming (refresher) course for new M. Tech CSE/ECE

For improving the programming ability of the incoming MTech CSE/ECE students (whose background is often weak and who have often not done much programming earlier), it is proposed to float a 2-credit programming (refresher) course in the first semester. At the end of the course the students are expected to have developed the ability to write sizable programs using good practices and tools. This course is being offered on a trial basis this semester, and all MTech students have been asked to register. As it is a refresher course, its credits will not count towards credit requirements for MTech.

Senate may also discuss the possibility of offering another 2-credit refresher course in 2nd Semester for incoming MTech students. A 2-credit refresher course will not disturb the plans of most MTech students as they typically take 3 courses in the second semester also.

Senate may discuss the issue of refresher courses for MTech students in totality, keeping in mind earlier decisions, and provide guidance.

30.24   Recommendation / Report by PGC: Awaited

Ph.D

30.25   To report the status of Rolling PhD Admissions

Rolling PhD admissions:

The following students have been admitted under Rolling PhD:

Sl. No.	Roll No	Program	Joining Date	Name	Migrated from
1	PhD15101	ECE	01.07.2015	Neha Jain	MTech
2	PhD15102	ECE	01.07.2015	Gade Narayana Sri Harsha	MTech
3	PhD15001	CSE	01.07.2015	Maneet Singh	BTech
4	PhD15002	CSE	01.07.2015	Shruti Nagpal	BTech
5	PhD15009	CSE	01.08.2015	Surabhi Garg	MTech
6	PhD15010	CSE	04.08.2015	Sellalmal Shekhar	NA {Sponsored Candidate (DRDO)}
7	PhD15106	ECE	01.08.2015	Sandeep Dogra	**NA**

30.26   To consider the issues related to payment of fees by Ph.D. students and grant of fee waiver to Sponsored students

Ph.D. students are currently in the following three categories:

(i)   **Sponsored students**: They are required to pay a tuition fee of Rs. One Lakh per year. They also pay registration fee of Rs.5000/- which is converted to security deposit (refundable on completion of PhD program).   They are not entitled to any financial assistance from the Institute, fee waiver, and on-campus placement. The

fee may be waived, especially for academic Institutions. They do not stay on the campus except for the course work. As of now, most sponsored students request fee waiver and it is granted.

(ii) **Regular students:** They pay only registration fee of Rs.5000/- at the time of joining PhD program, which is converted to security deposit (refundable on completion of PhD program). They are paid TAship as per rules of the Institute. They generally stay on the campus on payment of hostel/mess fees for the duration of the program.

(iii) Migrated from Regular to Sponsored: At present there is no clear guideline with regard to payment of fees by the students who migrate/convert from Regular to Sponsored category after joining a job.

It may be noted that currently Sponsored / regular Ph.D. students do not pay Campus Maintenance charge. The existing rules are also silent with regard to quantum as well eligibility criteria for fee waiver for the sponsored candidates. Also, some faculty members may have capability to pay the fee for PhD students – we currently do not have mechanism for this payment.

Senate is therefore, requested to consider the above issues and decide.

30.27 To report status of Writ Petition (C) No. 3858/2014 filed by Mr. Madhur Hasija

As per order dated 2nd December,2014 of the Hon'ble Delhi High Court, Mr. Madhur Hasija had given his acceptance for shifting to M.Tech.program. He is no longer Ph.D. student. He was asked to complete the registration formality for M.Tech. program and pay the fees but he has not completed the registration formality for M.Tech. program.

30.28 To report the summary of Ph.D. students' review held in July,2015

A summary of Ph.D. students' review held in July,2015 will be placed on the table.

30.29 To ratify the decision taken by Chairman Senate for Award of PhD Degree to Ms. Aditi Gupta

Chairman Senate has approved the PhD Thesis Defense (Viva Voce) report of Ms. Aditi Gupta. The Senate is requested to ratify the decision taken by Chairman Senate. The particulars of the student are given below:

Name	Roll No.	Title of Thesis	Supervisor Names	Reviewer Names
Aditi Gupta	Ph.D.1001	Designing and Evaluating Techniques to Mitigate Misinformation Spread on Microblogging Web Services	Dr. Ponnurangam Kumaraguru (PK)	1.Prof. Tim Finin, Professor of Computer Science and Electrical Engineering, University of Maryland Baltimore County (UMBC), USA 2.Dr. L V (Venkat) Subramaniam STSM & Manager - Data Fusion & Big Data Solutions, Member AoT, IBM Master Inventor India Research Laboratory, New Delhi, India 3.Dr. Jussara Almeida Associate Professor, UFMG (Universidade Federal de Minas Gerais), Brazil

30.30 Approval from AICTE

We had applied for approval of AICTE for (i) extension of approval of the existing programs for the year 2014-15, (ii) change of site, (iii) approval of two additional PG programs i.e. M.Tech. in Mobile Computing and M.Tech. in ECE (VLSI) and (iv) approval for Academic year 2015-16. The AICTE has conveyed approval for (i) and (ii) above. However, the approval for two additional PG programs is pending. For (iv), the AICTE has issued a letter of rejection. We have taken up the matter with the AICTE with facts of the case/ documentary proof and requested them to expedite the approval for the two PG programs as well as approval for Academic year 2015-16.

30.31 NAAC Accreditation

As per letter dated 12th May,2015 received from NAAC, the Institute has been accredited by NAAC with grade 'A'. A copy of the certificate issued by NAAC is placed at Annexure-X_P37 for information of the Senate.

30.32 Application for NBA Accreditation

We have submitted e-SAR for approval from NBA. The expert committee visit is on 11-12 September 2015.

30.33 Any other item with permission of the Chair

Minutes of the 29th Senate meeting of IIIT-D held on 21st April, 2015 at 03.00 PM in the Senate Room, B-wing, R&D Building, Okhla Industrial Estate, Phase-III, New Delhi-110020

Following members were present:

- Prof. Pankaj Jalote — Chairman
- Prof. K.K. Biswas — External Member
- Prof. Dheeraj Sanghi — External Member
- Dr. Kaushik Saha — External Member
- Prof. Shreekant Gupta — External Member
- Prof. Samaresh Chatterji — Ex-Officio Internal Member
- Mr. Hemant Kumar — Ex-Officio Internal Member
- Dr. A.V. Subramanyam — Internal Member
- Dr. Mohd. S. Hashmi — Internal Member
- Dr. Sriram K. — Internal Member
- Dr. Sujay Deb — Internal Member
- Mr. Ashwani Kumar Kansal — Secretary

Following member attended via telecon:

- Dr. Gautam Shroff — External Member

Special Invitees:

- Dr. Pushpendra Singh — Faculty-IIITD
- Dr. Mayank Vatsa — Faculty-IIITD
- Dr. Alexander Fell — Faculty-IIITD
- Mr. Manohar Khushalani — Visiting Faculty- IIITD
- Mr. K.P. Singh — Academic Incharge
- Ms. Sheetu Ahuja — AM -Academics

TWENTY- NINTH   (29th) MEETING OF SENATE OF IIIT-DELHI
MINUTES OF THE MEETING
(held on 21ˢᵗ APRIL, 2015)

General

29.1   Opening remarks of the Chairman.

The Chairman welcomed all to the meeting. Thereafter, agenda items were taken up for discussions.

29.2   Confirmation of minutes of the 28ᵗʰ meeting of the Senate held on 30ᵗʰ December 2014.

Since there were no comments, the minutes of the 28ʰ meeting of the Senate held on 30ᵗʰ December, 2014 were confirmed.

29.3   Approval of Academic Calendar for Summer Term 2015

The Senate approved the Academic Calendar for Summer Term 2015 placed at Appendix-I.

29.4   To consider the guidelines for moderation of grades

Chairman, Senate apprised the members of the proposed guidelines for moderation of grades. After detailed deliberations the Senate after making a few minor changes approved the guidelines as placed at Appendix-II`

29.5   To consider template for ascertaining report on conduct of Semester Examination

Chairman, Senate apprised the members of the need to closely monitor the attendance and reporting in the semester examination. After detailed deliberations the Senate approved the format for collecting information from the instructors as placed at Appendix-III. The Senate further desired that a summary of the information to be collected from the instructors may be placed before the Senate after each mid semester and end semester examination.

29.6   No. of Courses being taught in Winter 2015 and No. of Students Registered in each Course.

The Senate noted the position.

29.7   Total Number of Late Drops for Winter 2015

The Senate noted the position. However, it was decided that the practice of reporting under this heading be discontinued from the next meeting.

29.8   To report the summary of Grade Change for Monsoon Semester 2014

The Senate noted the position with the minor correction that faculty for course CSE 790 to be read as Dr. Ashish Sureka

29.9   To report the students who are on semester leave during Winter Semester 2015

The Senate noted the position.

29.10   To report the summary of student course feedback for Monsoon 2014

This item was dropped.

29.11   To apprise Senate about holding of 4th Convocation and related issues like Chief Guest etc

Chairman, Senate apprised the members of the forthcoming convocation. He also informed that selection of Chief Guest is still in process.

29.12   To report extension of term of the existing Senate members till end of Summer,2015

Senate ratified the approval given by Chairman, Senate for extension of the term of the existing Senate members till end of Summer,2015.

29.13   To report the list of students who completed graduation requirements on 21st Dec., 2014

The Senate approved the list of students who completed Graduation requirement on 21st December 2014.

UG ISSUES

29.14   To consider the revised B.Tech. (CSE) program

Chairman, Senate presented the salient features of the revised B.Tech. (CSE) program. After protracted discussions it was felt that the proposed changes need to be further relooked by the CSE faculty in the light of the discussions held at the meeting. Some of the concerns that were expressed are: the S&S course is better suited for 2nd year and that

is how it is done in most places; it is not appropriate 2nd semester course, particularly since there is a heavy math course already in that semester; it is better if it is considered as a Engg Science course for ECE students in 2nd year. Also, requiring Bio in first year was considered unsuitable as students may consider this "forced" and also having this course in 1st year may not serve the purpose of getting people interested in Comp Bio aspects. It was felt that the proposed changes need to be further relooked by the faculty and make suitable recommendations. Accordingly, the Senate deferred the proposed changes in the B.Tech. (CSE) program.

29.15 To consider the revised B.Tech. (ECE) program

Due to the concerns raised on CSE program, it was felt that there is no need to discuss this, and the changes to this program may be discussed together with CSE later.

29.16 To report modifications in Dual Degree regulation

The Senate noted the position. Any issue arising out of implementation will be resolved in a meeting of Registrar and the Director.

29.17 To consider the proposal for stopping of External BTP

Chairman, Senate apprised the members of the background of the proposal for stopping External BTP. After detailed discussions the Senate agreed to discontinue the External BTP. The Senate further desired that the students as well as Placement Unit may be suitably informed.

29.18 To review the existing rules for Branch transfer of BTech. students from ECE to CSE and vice- versa

Chairman, Senate apprised the members of the existing rules for Branch transfer from ECE to CSE and vice- versa. After detailed deliberations the Senate decided to permit branch transfer to the extent of 10% of the existing strength in any discipline excluding the repeaters. However for BTech 2014 batch transfer may be done by including the repeaters.

29.19 To report the number of B.Tech. students migrated to Dual Degree program during academic year 2014-15

The Senate noted the position.

29.20 To report increase of two more supernumerary seats (i.e. 12 seats) for B.Tech. admission through DASA

The Senate noted the position and approved   12 supernumerary seats (CSE-7 and ECE 5) for admission through DASA during the academic Year 2015-16.

29.21 To report attendance in the UG Core Courses

Chairman, Senate apprised the members of the earlier decision of the Senate on attendance vide its 26th meeting held on 25th June,2014 and the data presented in the summary sheet. The Senate noted that average attendance of students taken so far on random basis falls below the threshold. After detailed deliberations the Senate decided as under:

(a) For the current year the students whose average attendance in the core courses as shown in the summary sheet is below 75% be issued a warning for shortage of attendance and advised to improve his/her attendance in future, if some notice/email was sent to them. He/she may be further informed that in case his/her attendance in the core courses during next academic year falls below 75%, more serious action can be taken.

(b) From next academic year (2015-16), it was agreed that if the attendance in core courses falls below 75%, then the student will not be allowed to appear in the final exam – this is a rule prevailing in many institutions and it should be followed at IIIT-Delhi also to get students to attend classes more regularly. In addition, the following steps be taken:

    (i)   The attendance will be taken regularly, and will start soon after the semester starts.

    (ii) After one month of teaching, the report of shortage of attendance in core courses be communicated to the students as well as his/her parents

    (iii) For other non-core courses, the Instructor can give 10% weightage to attendance for which he/she will announce on the first day of the respective class.

    (iv) Any impersonation in marking attendance will have serious consequences and may lead to a Semester drop.

29.22 Recommendation / Report by UGC

(i)   To consider recommendation of the UGC to allow Economics as HSS course

The Senate considered and agreed to the recommendation of the UGC to allow Economics courses to count as HSS courses in general and also for the minor in Economics if taken by the student..

M.TECH. ISSUES

29.23 To consider starting of M.Tech. program in Computational Biology (CB) from Academic Year 2015-16

Chairman, Senate apprised the members of the earlier decision of the Senate where the M.Tech. program in Computational Biology (CB) was initially approved. However, due to inadequate response from the candidates the starting of the program from academic year 2014-15 was deferred. He informed that thereafter, the program has been reviewed and it is proposed to open to other disciplines also (other than CS/IT). Dr. Sriram K. presented the salient features of the proposal and answered the queries made by the members. The Senate approved the proposal after making changes in the eligibility criteria as per **Appendix-IV.** The Senate also suggested that the program be reviewed by some experts in the area, and authorized the Chairman, Senate to make appropriate changes based on that. Suitable changes in existing Regulation are to be done, which will be approved by the Chairman.

29.24 To consider recommendation of the PGC regarding Thesis / Scholarly paper guidance by Adjunct Faculty

Chairman, Senate apprised the members of the recommendation of the PGC made at its 5th meeting held on 30.1.2015 on the issue of guidance of M.Tech. thesis or Capstone Project by an Adjunct Faculty. After discussions the Senate agreed to the recommendation of the PGC and decided that a fresh M.Tech. student can be allowed to be guided by an Adjunct faculty only with a co-supervisor.

29.25 To report a list of thesis defense of 2012 batch M.Tech students.

The Senate noted the position and desired that the list may be placed on the IIITD website as well as in the Annual report.

29.26 Recommendation Report by PGC

(i) **To consider recommendation of the PGC to allow PG student (M.Tech./Ph.D.) to replace up to two courses in which he/she has obtained passing, but not good grade.**

Chairman, Senate apprised the members of the existing Regulation 14(2) b. for M.Tech. and Regulation 15(2) c. for Ph.D. and the recent recommendation of the

PGC made at its 7th meeting held on 1st April,2015 related to replacement of courses. After deliberations the Senate agreed to the recommendation of the PGC and decided that M.Tech. and Ph.D. students be allowed replacement up to two courses as and when the request is made by the concerned student.

PH.D. ISSUES

29.27 To consider modification of Regulation 15(7) dealing with Comprehensive examination of Ph.D. students

Chairman, Senate apprised the members of the existing PG Regulation 15 (7) dealing with Ph.D. Comprehensive examination. He also pointed out certain confusion among the students about the timeline for completing comprehensive examination. After detailed deliberations the Senate approved the following timeline recommended by the PGC:

A student is expected to complete his/her comprehensive examination as per the following timeline:

S.No.	Category of Ph.D.students	Time limit for completion of Comprehensive
1.	PhD students admitted directly from a BTech	5 semesters
2.	PhD students after completing MTech	3 semesters
3.	PhD students migrating from MTech	3 semesters from the date of joining PhD

A student, who fails the examination, will be allowed an additional half a semester (i.e. 3 months) to complete the comprehensive examination requirements

29.28 To report the status of Rolling PhD Admissions

The Senate noted the position.

29.29 (i) To report the summary of PhD students' review held in January,2015

The Senate noted the position and desired that the concerned students may be informed
suitably.

(ii) To report the data of Ph.D. students admitted through different channels and their progress

The Senate noted the position.

29.30 Status of Writ Petition (C) No. 3858/2014 filed by Mr. Madhur Hasija

The Senate noted the position.

29.31 Approval from AICTE
Registrar apprised the members of the present status.

29.32 Application for NAAC Accreditation

Registrar apprised the members of the present status.

29.33 Application for NBA Accreditation

Registrar apprised the members of the present status.

29.34 To review the existing credits for the BTP towards degree requirement

Chairman, Senate apprised the members of the existing provision for BTP credits in clause 4.6 of the Regulation for B.Tech.(CSE). He also informed that based on the experience gained in the past it is now felt necessary to reduce the present weightage for BTP credits towards fulfilment of degree requirement. After detailed deliberations the Senate agreed to the proposal to modify the existing clause 4.6 as under:

A BTech Project (BTP) is optional. A student opting for BTP, may take a total of 8 to 16 credits of BTP. However, at most 12 credits of BTP will count towards fulfilment of degree requirements. In a semester, the student can normally register for at most 8 credits of BTP.

The Senate also decided that relevant clause of B.Tech (ECE) regulation be modified accordingly.

The above change will apply from next year and the students may be informed of the same. Suitable changes in the regulations be made.

29.35 To consider relaxation in eligibility criteria for Kashmiri Migrants

Chairman, Senate apprised the members of the communication received from the Deputy Secretary to the Govt. of India, MHRD vide letter dated 12th March, 2015   conveying the decision of the Competent Authority for extending certain concessions to the Kashmiri Migrants in the matter of their admission to the institute till further orders. He also informed that at present the Institute reserves one seat for Kashmiri Migrants on supernumerary basis and there is no relaxation in minimum eligibility requirement. It was noted that the Institute currently provides 10 percent relaxation in minimum eligibility requirement to SC/ST and 5% to OBC, PwD and Defense category students. After detailed deliberations the Senate decided that 10 percent relaxation in minimum eligibility requirement be provided to Kashmiri Migrants for admission to B.Tech. program at the Institute.

Semester Schedule for Summer Term 2015

S.No.	Event	From Date	Day	To Date	Day
1	Pre-registration	30/04/2015	Thursday	05/05/2015	Tuesday
2	Registration	11/05/2015	Monday	13/05/2015	Wednesday
3	Commencement of classes	14/05/2015	Thursday		
4	Last date for course Drop (for Instructor driven courses)	20/05/2015	Wednesday		
5	Mid-Semester Examination	01/06/2015	Monday	03/06/2015	Wednesday
6	Last date for Late Drop (for Instructor driven courses)	10/06/2015	Wednesday		
7	End –Sem. Examination	13/07/2015	Monday	15/07/2015	Wednesday
8	Moderation meeting	20/07/2015	Monday		
9	Grades to reach UG/PG Section	23/07/2015	Thursday		
10	Verification of Grades	24/07/2015	Friday		
11	Announcement of Grades (tentative)	27/07/2015	Monday		

Monsoon Semester 2015

S.No.	Event	Date	Day
1	First Class of the Semester	03/08/2015	Monday

Moderation of Grades

1. All grades will be moderated by a moderation committee appointed by the Senate. Grades are finalized only after approval by the moderation committee to be appointed by the Director.

2. Moderation will normally be done in a faculty meeting, where each instructor (or his/her nominee) will present the grades and explanations for the grading scheme. If for some reason this is not done, moderation will be done later by the moderation committee.

3. Normally the final moderated grades will be as agreed by the Instructors (for courses), evaluation committee (e.g. for BTP), all the supervisors, including external (e.g. for IP/IS/UR).

4. For courses taught, or projects guided, by guest / adjunct / external faculty, the final moderated grade will be what is decided in the moderation meeting based on inputs from the guest/adjunct/external faculty.

5. In case of any exceptional situation, the moderation committee will decide the final moderated grade after deliberations. The final grade awarded by the moderation committee in such an exceptional situation will be reported to the Senate, along with reasons for the same.

6. Some examples of exceptional situations are: a complaint that the grade being given by an instructor/supervisor is for non-academic considerations; supervisors for an IP/IS/UR are unable to provide a consensus grade; the grade distribution in a course is, in the opinion of the moderation committee, extremely skewed and justifications by the instructor are not sufficient; the grades for a course (inclusive of BTP/IS/IP/UR) were not moderated in the faculty meeting convened for the purpose etc.

7. The final grades (on hard copy) given by guest / adjunct / external faculty who has no access to grade entry in the ERP, will be entered by the concerned official of the Academic Section. All such grade entries will be checked by the Incharge of the Academic Section to avoid any error or omission.

INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI

REPORT ON CONDUCT OF EXAMINATION

Please fill this form and submit to Academic Section after the examination

Semester: _____

Course No:_____ **Title:**_____

Instructor:_____

Date of Examination _____ **Time & Duration** _____**Room No.**_____

No. of Invigilators (other than Instructors)

   (i) Faculty_____**(ii)Students:**_____

No. of students in the course _____

No. of students present _____

List of students who were absent:

Roll No.	Name of the student

(a)   Was there any kind of disturbances during the Examination?   Yes/No
      (If yes, please give a report at the back of the sheet)

(b)   Was there any case of cheating?   Yes/No
      (If yes, please give details)

(c)   Any other comments/observations/suggestions:

Signature of Instructor In-charge(s)

Concept note on

MTech in Computational Biology

Motivation

The genomic revolution in biology enables one to answer many questions in medical sciences like personalized medicine, the etiology of diseases like cancer, HIV, SARS etc, etc. However, answers to these questions are impossible without the support of powerful computational and statistical tools that helps to understand and uncover the underlying systems level regulatory mechanisms (such as network design principles) responsible for diseases. With the advent of new biotechnological techniques, massive amounts of genomics data are generated at a rapid pace from the experiments and analysis of these data requires tremendous amount of domain knowledge, solid computational background and good programming skills. This has led to the development of a highly interdisciplinary field of Computational Biology and Bioinformatics which consists of a good amount of understanding of molecular biology, genomics, algorithms, programming, statistical computation, machine learning, stochastic processes, and other mathematical techniques that underlie biological design principles.

For developing skilled manpower for this field, an interdisciplinary program is needed which combine suitable aspects of biology, statistics, algorithms and mathematical models to analyze large-scale genomic and biological data in one program in a focused and strategic manner.

Currently few Institutions have strength and capability to offer interdisciplinary education in this area. IIIT-Delhi, with its strong focus on research, and with a good faculty in various CS and EE as well as Computational Biology, is well suited to offer such an interdisciplinary program of computing and biology. The proposed MTech program aims to train students in the key aspects of computing, bio informatics, and analysis of biological systems through the use of modeling and analytics.

Where the Graduates of this Program will be placed

This program fills a vacuum by creating manpower that can solve biology problems using computational techniques and data. Such manpower is needed in companies in life sciences, as they are generating large amounts of data and need manpower that understands the data and can apply computational techniques to analyze it and answer questions.

Types of Bio companies, Nucleome Informatics Pvt Ltd. http://www.nucleomeinfo.com (provide bioinformatics solutions to academic and industrial customers), Cellworks: http://cellworksgroup.com (systems biology approach to diseases and therapy), etc.

As student is building strength in computer science, as well as mathematical modeling through the biology courses, they can also find opportunities in IT companies that provide services and solutions to companies working Life Science, Medicine, etc. These can include: TCS Life

Sciences, StrandGenomics, ibtech: http://www.ibtechnology.com/ (http://www.optrahealth.com

An important career option for graduates of this program will be in Research – pursuing a PhD and then going for a research career. This is one of the most exciting possibilities, as R&D in Computational Biology and Life Sciences in general has great potential. Graduates of this program should be sought after by many computational and systems biology research groups across the world, including India. (To facilitate this option, the Institute will write to top departments in India and across the world and inform them about the strength of our program.)

Structure of the Program

The program will focus on strengthening key computer science capabilities needed for solving biology problems, and in developing skills in bio-informatics, techniques for modeling biological systems, analysis approaches for biological data, etc.

As this is an interdisciplinary program, it will have two basic courses in Computing and Biology to build the basic foundations in the two disciplines. These courses will be compulsory but will not count towards the credit requirement. These are:

- One intensive refresher course which will focus on strengthening background in Programming and Data Structures. (Most likely during the summer before the start of the first semester.)
- In their first semester, a course on "Foundations of Modern Biology" will be offered.

In the MTech program, the student will do 8 courses (in addition to the courses mentioned above) and a Thesis. The program will have 3 courses in computer science, which will strengthen capability in key areas of algorithms, programming, and parallel computing. These CS course are:

1. **Graduate Algorithms** (maybe with some Special Reading on Bioinformatics Algorithms)
   (OR) *It will be replaced by Algorithms in Molecular biology (see below).*
   (This course will deal with algorithm and complexity, greedy algorithms, exhaustive search algorithms, dynamic programming, divide and conquer algorithms, search trees, combinatorial pattern matching and randomized algorithms applied to molecular biology).

2. **Advanced Programming / practice of programming**

3. **High Performance computing /Machine Learning/Databases/Big-Data analytics (electives)**

The student will have to do 5 courses in Computational Biology – 2 or 3 will be compulsory, others will be electives. The required CB courses are [tentative]:

24

1. **Algorithms for Molecular Biology**
   (This course will deal with algorithm and complexity, greedy algorithms, exhaustive search algorithms, dynamic programming, divide and conquer algorithms, search trees, combinatorial pattern matching and randomized algorithms applied to molecular biology). **Note that the contents of this course will be changed and it'll be most probably designed by Prof. Srinivas Aluru**.

2. **Practical Bioinformatics**
   (This course will provide practical hands on experience to analyze large scale data sets that comes from genomics. This course deals specifically with introduction to genomics, comparative genomics, evolution and genomic changes, Mapping sequencing and annotation of databases, NextGen sequencing, and network biology.)

3. **Systems and Synthetic Biology Possibly a foundational course to provide background for Sys Bio and other courses. A 2 credit course on cell biology may be given.**
   (This course will provide design principles governing biological networks. This includes introducing network motifs like feedforward and feedback loops that occurs recurrently in biological networks, gene regulatory networks, signal transduction network, chemotaxis, robustness and evolvability and introduction to mathematical modeling of these phenomena.)

4. **Mathematical modeling of biological systems** (called Intro to Mathematical Biology)
   The aim of this course is to introduce mathematics as applied in quantitative study of biological systems. Both exact and numerical solution of differential equations (ordinary and partial) will be discussed. Dynamical systems theory based analysis will also be part of this course. We will use these mathematical tools to address problems in basic biology as well as in technological applications.

The elective courses are given below – this list will change and expand over time.

1. **Stochastic Simulations in Systems Biology and Biophysics**
   This course will introduce students to stochastic simulation techniques as used in solving biological problems. Topics include theoretical basis of stochastic simulations and master equations, Monte Carlo simulations (as a tool to obtain solution of master equations), kinetic Monte Carlo approaches, cell-to-cell variability and single cell biology, hybrid simulation techniques as applied to solve problems in biology and immunology.

2. **Applied Pharmaceutical Structural Biology**
   (This course will teach how to solve practical problems in pharmacology, life sciences and bioinformatics using free software and databases relating to the structure of

functional proteins and drug targets. The course will cover: Alignment sequences, database searching, techniques for prediction of secondary protein structure with computational tools and review of the Pfam and PROSITE databases. Techniques and methods for prediction of protein 3D structure: Background of molecular modeling and energy minimization. Tools for homology modeling of protein 3D structure and methods for validation of 3D structures. Practical exercises with the MODELLER software and structure validation with PROCHECK. The physical basis for molecular dynamic simulation. Exercises on molecular dynamic simulations of proteins with Gromacs. Molecular docking and drug screening. Tools and applications relating to computer-aided drug design. Practical exercises with Autodock)

3. **Computational Neuroscience** (Bioimaging like fMRI is introduced)
   (This course is introduced to understand neuronal networks from dynamical systems point of view. Properties of single neurons and network of neurons will be understood through the traditional Hodgkin-Huxley models and its variants. This course also provides an understanding of various concepts like long-term potentiation, long-term depression, and their relationship to formation of memory etc.)

4. **Biostatistics**

5. **Biophysics**
   (This course is of more fundamental and theoretical in nature that covers diffusion, biological application of diffusion, dissipation and drive. Random walks, polymer conformation, friction and diffusion, Fluid mechanics, Friction in fluid, Reynolds number, basic thermodynamics, entropy, temperature and free energy. Entropic forces, Chemical forces and self-assembly, Cooperative transitions in macromolecules, cooperativity, helix-coil transition, allostery. Enzymes and molecular machines, Smoluchowski equation, Michaelis-Menten kinetics.)

Thesis: Student will be required to do a thesis in Computational Biology – there is no scholarly paper option.

Note: A subset of these courses will be used for Minor in CB for BTech students.

Intake of students for MTech (CB) program

Intake in interdisciplinary program is always a challenge. Often an interdisciplinary program can benefit from taking students from different backgrounds. As the program focuses on CB, but will build sufficient CS background for graduates to use CS tools and techniques for CB problems, it will require some background in these areas. It will be best if the incoming students have: (i) decent programming knowledge and (ii) good math background

With this, the eligibility criteria for input to this program is proposed as:

(1) B.Tech/BE in CS/IT/Math-and-Computing

Or

(2) B.Tech/BE in any other discipline and must have done in their programme:

- at least one computer programming course, and
- at least two mathematics courses

All applicant must have a valid GATE score (2014/2015). They must have a CGPA of at least 6.5 out of 10 or 65% in B.Tech/BE and 60% in all previous degree including 10+2.

IIIT-Delhi provides relaxation to SC, ST, OBC, PwD and CW category candidates. Specially, candidates under these categories must have CGPA of at lease 6.0 out of 10 or 60% in B.Tech/BE and 55% in all previous degree including 10+2.

Fee Waiver and Scholarships

The institute will reduce the overall MTech fee by half for students in the first batches. The Institute hopes to find scholarships for students through DBT.

ACADEMIC CALENDAR
(MONSOON SEMESTER 2015)

Week 0 (July-August)

Mon	Tue	Wed	Thur	Fri	Sat
27	28	29	30	31	1
		Semester Begins			
Skill development Module for BTech Students					

Week 1 (August)

Mon	Tue	Wed	Thur	Fri	Sat
3	4	5	6	7	8
1st Day of Class			Last day for Late Regn.		Last day for course Add/Drop

Week 2 (August)

Mon	Tue	Wed	Thur	Fri	Sat
10	11	12	13	14	15
					Independence day / GH

Week 3 (August)

Mon	Tue	Wed	Thur	Fri	Sat
17	18	19	20	21	22
				ESYA *	

Week 4 (August)

Mon	Tue	Wed	Thur	Fri	Sat
24	25	26	27	28	29
	TT-Fri				

Week 5 (September)

Mon	Tue	Wed	Thur	Fri	Sat
31	1	2	3	4	5
				4th - Convocation	Janmashtami / GH

Week 6 (September)

Mon	Tue	Wed	Thur	Fri	Sat
7	8	9	10	11	12

Week 7 (September)

Mon	Tue	Wed	Thur	Fri	Sat
14	15	16	17	18	19

Week 8 (September)

Mon	Tue	Wed	Thur	Fri	Sat
21	22	23	24	25	26
Mid-Sem Examinations				Dropped GH	Week

Week 9 (September-October)

Mon	Tue	Wed	Thur	Fri	Sat
28	29	30	1	2	3
				Gandhi Jayanti / GH	

Week 10 (October)

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

Week 11 (October)

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

Week 12 (October)

Mon	Tue	Wed	Thur	Fri	Sat
19	20	21	22	23	24
Mid Recess			Dussehra		Muhharam

Week 13 (October-November)

Mon	Tue	Wed	Thur	Fri	Sat
26	27	28	29	30	31
	Dropped GH				

Week 14 (November)

Mon	Tue	Wed	Thur	Fri	Sat
2	3	4	5	6	7
TT-Fri					TT-Wed

Week 15 (November)

Mon	Tue	Wed	Thurs	Fri	Sat
9	10	11	12	13	14
		Diwali / GH	Holiday	Holiday	

Week 16 (November)

Mon	Tue	Wed	Thur	Fri	Sat
16	17	18	19	20	21
Pre-registration starts		TT-Fri	BTP Submission / Last Day of the Class		

Week 17 (November)

Mon	Tue	Wed	Thur	Fri	Sat
23	24	25	26	27	28
		Guru Nanak's Birthday			
End-Sem / GH	Examinations/Labs/Demos/Projects				

Week 18 (December)

Mon	Tue	Wed	Thur	Fri	Sat
30	1	2	3	4	5
		BTP Presentation			Pre-registration Ends

Week 19 (December)

Mon	Tue	Wed	Thur	Fri	Sat
7	8	9	10	11	12
Moderation Meeting	Winter Vacation starts	Announcement of Grades (Tentative)			

TT: Adjusted Days

Date	Time Table
25-Aug(Tue)	FRIDAY's Time Table
02-Nov (Mon)	FRIDAY's Time Table
07-Nov (Sat)	WEDNESDAY's Time Table
18-Nov (Wed)	FRIDAY's Time Table

GH: Gazetted Holidays

Date	Holiday	Date	Holiday
15-Aug	Independence Day (Saturday)	5-Sep	Janmashtmi (Saturday)
2-Oct	Gandhi Jayanti(Friday)	22-Oct	Dussehra (Thursday)
27-Oct	Mahrishi Valmiki's Birthday (Tuesday)	11-Nov	Diwali (Wednesday)
13-Nov	Holiday (Friday)	25-Nov	Guru Nanak's Birthday (Wednesday)
25-Sep	Eid-ul-Zuha (Bakrid) (Friday)		
24-Oct	Muhharam (Saturday)		
12-Nov	Holiday (Thursday)		

ESYA: Tech. Fest of IIITD

Legend: TimeTable-Adjustment | Dropped GH | GH / Holiday | Break | Important Events | Registration Days

Grade Changes Winter 2015

S. No.	Course	Course Code	Faculty	Student whose grades have been changed	Grade Change Details
1	Analysis and Design of Algorithms	CSE222	Rajiv Raman	Aditi Mithal(2013122)	D to C-
				Divyanshu Sharma(2013034)	F to D
				Gaurav Rajan(2012036)	D to C-
				Suchita Gupta(2013101)	D to C-
				Kartik Gupta(2013050)	D to C-
				Akash Kumar(2012011)	C- to C
2	Computer Organization	CSE112	Neeraj Goel	Himanshu(2014144)	C- to C
				Varun Bansal(2013168)	D to B-
				Varun Jain (2014170)	B to A
3	Information Retrieval	CSE508	Srikanta Bedathur	Shuktika Jain(2012163)	A- to A
				Shreya Tripathi(MT14024)	C to B-
4	Data Structures and Algorithms	CSE102	Sandip Aine	Ayush Agarwal(2014029)	B- to B
				Ankeet Swain(2014125)	F to D
5	Positive Psychology	HSS216	Akshay Kumar	Ratika Kumar(2011086)	B- to B
				Ananya Gupta(2011017)	B to A-
6	Designing Human Centred Systems	CSE501	Ponnurangam Kumaraguru	Ishita Ahlawat(2012042)	B- to B
7	Computer Vision	CSE544	Saket Anand	Ishant(PhD14002)	C- to C
8	Computer Networks	CSE232	Vinayak Naik	Aman Agarwal(2013009)	C to B-

New Courses Offered in AY 2014-15

Course_Code	Title	Instructor 2014-15	Credits
Monsoon 2014			
BIO400/BIO600	Foundations of Biology - II (new)	Sriram K	4
BIO506	Stochastic Simulations in System Biology and Biophysics	Subhadip Raychaudhuri	4
CSE352/CSE552	Security Engineering (new)	Sambuddho Chakravarty	4
CSE510A	Big Data Analytics (New)	Vikram Goyal	2
CSE622	Introduction to Quantum Computing (new)	Debajyoti Bera	4
CSE635	Programming Cloud Services for Mobile Appications (new)	Pushpendra Singh	4
CSE304	Practice of Programing (new)	Rahul Purandare	4
CSE560	GPU Computing (new)	Ojaswa Sharma	4
CSE561	Probabilistic Graphical Models (new)	Chetan Arora	4
CSE421/CSE621	Complexity Theory(New)	Debajyoti Bera	4
ECE452/ECE552	Statistical Signal Processing (new)	Angshul Majumdar+ Saket Anand	4
ECE539	Wireless System Implementation (new)	Vivek Bohara	4
ECE555S	Advanced Image Processing (new - 2 cr)	Angshul Majumdar	2
ECE528S	Special Topics RF Circuit Design (new - 2 cr)	M S Hashmi	2
ECE534	Optical Communication Systems(New)	Anand Srivastava	4
ECE672	Stochastic Estimation and Control (new - 2 cr)	Sachit Butail	2
ECE5xx	Principles of Digital Communication System (new)	Anand Srivastava	4
ECE535	Green Infromation and Communication Technology(new)	Sumit Darak	4
PHY3xx	Opto-Electronics (new)	*Subhash Chopra (G)*	4
Winter 2015			
BIO404/BIO6xx	Molecular Mechanics and Biological Physics/Biosimulations (New)	Arnab Bhattacherjee	4
BIO601	Foundations of Modern Biology (New)	Sriram K	4
CSE319/CSE519	Modern Algorithm Design (New)	Rajiv Raman	4
CSE534	Advanced Networks (New)	Dheeraj Sanghi (V)	4
CSE576/ECE576	Smart Sensing for Internet of Things (New)	Srikanth Saripalli (V)	4
CSE5xx	Introduction to Spatial Computing(New)	Vishwanath Gunturi	4
CSE5xx/ECE5xx	Object Oriented Programming & Design(New)	Manish Shrotriya (V)	2
ECE5CN	Communication Networks (New)	Sanjit Kaul	4
ECE556S	Multimedia Compression (2 credit - New)	A V Subramanyam	2
ECE632	Radar Systems (New)	Shobha Sundar Ram	4
HSS218	Philosophy of Religion (New)	Raj Ayyar (V)	4
MGT310	Effective Supply Chain Management for E-Commerce Businesses (New)	Sanjiva Dubey(G)	4

Proposed CSE Program Structure

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
IP	DSA	Adv Prog	DB		
DC	*Electronics*	CO	OS	CN	
Maths I	Maths II	DM	ADA		
SM	IED	*{Engg Sc: Math3, S&S, ELD, ..}*	*{TOC, Math 4, Optimization,..}*		
COM	HSS/Eco	[HSS]	*{Science/Bio/..}*	TCOM + Environment	

Proposed - ECE Program Structure

SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6
IP	DSA	*Circuit theory and Devices*	F&W	[DCS – core elect]	
DC	*Basic Electronics*	ELD	IE	[DSP – core elect]	
SM	IED	S&S	PCS		
Maths I	Maths II	Math III	Math IV		
COM	HSS/Eco	[HSS]/AP	*{Science/Bio/..}*	TCOM + Environment	

Admission Report for the year 2015-16

Level	CSE	ECE	CB	Total
PhD	10	7	3	20
M.Tech	63	39	12	114
B.Tech	118	75	NA	193

Cutoff of B.Tech

Cutoffs After Internal Sliding Without Bonus				
	CSE		ECE	
Allotted Category	Max of Rank	Max of IIIT-Rank	Max of Rank	Max of IIIT-Rank
GN,CW,Delhi	135951	6996	31848	3254
GN,CW,Outside Delhi	21672	2391		
GN,GN,Delhi	8103	929	15799	1798
GN,GN,Outside Delhi	2451	231	4390	463
OB,GN,Delhi	91538	6036	127458	6840
OB,GN,Outside Delhi	20283.01	2245		
SC,GN,Delhi	122911	6763	225959	8039
SC,GN,Outside Delhi	65572	5194	64060	5141
Cutoffs After Internal Sliding Without Bonus				
	CSE		ECE	
Allotted Category	Max of Rank	Max of IIIT-Rank	Max of Rank	Max of IIIT-Rank
GN,GN,Delhi	16821	932	27099.01	1553
GN,GN,Outside Delhi	4128	169	8156	401
OB,GN,Delhi	52762	2847		

Institute wise comparison of CSE cutoff in Delhi General Category

IIIT	<2000	<5000	<10000	<20000	>20000
Last Year (Final Round)	1	12	39	90	76
Last Year (First Round)	2	15	48	56	36
This year (Fifth round after Internal Sliding)	9	24	51	64	45
DTU (ONLY CSE)	**<2000**	**<5000**	**<10000**	**<20000**	**>20000**
Last Year (Final Round)	28	63	68	76	62
Last Year (First Round)	67	72	78	101	33
DTU					
This year (Fifth round after Internal Sliding)	25	68	72	84	56
NSIT					
This year (Fifth round after Internal Sliding)	44	94	104	121	79

Total Eligible for Chairman Scholarship   06 Delhi
                                               03 are from outside Delhi

Subject Wise Average

Subject	Average
Chemistry	93.92
Physics	91.82
Maths	93.29
English	92.49
Fifth Subject	92.34
Overall Average	92.77

100% Marks count Subject Wise

Subject	Count
Chemistry	5
Physics	2
Maths	3
English	NIL
Fifth Subject	7

A. **Bonus Marks Verification Process 2015**

S.No.	Category	Criteria of consideration	Documents Checked
		Bonus Marks Verification Process 2015	
1	NTSE	Students who appeared and qualified NTSE in their 8th and 10th standard were considered	(i) Original NTSE Certificates (ii) Letter of sanction of scholarship
2	KVPY	Students who got scholarship in AY 2013-14 or 2014-15 were considered	(i) Scholarship letter issued by KVPY (ii) See copy of emails received from KVPY
3	Sports	Students who have played under priority discipline in category U-17 or U-19 in National School Games organised by SGFI were considered	(i) Original certificate of participation issued by SGFI (ii) Original certificate of medal/winning (iii) Verify online at SGFI site
4	INoI	Students who have appeared /qualified Informatics Oympiad organized by IARCS in the year 2014 or 2015 were considered	(i) Certificates issued by IARCS (ii) Check with list available on their website
5	MO	Students who have appeared /qualified IMO in the year 2014 or 2015	(i) Certificates issued (ii) Check with list available on their website
6	PO	No student came in this category	
7	BO	Students who have appeared /qualified Biology Olympiad organized by Homi Bhabha Centre for Science Education in the year 2014 or 2015 were considered	(i) Certificates issued; Check with list available on their website
8	CO	Students who have appeared /qualified Chemistry Olympiad organized by Homi Bhabha Centre for Science Education in the year 2014 or 2015 were considered	Certificate issued by NSEC + online checking
9	PJ	Students who got certificate of achievement or medal in the year 2013 or 2014 were considered	Certificates issued by IIITD
10	Chess	Students who have FIDE rating	Scores were checked online on http://ratings.fide.com/
11	Culture	Student who have received "Scholarship to Young Artistes" or "Cultural Talent Search Scholarship Scheme" in the year 2013 or 2014 (or have renewal letter for 2014) were considered	(i) Sanction letter for scholarship letter issued by competent authority (ministry of art and culture) (ii) Interview letter (iii) Write to ministry to verify the names

B. Total applicants for Bonus

	Applied	Reported	<15000 JEE Rank Reported											>15000 JEE Rank Reported										
			NTSE	KVPY	Sports	ICO	MO	PO	BO	CO	Culture	Chess	PJ	NTSE	KVPY	Sports	ICO	MO	PO	BO	CO	Culture	Chess	PJ
Applications for Bonus	230	91																						
Rejected Applications	42	10																						
Considered for Bonus	188	81	49											32										
Applied for only 1 category under Bonus	158	73	24	11	2	5						2		12	4	2	5	1				1	3	1
Applied for only 2 category under Bonus	19	7	3	4		1								2	1	1	1							1
Applied for only 3 category under Bonus	3	0																						
Applied for only 4 category under Bonus	2	1	1	1			1			1														

Category wise admissions under Bonus category

	Could have made it without bonus	Couldn't have got CSE without bonus	Couldn't have got admission without bonus
GNGND	6	8	7
GNGNO	1	4	2
OBGND	1		

Bonus marks award summary

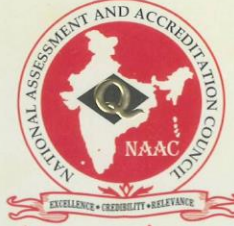| Bonus Marks Category	No. of students
ICO	7
ICO+PJ	1
CO	1
NTSE	10
KVPY	5
NTSE+KVPY	1
PJ	1
Chess	1
Sports	2

Rules for registration of Online Courses

IIIT-Delhi has evolved a system for allowing students to take online courses. Students can take advantage of the increasing amount of such courses made available by reputed universities across the world to complement the courses offered in the institute.

As of now, B.Tech. students are allowed to register for online courses. Rules regarding the same are given below.

- Students can register for online courses which provide a certificate of completion at the end.
- For online courses only S/X grades will be issued (which will not be counted towards computing of CGPA but will be counted towards the number of credits required for degree).
- Online courses cannot be done in the first four semesters. In general, permission will not be granted for the fifth semester as students should do the core courses offered by the institute.
- Per semester at most one S/X course will be permitted and at most two in the entire program. Moreover, per semester, at most one course out of IS/UR/IP/OC is permitted -- however, this rule may be relaxed in extraordinary cases.
- Registration for online courses requires the permission of the Dean/Chair of UG Committee.
- Permission will not be given for courses which are also offered regularly by the institute.
- To register for an online course an OC registration form has to be submitted duly signed by a supervising faculty. The supervising faculty will decide how the course will be evaluated and will be responsible for assigning a grade.

UGC has pre-approved the following online courses. Other online courses need to be approved by UGC before becoming available for registration.

Course Title	Area	Offered By	Credits	Pre-Requisits
1. Software Engineering for SaaS	CSE	Berkley University	4	CSE300 (Software Engg.)
2. Neural Networks of Machine Learning	CSE	University of Toronto	2	Probability, Matlab/Python Programming, Simple Calculus, Linear Algebra
3. Intermediate Macroeconomics	ECO	Saylor.org	2	None

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Indraprastha Institute of Information Technology
Okhla Industrial Estate, Phase-III, New Delhi as

Accredited

with CGPA of 3.04 on four point scale

at A grade

valid up to April 30, 2020

Date : May 01, 2015

Director