

# NATIONAL INSTITUTE OF TECHNOLOGY GOA

Kottamoll Plateau, Cuncolim Municipal Area,  
Salcete Taluka, South Goa District, Goa – 403703

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## MINUTES OF 25<sup>th</sup> MEETING OF THE SENATE

Date : 06<sup>th</sup> March 2024

Time : 03:00 P.M.

Venue : Conference Hall, NIT Goa (**Hybrid Mode**)

NATIONAL INSTITUTE OF TECHNOLOGY GOA

25<sup>th</sup> Senate Meeting, 06<sup>th</sup> March 2024

Minutes of Meeting

Proceedings of the 25<sup>th</sup> meeting of the Senate of NIT Goa held on 06<sup>th</sup> March 2024 at 03:00 PM in Conference Hall, National Institute of Technology Goa, Cuncolim. The meeting was held in Hybrid mode.

**Senate Members**

S.No	Name	Designation		Mode of Presence
1	Prof. Omprakash R Jaiswal	Director, NIT Goa	Chairman, Senate	In person
2	Prof. N. C. Shivaprakash	Department of Instrumentation, Indian Institute of Sciences, Bengaluru	External Member	Online
3	Prof. Vasant Matsagar	Department of Civil Engineering, Indian Institute of Technology, Delhi	External Member	Online
4	Prof. Smita Jha	Department of Humanities & Social Science, Indian Institute of Technology, Roorkee.	External Member	
5	Dr. Shashidhar K. Kudari	Registrar	Member & Secretary	In person
6	Dr. C. Vyjayanthi	Dean (Academics)	Member	In person
7	Dr. Amol D Rahulkar	Dean (Faculty Welfare)	Member	In person
8	Dr. Damodar Reddy Edla	Dean (Student Welfare)	Member	Online
9	Dr. Velavan Kathirvelu	Dean (Planning & Development)	Member	In person
10	Dr. Chirag Modi	Dean (Research & Consultancy)	Member	In person
11	Dr. Anirban Chatterjee	Dean (Institutional Relations & Alumni Affairs)	Member	In person
12	Dr. Veena T	HoD, CSE	Member	In person
13	Dr. Prashanth G R	HoD, ECE	Member	In person
14	Dr. Soumitra Das	HoD, EEE	Member	In person
15	Dr. L Shangerganesh.	HoD, HSS & APS	Member	In person
16	Dr. B. Santhi	HoD, MCE	Member	In person
17	Dr. Harikumar M	HoD, CVE	Member	In person

Following member remained absent with the permission of the Chairman Senate:

1. Prof. Smita Jha

*C. Vyjayanthi*

*U. C. Das*

*Harikumar*

NATIONAL INSTITUTE OF TECHNOLOGY GOA

25<sup>th</sup> Senate Meeting, 06<sup>th</sup> March 2024

Minutes of Meeting

Prof. O R Jaiswal, Director and Chairman Senate welcomed all the Senate members to the meeting of the Senate which was held in its permanent campus at Cuncolim, Goa. Director has briefed all the Senate members about the Inauguration of the Institute that took place on 6<sup>th</sup> February 2024 by the Honorable Prime Minister of India, Shri Narendra Modi.

It is brought to the notice of all the respected members that, from this Senate, the Senate items numbering is modified to SN-XX to maintain uniformity. This is done with the consent of the Director and the Chairman Senate.

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*e. Vijayarath*

*MOA*

*Jaiswal*

ITEM No. SN-25.1	To confirm the minutes of the 24 <sup>th</sup> meeting of Senate held on 14/12/2023
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Minutes of 24<sup>th</sup> meeting of the Senate of NIT Goa held on 14/12/2023 were circulated. Received comments were incorporated and revised minutes were circulated to all respected members.

*The Senate is requested to approve the revised minutes.*

**Resolution:** Senate noted and approved the minutes of the 24<sup>th</sup> meeting. It was also recommended that, from next time, the suggestions received shall be shown in the meeting separately.

ITEM No. SN-25.2	Action taken report on the resolutions taken in the 24 <sup>th</sup> meeting of the Senate
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**B.24.1. Ratification of Ph.D. degree awarded students who obtained Degree after 23<sup>rd</sup> Senate and before 9<sup>th</sup> Convocation.**

The below two students had completed all the requirements of Ph.D. Degree after 23<sup>rd</sup> Senate meeting and before 9<sup>th</sup> Convocation. As per the approval taken in 23<sup>rd</sup> Senate C.23.7., they have been awarded Ph.D. degree in the 9<sup>th</sup> Convocation

**Resolution of the Senate:** Senate ratified the item.

*Prof. Shivaprakash Sir has placed on record, the appreciation received from Dr. K. Sivan, Ex-Chairman ISRO and the Chief guest of 9<sup>th</sup> Convocation about the conduction of convocation. He congratulated the Director and the entire team for their good work.*

**Action Taken:** Degree were awarded during 9<sup>th</sup> Convocation held on 13<sup>th</sup> October 2023

**B.24.2. Credit Equivalencing of First year courses for students admitted in 2022 and had Year-back**

The following B.Tech students are admitted in the academic year 2022-23. As per our B.Tech Rules and regulations, the below listed students have fallen into first year Year-back. As NEW Curriculum was implemented from AY: 2023-24, with the approval obtained in the 23<sup>rd</sup> Senate held in 17<sup>th</sup> August 2023 (C.23.14.), credit equivalencing is carried out in consensus with the student. Academic Advisory Committee (AAC), recommends for ratifying the same to the Senate.

**Resolution of the Senate:** Senate ratified the item.

**Action Taken:** Implemented.

*C. Vijayarath*

*HC Code*

*Prasanth*

**B.24.3. Approval to consider End semester examination marks of the B.Tech Students with attendance shortage in the ODD Semester, AY: 2023-24**

As per Institute norms B11 (2013-14 Scheme) and B12 (2023-24 Scheme) of B.Tech students – overall attendance in a course should not fall below 75% (including the period of absence due to illness/family calamities/representing institute in extra-curricular activities).

**Resolution of the Senate:** The Senate approved the proposal as below:

- One time relaxation is provided to the said students, and these students should be made to do some assignments at the start of next semester as ‘Compensatory Academic Work’. Also, this one-time relaxation should not be quoted as a precedence in future.
- It was suggested that the attendance percentage of the students should be informed before the Mid examinations, in the intermediate Class Committee meetings and also one week prior to End Semester examinations to have better preparedness.
- If a student is found falling short of attendance even after considering medical and other provisions, additional assignments are to be given to the student against the lost classes as ‘Compensatory Academic Work’. Upon successful completion by the student, attendance may be proportionately given.

**Action Taken:** Noted and implemented.

**B.24.4. Approval to consider Mid exam marks of the B.Tech students with Option-B backlog registration in the ODD Semester, AY: 2023-24**

NIT Goa provides the following two options to students w.r.t Backlog course registrations: Backlog-Option A and Backlog-Option B.

In the ODD Semester of the AY: 2023-24, few student requests were received stating that though they would like to register for Backlog-Option A and improve their internal marks and get better grades, they are unable to, due to time table clashes.

Institute has taken cognizance of their request and received data about the number of Class clashes. Further, Institute has allowed them to appear for Mid Semester examinations with an intimation to them that their mid exam marks will be considered only upon Senate approval. Further, their results will be declared after Senate’s decision. AAC recommends for approving the same to the Senate.

**Resolution of the Senate:** The Senate approved the proposal as below:

- One time relaxation is provided to the said students. Also, this should not be quoted as a precedence in the future.
- It was suggested that slowly Option-B must be phased out, by maintaining a strict slot system while framing class time table.

**Action Taken:** Noted and implemented.

*e. Vijayankar*

*RCR*

*Prasanna*

**B.24.5. Fellowship to Ph.D. students to attend Intentional Conferences**

Institute proposes to encourage our well performing Ph.D. students to attend international conferences. A Ph.D scholar has to publish atleast three journal papers to be eligible to submit their thesis as per our Institute guidelines (P8.1). As an encouragement, the Ph.D. students who could publish/get acceptance of two key publications within the first three years (as per our P8.1), will be given a fellowship of Rs. 50,000 or more towards registration fee and/or partial travel, accommodation to attend an International conference. This fellowship shall be availed during the studentship at NIT Goa.

*Senate is requested to consider the proposal and approve the same.*

**Resolution of the Senate: The Senate approved the proposal as below:**

**As an encouragement, the Ph.D. students who could publish/get acceptance of two key publications within the first three years (as per our existing P8.1), will be given a fellowship support upto Rs. 50,000 towards registration fee and/or partial travel, accommodation to attend an International conference. However, firstly, the student has to explore other funding sources and his/her annual contingency grant is also to be pooled in for the said purpose. The Doctoral Research Committee (DRC) of the student will evaluate the quality of the international conference paper and suitably make recommendations for funding. This fellowship shall be availed during the studentship at NIT Goa.**

**Action Taken: Noted and implemented.**

**B.24.6. Eligibility criteria of Ph.D Co-Supervisor from External Organisation**

Institute encourages good research collaborations with other Academic/Industry/R&D partners. Few faculty members have shown interest in opting for co-supervisor from other organization, which would help them share research resources and benefit their Ph.D scholar. The following are the proposed eligibility criteria for considering Ph.D co-supervisor from external organization.

1) At the time of request, the scholar should be *within one year* of his/her Ph.D. registration

....

7) *Whether to have any specific criteria for Co-Supervisor's current organization will be put for discussion in the Senate. (Ex: Organization's turn-over/NIRF or QS rank/etc)*

**Resolution of the Senate: The Senate approved the proposal as below:**

1. Number of years of Co-Supervisor's remaining service should be atleast five.
2. Agenda's point 7 is to be removed from the Eligibility criteria.

**Action Taken: Noted and implemented. In line with the above, Dr Puneet Kumar Goel and Dr. Srikanth Jannu have been recently ratified and approved respectively, as Ph.D Co-Supervisors.**

**B.24.7. Eligibility criteria of Doctoral Research Committee (DRC) member from External Organization**

*C. Vijayanth*

*U. Goel*

*Srikanth*

Few of the departments in the Institute have only single regular faculty member. Hence, while forming Doctoral Research Committee (DRC), the faculty requires to have an external DRC member working in the research domain of the Ph.D. student's problem statement. This interaction enhances prolific discussions and monitoring of the Ph.D student's research progress. The following are the proposed eligibility criteria for considering an External DRC member:

1) At the time of request, the scholar should be *within six months* of his/her Ph.D. registration

...

5) Whether to have any specific criteria for DRC members current organization will be put for discussion in the Senate. (Ex: Organization's turn-over/NIRF or QS rank/etc)

**Resolution of the Senate: The Senate approved the proposal and suggested to remove agenda point 5 from the Eligibility criteria.**

**Action Taken: Noted and implemented.**

#### **B.24.8. Inclusion of Patents for the award of Ph.D. degree**

Though the journal publication history of the Ph.D scholars of NIT Goa is significant, based on the previous year's Ph.D research work, it is observed that the Ph.D. research outcome has not been effective in the direction of capturing the patents and intellectual property rights, due to the pre-defined requirements of journals for the award of Ph.D. Degree. This in a long run not only affects the Institute's NIRF ranking, but also, the product-oriented research at the Institute. Hence, it is proposed to consider the grant of patents also, for the award of Ph.D. along with the existing provisions of journal publications. The proposed addendum to the existing Ph.D. rules and regulations **Rule P8.1** was presented.

**Resolution of the Senate: The Senate approved the proposal as below:**

**A minimum of three reputed Journals/Patents are to be published/granted respectively, as a part of Ph.D., out of which, atleast two key publications should be in,**

##### **A. Journals:**

**Engineering and Applied Sciences: SCI/SCI-E/ESCI indexed journals**

**Humanities: Scopus, UGC CARE list journals. The third publication can be in book chapter(s) with reputed publishers like Sahitya Akademi, McGraw Hill, Routledge, Penguin, Bloomsbury, Oxford University Press, etc**

**Social Sciences: Scopus, ABDC or SSCI journals**

**B. Patents:** Granted Patents of Design (or) Utility type only from INDIA and USA

**C. A combination of Journal(s) & Patent(s) listed above.**

**i.e., One key journal publication will be considered equivalent to one granted patent.**

**Action Taken: Noted and implemented. A typo error 'SCI/SCI-E/ESCI' is found, which will be rectified in the upcoming Senate.**

*C. Vijayanthi*

*M. A. de*

*D. J. de*

**B.24.9. Quantification of substantial research output in Conversion from Full-time to Part-time Ph.D.**

As per our existing Ph.D. rules and regulations **Rule P11.**, w.r.t Conversion of Full-time Ph.D. Scheme to Part-time Ph.D. Scheme – “The student may be allowed to convert his/her Ph.D. registration from a full-time to a part-time scheme after the completion of comprehensive examination **with substantial research output.** ..... However, the conversion from Part-Time to Full-Time will not be permitted.” The proposed addendum to the rule is as below:

**Addendum to Rule P11:** “The student may be allowed to convert his/her Ph.D. registration from a full-time to a part-time scheme after the completion of comprehensive examination **with substantial research output**, i.e., the Ph.D. Scholar should have atleast one key research publication as per our Ph.D. guidelines (P8.1). Further, he/she should have a regular job offer and must produce NOC from the employer eventually. The part-time fee will be as per the Institute’s time-to-time revised fee structure.

*Senate is requested to consider the proposal and approve the same.*

**Resolution of the Senate:** The Senate approved the item.

**Action Taken:** *Noted and implemented. NOC has to be submitted by the Part-time student within six months. If there is further delay in producing NOC, request has to be made to the Director, accordingly. All the time-to-time amendments are applicable for all the existing students as well, unless specified otherwise.*

**B.24.10. Maximum number of years a Ph.D. scholar can avail scholarship when converted from Project to Institute Fellowship**

As per our existing Ph.D. rules and regulations **Rule P12**, the guidelines for Conversion from Project Fellowship to Institute Fellowship are given in detail. The proposed addition in the guidelines is as below:

**Additional point to Rule P12:** The Ph.D. scholar will get scholarship for a maximum of **FIVE** years from the Institute which includes the period of Junior Research Fellow (JRF)/Senior Research Fellow (SRF)/Project Associate/Project Assistant/nomenclature given by the sponsored research project. If Ph.D. fellowship is to be given for more than five years, the supervisor(s) may fund it from their research project funding/consultancy.

*Senate is requested to consider the proposal and approve the same.*

**Resolution of the Senate:** The Senate approved the proposal as below:

The Ph.D. scholar will get Grant-in-aid/Scholarship for a maximum of **FIVE** years (i.e., 60 months) from the Institute which includes the period of Junior Research Fellow (JRF)/Senior Research Fellow (SRF)/Project Associate/Project Assistant/nomenclature given by the sponsored research project.

**Action Taken:** *Noted and implemented. Project Associate is to be deleted. If a student’s Ph.D work is yet to be completed even after five years, and the Ph.D. supervisor(s) have a funded National/International Research/Consultancy project, a provision to pay full/partial stipend from the Project will be decided by the Competent authority, as the case be.*

*C. Vijayarath*

*Neelade*

*Devi*



**B.24.11. Post-Doctoral Fellowships from Institute grant**

NIT Goa has been performing significantly well in Doctoral research. Our Ph.D scholars have published several high quality Journals and Patents. The Institute is proposing to take the research activities to the next level by offering the post-doctoral fellowships in various fertile areas of research in different departments. The post-doctoral fellows will perform research in thrust areas as identified by the departments. The selected Post-Doctoral fellows can also help in mentoring the Ph.D scholars and assist in collaborative research.

**Resolution of the Senate:** The Senate approved the proposal and suggested the below modifications:

- The applicant must have obtained Ph.D from a recognized Institute with good academic credentials. Detailed advertisement guidelines will be framed upon BOG approval.
- The duration of a Fellowship is for One year and is extendable maximum upto three years based on the performance.
- Emoluments:

Sl. No.	Budget Head	Amount
1	Fellowship	Rs. 60,000/- per month (consolidated)
2	Contingency	Rs. 50,000/- per annum

**Action Taken:** Noted and approval from BoG is obtained.

**B.24.12. Summer term amount distribution**

Institute offers summer term courses during June-July months every year for those students who get 'Fail' grade in an earlier attempt. Institute collects fee amount per registered course, and the amount is revised from time to time. The total number of contact hours in any summer term course will be the same as in the regular semester course. The assessment procedure and grading policy will also be similar to that for a regular semester course. As, it is an additional work for the faculty who teaches in summer term, a nominal remuneration is provided to the faculty from the collected fee amount. It is proposed to have a guideline for the distribution of the summer term amount.

No. of registered students for the course	Remuneration
1-5 Nos	Rs. 5000/- fixed
More than 5 Nos	Rs. 1000/- per registration

Senate is requested to consider the proposal and approve the same.

**Resolution of the Senate:** The Senate approved the item.

**Action Taken:** Noted and implemented.

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*(Handwritten signature)*

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**B.24.13. Proposal for the panel of Faculty Selection Experts**

NIT Goa presently has a sanctioned faculty strength of 38 and currently we have few vacancies. Hence, it is planned to advertise for the vacant faculty positions from time to time and conduct recruitment. As the Institute will have to create a panel of experts and update it on an annual basis, inputs from each of the departments is taken and the following panel of Faculty selection experts is proposed. The experts were chosen from Institutes of repute which includes IISc/IITs/NITs. The proposed experts list is provided in Annexure-24.4.

*Senate is requested to consider the proposal and approve the same.*

**Resolution of the Senate: The Senate approved the item.**

**Action Taken: Noted.**

**B.24.14. Proposal to hire Adjunct Faculty**

NIT Goa presently has a sanctioned faculty strength of 38 and remaining are faculty on contract basis. Institute proposes to hire adjunct faculty from varied disciplines and expertise. This will enable to have a good collaboration with Industries, Research organizations and Academic institutions thereby bringing the experts knowledge and rich experience to the table. Applications were received from all the departments, whose details are as below. The received applications of adjunct faculty are from Academic/Research/Industrial sectors with vast experience. Brief details are as provided below and their CV's are provided.

**Resolution of the Senate: The item is withdrawn.**

**Action Taken: Noted. As per Ministry guidelines, Senate approval was not required. Hence, it was withdrawn.**

**B.24.15. Academic Calendar for the year 2024**

The academic calendar for the upcoming year 2024, which offers EVEN Semester of AY: 2023-24, Summer Term-2024 and ODD Semester of AY: 2024-25 is provided in Annexure 24.6.

The following aspects have been taken into account while preparing the Academic Calendar:

- Total no. of Class days (excluding mid, end exams and holidays) : 73days/Semester (approx)
- Total no. of Class days of each Week Day (M/Tu/W/Th/F) : 14-15 days/Semester

As NIT Goa is in the shifting phase from its temporary campus to permanent campus, there may be few changes that need to be carried out in the academic schedule without compromising the academic activities and will be known eventually only. In case, such changes are carried out, it is requested to provide approval for getting the updated Calander ratified in the next Senate.

*c. Vijayarath*

*10/03/24*

*Prasanna*

*Senate is requested to consider the proposal and approve the same.*

**Resolution of the Senate:** The Senate approved the item. It has also authorized the Director, NIT Goa to approve the required modifications (if any).

**Action Taken:** NIT Goa has started its EVEN Semester from the Permanent Campus w.e.f 8<sup>th</sup> January 2024. The academic calendar is under implementation.

**B.24.16. Special case of Ph.D. student who completed two years and comprehensive exam is pending**

As per our Ph.D. Rules and Regulations, P.7.3 and P7.4.,

**P7.3:** “Candidate will have to appear for a *Comprehensive Examination*, within 2 years of registration of Full-time Ph.D. program and within 3 years of registration of Part-time Ph.D. program, based on the courses approved by DRC.....”

**P7.4:** “...The DRC may then approve and recommend him/her for "*Confirmation of Registration*" of Ph.D. along with confirming the area/title of his/her proposed work by a written communication to Dean (Academics) through DRPC....”

The below mentioned Ph.D. student has completed the stipulated two years and has not yet completed her comprehensive examination. As there were violations in the Ph.D rules and regulations, it was referred to Academic Advisory Committee (AAC) for its recommendations. ... *The Academic Advisory Committee took cognizance of her credentials and suggests for special permission from the Senate to condone the delay.*

*Senate is requested to consider the proposal and approve the same.*

**Resolution of the Senate:** The Senate approved the proposal with the following note:

- The Senate strongly expressed its displeasure that a Ph.D. student has not given a single DRC presentation from the beginning (in three years), and condemned such practices.
- Senate emphasized that, it is the sole responsibility of the Supervisor to ensure that the Ph.D. students' research progress is well monitored, DRC meetings are regularly conducted, Comprehensive examination is conducted within the stipulated time and evaluation reports are submitted in time.
- In view of the health reasons put-up by the student, Senate provides one last opportunity to the student. The student will need to carry out her Comprehensive examination within 30 days (from the date of Senate Meeting). Only upon Ph.D. confirmation, the student will be able to draw her Scholarship w.e.f the date of confirmation.
- The unpaid scholarship cannot be paid, as her Comprehensive examination was not conducted within the stipulated time.
- The Ph.D. scholar will receive Grant-in-aid/Scholarship for a maximum of FIVE years (i.e., 60 months) from the Institute which includes the period of her Project Assistanceship.

*e. Vijayanth*

*14/3/24*

*Director*

**Action Taken:** Noted and implemented.

**B.24.17. Approval for implementing B.Tech. programme syllabus for higher semesters and Minor specializations**

The B.Tech First year curriculum and syllabus are approved and implemented from AY: 2023-24. The curriculum and syllabus of higher semesters and few Minor programs are prepared by the department Board of Studies which will be presented in this Senate. All the details of departments along with the related Annexures are given

**Resolution of the Senate:** The Senate approved the proposal as below:

- The BoS approved syllabus of B.Tech and Minor specializations as listed in the above table are presented to the Senate.
- As the BoS meeting of the Dept. of EEE is scheduled in the last week of December their tentative Syllabus was only obtained. Senate informed that all the departments should conduct BoS ahead of the Senate and its approved syllabus is to be brought to the Senate.
- A detailed review of the courses offered in the minor specializations was carried out and suggestions were given to the respective departments for improvisation.
- Senate authorized The Director, NIT Goa to approve the improvised Minor Syllabus and other B.Tech syllabuses received after BoS approval. The same can be ratified in the next Senate.

**Action Taken:** Complying to the suggestions received from the Senate, the Minor Program Syllabus was modified and the same was approved by the Senate Chairman. Minor program is under implementation.

**B.24.18. Additional items, if any, with permission of The Chairman, Senate.**

An additional item was proposed by Prof. Shivaprakash Sir, which is as follows:

- All the departments should start to work towards offering B.Tech Honours from the next academic year.
- A student with CGPA > 8.5 and no backlogs can be set as the minimum eligibility criteria for opting Honours.

A credit requirement of 18 may be considered for Honours and to start with, 50% of the subjects can be credited from MOOCs platform with an assigned faculty coordinator

**Action Taken:** Noted.

The action taken report of all the agenda points of 24<sup>th</sup> Senate held on 14.12.2023 were presented to the Senate.

*Senate is requested to confirm the action report of 24<sup>th</sup> meeting*





NATIONAL INSTITUTE OF TECHNOLOGY GOA

25<sup>th</sup> Senate Meeting, 06<sup>th</sup> March 2024

Minutes of Meeting

**Resolution:** Senate members noted the action taken report on decisions in 24<sup>th</sup> meeting and confirmed the same.

ITEM No. SN-25.3	<b>Procurement of Degree Certificate/Grade Card/Transcript from INDIAN SECURITY PRESS, Nasik is a Miniratna Category-I Central Public Sector Enterprise.</b>
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*Reasons for change of Vendor are as below:*

- i. In last few years the pre-printed stationery and printing of Degree certificates were done by M/s TESTPREP PRINTS PRIVATE LIMITED, Udupi and M/s MANIPAL TECHNOLOGIES LTD, Manipal.
- ii. However, Institute proposes a shift to a new vendor, namely INDIAN SECURITY PRESS, Nasik, a unit of Security Printing & Minting Corporation of India Ltd., a Government of India entity, and a Miniratna Category-I Central Public Sector Enterprise.
- iii. The main reason for recommending this change of Vendor is the enhanced security and confidentiality of students' academic data, along with updated paper quality and security features. Also, this will enable minimizing procedural issues, as it is a Central Government Organisation.
- iv. The Institute plans to procure preprinted Stationery from the new Vendor and further personalization of grade cards, degrees and transcripts will be carried at NIT Goa.

*Senate is requested to consider the proposal and provide approval for the same.*

**Resolution:** Senate approved the item.

ITEM No. SN-25.4	<b>Proposed security measures and specifications of the certificates</b>
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The following security specifications are proposed to be incorporated in the certificates

1. *Pre-printed Paper:* 210 GSM Reinforced Tear & Water-Resistant Paper with Embedded Security Fibers.
2. *Inks:* Invisible Fluorescent Green Ink for the University LOGO, visible only under UV light.
3. *Security Design Features:* Relief tint of 'National Institute of Technology Goa' in the background.
  - Guilloche pattern design with the Institute's Logo at the center.
  - Hidden letters of "NIT Goa" below the Logo.
  - Interlocking border design.
  - Micro-text adjacent to the border design with a deliberate error.
  - Latent image at the right bottom corner.
  - Embossed effect on the Institute's LOGO.
4. *Numbering:* Certificates will be numbered as per NITGoa's instructions.
5. *2D Bar Code:* Any variable data encrypted in the 2D bar code for added security.

*Senate is requested to consider the proposal and provide approval for the same.*

**Resolution:** Senate approved the item.

ITEM No. SN-25.5	Approval for printing and signature specifications on the Certificates
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*Degree Certificate for B.Tech and M.Tech (Portrait Orientation)*

- Multicolor printing on Front Side & Single color on back side
- Front Page Signatures: Chairperson BOG (bottom left side corner) and Director (bottom right-side corner)
- Backside Signatures: Dealing Assistant (Exam Cell), Assistant Registrar (Academics), Dean (Academics) from bottom left to bottom right.

*Degree Certificate for Ph.D. (Landscape Orientation)*

- Multicolor printing on Front Side & Single color on back side
- Front Page Signatures: Chairperson BOG (bottom left side corner) and Director (bottom right-side corner)
- Backside Signatures: Dealing Assistant (Exam Cell), Assistant Registrar (Academics), Dean (Academics) from bottom left to bottom right.

*Grade cards for B.Tech, M.Tech and Ph.D. (Portrait Orientation)*

- Multicolor printing on Front Side & Single color on back side
- Front Page Signatures: Checked by (Incharge Exam Cell) (bottom Center) and Registrar (bottom right-side corner)
- Backside Content: Distinct content for B.Tech, M.Tech and Ph.D. as per their credit requirements and Grading system.

*Transcript (i.e., consolidated Marks sheet) for B.Tech and M.Tech (Portrait Orientation):*

- Multicolor printing on Front Side & Single color on back side
- Photograph of student: Top right-side corner (2.5cm x 3cm)
- Front Page Signatures: Checked by (Incharge Exam Cell) (bottom Center) and Registrar (bottom right-side corner)
- Backside Content: Distinct content for B.Tech, M.Tech and Ph.D. as per their credit requirements and Grading system.

*Senate is requested to consider the proposal and provide approval for the same.*

**Resolution:** Senate approved the item.

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<b>ITEM No. SN-25.6</b>	<b>Academic Warning (AWR) Students</b>
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As per our B.Tech rules, the normal duration of the B.Tech programme is eight semesters. However, a student may complete the programme at a slower pace by taking more time, but in any case, not more than 12 semesters excluding the semesters withdrawn on medical grounds, or for valid reasons beyond control of the student.

However, in view of the National Education Policy 2020, Institute proposes to provide very slow learning students (i.e., whose B.Tech program is expected to exceed 12 semesters and are on the Verge of termination) few additional chances to improve. Such students will be put under *Academic Warning (AWR)* and will be monitored by Academic Advisory Committee (AAC). Based on the students' academic performance, they will be offered courses and if their performance is found to be improving, further chances will be provided. A record of the number of subjects registered, credits earned, improvement in CGPA will be tracked semester-wise. Only, if the student shows steady progress, they will be allowed to continue the program.

Last semester onwards, a student is put under academic warning as a pilot attempt. The details of the student are as below:

Student Details	Semester	Student Performance				
		Session	Regd Credits	Regd. Th/ Lab	CGPA at the End of the Sem	Total Credits earned out of 170
B Krishna Murthy (19MCE1006)	Till June 2023	2022-23, EVEN	-		4.03	85
	Aug-Dec 2023	2023-24, ODD	14	3- Th, 3- Lab	4.03	90
	Jan-Apr 2024	2023-24, EVEN	15	3- Th, 3- Lab	-	-

*Senate is requested to consider the proposal and provide approval for the same.*

**Resolution:** Senate approved the item. It took note of the students' credit requirements to complete his B.Tech degree, and asked the Institute to explore the possibility of awarding Diploma degree, in case, the student is not able to perform well in future.

<b>ITEM No. SN-25.7</b>	<b>Fee structure revision for B.Tech, M.Tech and Ph.D. from AY: 2024-25</b>
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As the Institute has shifted to its permanent campus, there is a need to look into the fee structure revision. The fee revision will help in establishing and maintaining amenities in the Permanent Campus. The fee structures of various NITs (both Old and New) have been compared before arriving at the

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*K. C. Adde*

*D. S. S. S.*

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recommendations for B.Tech, M.Tech and Ph.D. programs fee revision. The revised fee structure proposed by the Institute fee committee is provided in ANNEXURE 25.7.1.

*Senate is requested to consider the proposal and provide approval for the same.*

**Resolution:** Senate approved the item.

ITEM No. SN-25.8	Amendments in B.Tech, M.Tech and Ph.D. Rules and Regulations
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The following rules are proposed to be amended in view of the following reasons:

Sl. No.	Program	Scheme	Rule No.	Present Rule	Proposed modification/ Addendum	Remarks
a.	B.Tech	2013-14	B17.1	<p>Summer term courses shall be offered for those students who got 'F' and 'W' grade in an earlier attempt provided the last attempt was not in summer term.</p> <p><i>However, in such courses 1 grade less than what he/she would be getting will be awarded.</i></p>	<p><i>However, the highest grade that can be awarded in summer term is 'C'.</i></p> <p>Offering summer term courses is up to the discretion of the department, depending on the availability of teachers to conduct the courses.</p>	
b.	B.Tech	2023-24	B19.1	<p>A summer course will run only for the designated courses of First Year and Final year for those students who got 'F' (Fail) grade in an earlier attempt.</p>	<p>Summer term courses shall be offered for those students who got 'F' (Fail) and 'W' (Fail due to attendance shortage) grade in an earlier attempt provided the last attempt was not in summer term.</p>	<p>In the earlier regulations (i.e., 2013-14), after a lot of debate, the proposed modification was brought in 12<sup>th</sup> Senate. So, it is requested to retain the same.</p>

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c.	B.Tech	2013-14 and 2023-24	B16.6 and B18.6	The highest grade that can be awarded in re-examination is ' <b>P</b> ' ( <i>Pass</i> ).	The highest grade that can be awarded in re-examination is ' <b>C</b> '.	
d.	B.Tech	2023-24	B28.1	Minor Program offered by Dept. of EEE was " <i>Minor in Electrical and Electronics Engineering</i> "	Minor in " <i>Electrical Engineering</i> "	As all the courses are oriented in Electrical domain.
e.	Ph.D.	2014-15	P4.4	Allotment of research scholars to supervisor(s) will be made by the Chairperson, DSC, taking into consideration the preferences of the research scholars and supervisors. Consent of the Supervisor(s) and student is essential for the allotment.	Allotment of research scholars to supervisor(s) will be made by the Chairperson, DSC; taking into consideration the guidelines laid by the Institute.  The general guidelines for allocation of Ph.D. students to the eligible supervisors is placed before the Senate	
f.	Ph.D.	2014-15	P8.1	Engineering and Applied Sciences: SCI/SCI-E/ESCI indexed journals	Engineering and Applied Sciences: SCI/SCI-E indexed journals	Addendum to Rule P8.1, approved in 24 <sup>th</sup> Senate had this typo mistake.
g.	Ph.D.	2014-15	P11	The student may be allowed to convert his/her Ph.D. registration from a full-time to a part-time scheme after the completion of comprehensive examination <i>with substantial research</i>	<b>Addition proposed:</b> In case of Students who have secured a job in State Govt./ Central Govt/Public Sector Undertakings/ Govt. Aided Institutions/Govt. Autonomous Institutions/R&D Labs; they will be allowed to	

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				<p><i>output</i>, i.e., the Ph.D. Scholar should have atleast one key research publication as per our Ph.D. guidelines (P8.1). Further, he/she should have a regular job offer and must produce NOC from the employer eventually.</p>	<p>Convert from Full-time to Part-time after completion of Comprehensive Exam and satisfying atleast one publication requirement as per P8.1.</p>	
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*Senate is requested to consider the modifications and provide approval for the same.*

**Resolution: Senate approved the items as below:**

Sl. No.	Program	Scheme	Rule No.	Senate's Recommendation
a.	B.Tech	2013-14	B17.1	Approved
b.	B.Tech	2023-24	B19.1	Not Approved
c.	B.Tech	2013-14 and 2023-24	B16.6 and B18.6	Approved. Also, the following line is to be included- The student(s) proved to have carried out Unfair means during the End Semester Examinations, are not eligible to write Re-Examination'.
d.	B.Tech	2023-24	B28.1	Approved
e.	Ph.D.	2014-15	P4.4	Senate has recommended to suitably modify the proposed guidelines for allocation of Ph.D. students to the eligible supervisors. Chairman Senate will constitute a committee to come up with modified suggestions, which will be ratified in the next Senate.
f.	Ph.D.	2014-15	P8.1	Approved
g.	Ph.D.	2014-15	P11	Item is withdrawn.

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ITEM No. SN-25.9	<b>Approval for increasing the B.Tech program's sanctioned strength in the departments of CSE, ECE and EEE from AY: 2024-25 admissions</b>
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NIT Goa has been operating with Ministry approved sanctioned strength from its inception. Now that the Institute has shifted to its permanent Campus, it is proposed to start with increasing the sanctioned strength of 03 departments from AY: 2024-25 admissions.

The present and proposed sanctioned strength in the B.Tech. admissions are as below:

B.Tech Programme	Present Intake		Additional Seats Proposed		Total Seats	
	JoSAA/C SAB	DASA (15% of CSAB)	JoSAA/CSAB	DASA (15% of CSAB)	JoSAA/CSAB	DASA (15% of CSAB)
Civil Engineering	37	5	0	0	37	5
Computer Science and Engineering	38	6	12	2	50	8
Electronics and Communication Engineering	38	6	12	2	50	8
Electrical and Electronics Engineering	38	6	12	2	50	8
Mechanical Engineering	37	5	0	0	37	5
<b>Total</b>	<b>188</b>	<b>28</b>	<b>36</b>	<b>6</b>	<b>224</b>	<b>34</b>
	<b>216</b>		<b>42</b>		<b>258</b>	

*Senate is requested to consider the proposal and provide approval for the same.*

**Resolution:** Senate appreciated the proposal to increase the strength and approved the item.

ITEM No. SN-25.10	<b>Direct admission of B.Tech/B.E. students to Ph.D. Program</b>
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In our existing Ph.D. rules and regulations P3.1., details of the eligibility criterion with B.E/B.Tech. degree is not elaborated. In our ordinances, it is mentioned that- "Exceptional candidates (with CGPA >=9.0) with B.Tech/B.E from a reputed Institute are also eligible to apply for the Ph.D. programme." However, the total guidelines are to be formulated.

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NIT Goa plans to elaborate further on taking “*Direct admission of B.Tech/B.E. students to Ph.D.*” and invites suggestions from the Senate members so that the said category can be incorporated from AY: 2024-25.

An extract of the eligibility criteria of VNIT Nagpur and IIT Ropar under “Direct admission of B.Tech./B.E. students to Ph.D.”, is as enclosed below:

**VNIT Nagpur**

Departments	Qualifying Degree	Qualifying Exam
Cat. 6	a) B.Tech. /B.E. <ul style="list-style-type: none"> <li>• With minimum CGPA 8.5 or 80% in B.Tech./ B.E.</li> <li>• must apply within two academic years after completion of B.Tech./B.E.</li> </ul>	GATE qualified
	b) Student appearing in 8 <sup>th</sup> sem B.Tech./ B.E. examination whose results are not declared can also apply. <ul style="list-style-type: none"> <li>• with minimum CGPA 8.5 or 80% upto 6<sup>th</sup> (B.Tech./ B.E).</li> <li>• After completion of B.Tech./ B.E student should have minimum CGPA 8.5 or 80% marks.</li> </ul>	GATE qualified OR student shall be among the top 5 rank holders in the department at the end of their 6 <sup>th</sup> Sem (B.Tech./ B.E.) (The department Head/ Principal/Director of the respective institute will be required to issue a rank certificate supporting to each application in the prescribed format, ANNEXURE – III)

**IIT Ropar:**

*Minimum Eligibility Requirements:*

**For B.Tech Students of Centrally Funded Technical Institutes (CFTIs)**

- Research Area will be same as Regular Ph.D Program
- Studying in final year of B.Tech/BE
- No GATE or other equivalent national exam qualification required
- CGPA of at least 8.0 out of 10.0

**For B.Tech Students of Non-CFTIs**

- Research Area will be same as Regular Ph.D Program
- Studying in final year B.Tech/BE
- GATE or other equivalent national exam qualification required at the time of joining
- CGPA of at least 8.0 out of 10.0

*Senate is requested to consider the proposal and provide their inputs in this regard. Detailed guidelines will be presented in the Next Senate.*

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*14/03/24*

*Prasanth*

**Resolution:** Senate approved the proposal to introduce Direct admission of B.Tech/B.E. students to Ph.D. It has asked the Institute to come up with complete guidelines by next Senate.

ITEM No. SN-25.11	Institute Policy for carrying out M.Tech Projects in collaboration with Industries
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In the 22<sup>nd</sup> Senate meeting held on 20<sup>th</sup> June 2023; it was proposed to frame guidelines for Institute policy on M.Tech projects in collaboration with Industries. The proposed guidelines after discussion with HODs and Academic Advisory Committee (AAC) will be placed before the Senate.

*Senate is requested to consider the proposal and provide approval for the same.*

**Resolution:** The Institute policy for the following is placed before the Senate. The same has been approved with few suggestions, which are incorporated.

- ✓ M.Tech Projects/Internship in collaboration with Industries/Other reputed organizations (ANNEXURE 25.11.1)
- ✓ B.Tech 8<sup>th</sup> Semester internship with Industries/Other reputed organizations (ANNEXURE 25.11.2)
- ✓ Internships at NIT Goa (ANNEXURE 25.11.2)

ITEM No. SN-25.12	Additional items, if any, with permission of The Chairman, Senate.
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The following two additional items were presented in the Senate with The Chairman's approval.

ITEM No. SN-25.12.1	Ratification for allowing MOOCs course to be credited by a student pursuing 8 <sup>th</sup> Semester Internship and approval for Course code and NPTEL's Letter grade equivalencing with NIT Goa's Grading system.
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**A. Background**

- i. A student of 8<sup>th</sup> semester got internship offer from MAQ India Pvt. Limited, Noida through T&P Cell of NIT Goa, as a pre placement offer in his 8<sup>th</sup> semester of B.Tech study.
- ii. Student is allowed to pursue the internship offer provided he credits MOOCs courses to fulfil the course requirements of 8<sup>th</sup> Semester
- iii. There are 4 electives each of 3 credits to be completed in his 8<sup>th</sup> semester
- iv. Student is recommended to pursue 4 MOOCs courses of minimum 8 weeks duration to account for the 4 electives to be completed in 8<sup>th</sup> semester.

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- v. Student has to appear for the NPTEL examination as per the schedule and submit the certificate obtained for the same to the Institute to map the credits

**B. Student Details**

Name: Mr. Aditya (20CSE1002)

Internship at: MAQ India Pvt. Limited, Noida

Student registered for the following courses in NPTEL which are of 8 weeks duration each.

**CS500MC:** GPU Architecture and Programming -- Prof. Soumyajith Dey, IIT Kharagpur

**CS501MC:** Natural Language Processing---Prof. Pawan Goyal, IIT Kharagpur

**CS502MC:** Reinforcement Learning –Prof. Balaraman Ravindran, IIT Madras

**CS503MC:** Data Science for Engineers—Prof. Raghunathan Rangasamy and Prof. Shanker Narasimhan, IIT Madras

**Proposed MOOCs course code**

Code of the Department offering the course	500 to 599 (for B.Tech) 800 to 899 (for M.Tech)	MOOCs Indexing
Example1: CS	5XX	MC
Example2: MA	5XX	MC

**C. NPTEL’s Letter grade equivalencing with NIT Goa’s Grading system**

Sl. No.	Type of NPTEL Certificate	Score	NIT Goa’s Letter Grade equivalent with NPTEL
1	Elite + Gold	≥ 90	S
2	Elite + Silver	75 - 89	A
3	Elite	≥ 60	B
4	Successfully Completed	40 - 59	C
5	No certificate	≤ 40	F (FAIL)

*The Senate is requested for the following:*

1. To ratify allowing MOOCs course to be credited by a student pursuing 8<sup>th</sup> Semester Internship
2. To approve the MOOCs course coding
3. To approve NPTEL’s Letter grade equivalencing with NIT Goa’s Grading system

**Resolution:** Senate approved the item.

*c. vijayaraj* *10/06/24*

*[Signature]*

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ITEM No. SN-25.12.2	Amendments required in B.Tech regulations to facilitate 8 <sup>th</sup> Semester internship
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Program	Scheme	Rule No.	Present Rule	Proposed modification/ Addendum
B.Tech	2023-24	B7.2	A student can register for a maximum of 2 MOOCs courses upto a total of 8 credits within their B.Tech programme.	No Change
B.Tech	2014-15	B5.2 (ii)	A student can register for a maximum of 2 MOOCs courses/8 credits within his/her B.Tech program.	A student can register for a maximum of 4 MOOCs courses upto a total of 14 credits within their B.Tech program.  Course codes will be generated accordingly.
B.Tech	2023-24 & 2014-15	B6	Academically well performing students, with <b>CGPA ≥ 8.5</b> , who never had any backlogs, are allowed to register for an additional course in each semester, within the prescribed four years duration.	Academically well performing students, with <b>CGPA ≥ 7</b> , who never had any backlogs, are allowed to register for an additional course in each semester, within the prescribed four years duration.

*Senate is requested to approve the above amendments in B.Tech regulations.*

**Resolution:** Senate approved the item, as a special case.

The meeting concluded with a note of thanks from the Member Secretary. The Director & Senate Chairman thanked all the attended members for their participation and valuable suggestions.

  
Dean (Academics)

  
Secretary

  
Chairman

कुलसचिव  
Registrar  
राष्ट्रीय प्रौद्योगिकी संस्थान गोवा  
National Institute of Technology Goa

निदेशक  
Director  
राष्ट्रीय प्रौद्योगिकी संस्थान गोवा  
National Institute of Technology Goa