

# **NATIONAL INSTITUTE OF TECHNOLOGY GOA**

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## **MINUTES OF 24<sup>th</sup> MEETING OF THE SENATE**

Date : 14<sup>th</sup> December 2023

Time : 2:30 P.M.

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

NATIONAL INSTITUTE OF TECHNOLOGY GOA

24<sup>th</sup> Senate Meeting, 14<sup>th</sup> December 2023

Minutes of Meeting

Proceedings of the 24<sup>th</sup> meeting of the Senate of NIT Goa held on 14<sup>th</sup> December 2023 at 2:30 PM in Conference Hall, National Institute of Technology Goa. The meeting was held in Hybrid mode.

**Senate Members**

1	Prof. Omprakash R Jaiswal	Director, NIT Goa	Chairman, Senate
2	Prof. N. C. Shivaprakash	Department of Instrumentation, Indian Institute of Sciences, Bengaluru	External Member
3	Prof. Vasant Matsagar	Department of Civil Engineering, Indian Institute of Technology, Delhi	External Member
4	Prof. Smita Jha	Department of Humanities & Social Science, Indian Institute of Technology, Roorkee.	External Member
5	Dr. Shashidhar K. Kudari	Registrar	Member & Secretary
6	Dr. C. Vyjayanthi	Dean (Academics)	Member
7	Dr. Amol D Rahulkar	Dean (Faculty Welfare)	Member
8	Dr. Damodar Reddy Edla	Dean (Student Welfare)	Member
9	Dr. Velavan Kathirvelu	Dean (Planning & Development)	Member
10	Dr. Chirag Modi	Dean (Research & Consultancy)	Member
11	Dr. Anirban Chatterjee	Dean (Institutional Relations & Alumni Affairs)	Member
12	Dr. Veena T	HoD, CSE	Member
13	Dr. Prashanth G R	HoD, ECE	Member
14	Dr. Soumitra Das	HoD, EEE	Member
15	Dr. Sarani Ghosal M.	HoD, HSS & APS	Member
16	Dr. B. Santhi	HoD, MCE	Member
17	Dr. Harikumar M	HoD, CVE	Member

Following member remained absent with the permission of the Director and Chairman, Senate:

1. Dr. Soumitra Das, HoD, EEE

Prof. O R Jaiswal, Director and Chairman Senate welcomed and thanked the newly nominated external senate members, Prof. Vasant Matsagar and Prof. Smita Jha and placed on record the valuable contributions made by the former external senate members Prof. Vijay H. Desai and Dr. Geetha B. He extended a special thanks and welcomed Prof. N. C. Shivaprakash, for accepting to continue as Senate member and guide the Institute with his rich academic experience. Further, all the internal Senate members were welcomed by the Senate Chairman.

*C. Vyjayanthi*

*Harikumar M*

*O R Jaiswal*

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*Chairman*

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**A. To confirm the minutes of the 23<sup>rd</sup> meeting of Senate held on 17/08/2023**

Minutes of 23<sup>rd</sup> meeting of the Senate of NIT Goa held on 17/08/2023 were circulated. Minutes may please be seen in the **Annexure 24.1**. Received comments were incorporated and finalized minutes were circulated.

The Senate is requested to approve the finalized minutes.

**Resolution of the Senate: Senate noted and approved the minutes of the 23<sup>rd</sup> meeting.**

**B. Action taken report on the resolutions taken in the 23<sup>rd</sup> meeting of the Senate**

**B. 23.1. To consider and approve of the list of candidates of 2017-21 B.Tech batch to be awarded degree in the 9<sup>th</sup> Convocation.**

Total 01 student is recommended for the award of B.Tech. degree in the 9<sup>th</sup> Convocation from the batch 2017-21.

**Resolution of the Senate: Senate approved the list.**

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

**B. 23.2. To consider and approve of the list of candidates of 2018-2022 B.Tech batch to be awarded degree in the 9<sup>th</sup> Convocation.**

Total 14 students are recommended for the award of B.Tech. degree in the 9<sup>th</sup> Convocation from the batch 2018-2022.

**Resolution of the Senate: Senate approved the list.**

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

**B.23.3. To consider and approve of the list of candidates of 2019-23 B.Tech batch to be awarded degree in the 9<sup>th</sup> Convocation.**

Total 142 students are recommended for the award of B.Tech. degree in the 9<sup>th</sup> Convocation from the batch 2019-23.

**Resolution of the Senate: Senate approved the list.**

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

**B.23.4. To consider and approve of the names of medal recipients of 2019-23 B.Tech. batch in the 9<sup>th</sup> Convocation**

There will be one Gold medal called Director's Medal for academic topper of the Institute. There will be five Gold medals for the toppers in each department.

**Resolution of the Senate: Senate approved the list.**

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

C. Vijayanth

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**B.23.5. To consider and approve of the list of candidates of 2021-23 M.Tech batch to be awarded degree in the 9<sup>th</sup> Convocation.**

Total 52 students are recommended for the award of M.Tech. degree in the 9<sup>th</sup> Convocation from the batch 2021-23.

**Resolution of the Senate: Senate approved the list.**

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

**C.23.6. To consider and approve of the names of medal recipients of 2021-23 M.Tech. batch in the 9<sup>th</sup> Convocation**

There will be one Gold medal called Director's Medal for academic topper of the Institute. There will be three Gold medals for the toppers in each department.

**Resolution of the Senate: Senate approved the list.**

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

**C.23.7. To consider and approve the list of candidates to be conferred with the Ph.D. degree of the Institute in the 9<sup>th</sup> Convocation**

Nine students are recommended for the award of Ph.D. degree in the 9<sup>th</sup> Convocation who has completed all the requirements towards the award of degree.

**Resolution of the Senate: Senate approved the list.**

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

**C.23.8. Ratification of Department Board of Studies (BoS) constitution**

The department Board of Studies (BoS) is constituted with their functioning and responsibilities.

**Resolution of the Senate**

***The Senate ratified and approved the Constitution of department BoS.***

**Action Taken: BoS committees are developing/revising the syllabus for the new academic curriculum.**

**C.23.9. Ratification of M.Tech Self-financed (Non-Gate) admission guidelines**

In our 22<sup>nd</sup> Senate Meeting held on 20<sup>th</sup> June 2023, vide agenda item C.22.10, it was discussed that guidelines for M.Tech Self-financed is to be formulated. In continuation to that, the guidelines to admit students for the Full-time Self-Financed (Non-GATE) M.Tech. admissions from Academic year 2023-24 have been formulated and admission notification has been put-up with the approval from Director, NIT Goa.

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**Resolution of the Senate:**

*The Senate ratified and approved the M.Tech Self-financed (Non-Gate) admission guidelines and its implementation. Senate also approved that the application fee to be collected under this category will be as per the CCMT fee of that academic year.*

**Action Taken:** *Noted & Implemented*

**C.23.10. Approval for allowing Scopus Journals for Humanities and Social Sciences**

As per our 9<sup>th</sup> Senate amendment, we had modified our “Minimum requirement of publication for the award of Ph.D. degree” as below. The departments of Humanities and Social Sciences have come up with their equivalent journals and hence, it is requested to allow modification of the present rule

**Resolution of the Senate:**

*The Senate approved the proposed modification. It has also authorized the Director, NIT Goa to eventually identify list of Journals in the areas of Humanities and Social Sciences with moderation by BoS.*

**Action Taken:** *Noted & Implemented*

**C.23.11. Approval of the B.Tech course structure from AY: 2023-24**

In compliance with some of the aspects of National Education Policy (NEP 2020), NIT Goa has revised its B.Tech Course structure, Syllabus and Rules & Regulations which are proposed to be implemented from AY: 2023-24. The Institute level B.Tech Course Structure to be implemented from AY: 2023-24 is formulated and presented.

**Resolution of the Senate:**

*Senate approved the proposal with the following recommendations:*

1. *The total number of credits for B.Tech program is reduced to 168.*
2. *One credit is reduced in Major Project-2 and One credit is reduced in Computer Programming Lab.*
3. *The total number of credits for Minor in B.Tech program may be increased to 18 credits. In the Minor degree certificate also, CGPA is to be mentioned.*
4. *Names of the following first year subjects are modified as below:*

<i>Sl. No.</i>	<i>Proposed Subject name</i>	<i>Modified Subject Name</i>
1	Mathematics-I	Matrices and Advanced Calculus
2	Mathematics-II	Differential Equations and Vector Calculus
3	Physics	Engineering Physics
4	Physics Lab	Engineering Physics Lab
5	Chemistry	Engineering Chemistry
6	Chemistry	Engineering Chemistry Lab
7	Introduction to Computer Science and Programming	Computer Programming and Problem solving

*C. Vijayanth*

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8	Introduction to Computer Programming Lab with (0-0-3) – 2 credits	Computer Programming Lab with (0-0-2) – 1 credit
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*All the suggested modifications are incorporated.*

*Action Taken: Noted & Implemented*

**C.23.12. Approval for implementing new Rules and Regulations for the B.Tech programme from AY: 2023-24.**

The new Rules and regulations for the B.Tech programme from AY: 2023-24. It is also requested to allow few of the new rules (as listed below) to be adopted as amendments in the Rules and Regulations for admissions till AY: 2022-23

**Resolution of the Senate:**

*The Senate had detailed deliberations on all the new Rules and Regulations for the B.Tech programme from AY: 2023-24. All the suggested modifications are incorporated. Also, the following regulations were approved to be considered as amendments to the Rules and Regulations for admissions till AY: 2022-23 (except 'First year' year back).*

Sl. No.	Modification/New Rule proposed in Rules and Regulations from AY: 2023-24	To be considered as amendment in Rules and Regulations for admissions till AY: 2022-23	Remarks
1.	Rule B3 - Role of Faculty Adviser	Rule B3	Applicable for All
2.	Rule B5 - Course registration and Enrolment	Rule B6	Applicable for All
3.	Rule B6 - Additional courses for registration	New rule to be added	Applicable only for 2022-23 admissions
4.	Rule B7 - Transfer of Credits	Rule B 7.2	
5.	Rules B12 – Attendance requirements	Rule B12 – minor modifications	Applicable for All
6.	Rules B16, B17 – Mid and End/Make-up Examinations	Rule B15 and B16 – minor modifications	Applicable for All
7.	Rule B18 – Re-examination	New rule to be added	Applicable for All
8.	Rule B19.7- Summer Term fee revision	Rule B19.5 is to be added w.r.t summer term fee revision	Applicable for All
9.	Rule B30 – Unfair means	Rule B30– minor modifications	Applicable for All
10.	Rule B31 - Academic Committees	New rule to be added	Applicable for All

*Action Taken: Amended rules were incorporated and Implemented*

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**C.23.13. Approval for implementing new Curriculum and Syllabus of First year B.Tech programme from AY: 2023-24**

The new curriculum and detailed Syllabus of First year B.Tech programme from AY: 2023-24 is presented.

**Resolution of the Senate:**

***The Senate approved the First year Course Syllabus with modifications in the following subject names.***

<i>Sl. No.</i>	<i>Proposed Subject name</i>	<i>Modified Subject Name</i>
1	Mathematics-I	Matrices and Advanced Calculus
2	Mathematics-II	Differential Equations and Vector Calculus
3	Physics	Engineering Physics
4	Physics Lab	Engineering Physics Lab
5	Chemistry	Engineering Chemistry
6	Chemistry	Engineering Chemistry Lab
7	Introduction to Computer Science and Programming	Computer Programming and Problem solving
8	Introduction to Computer Programming Lab with (0-0-3) – 2 credits	Computer Programming Lab with (0-0-2) – 1 credit

***All the suggested modifications are incorporated***

***Action Taken: Noted and Implemented***

**C.23.14. Approval for Credit equivalencing**

NIT Goa is proposing to implement new Curriculum and syllabus from AY: 2023-24. There are few cases of first year 'year-back' students, with more than 10 first year backlogs and have to repeat them and few with less first year backlogs. To smoothly handle the B.Tech scheme till AY: 2022-23 (OLD) and upcoming B.Tech scheme from AY: 2023-24 (NEW) parallelly and within the available infrastructure, solutions were proposed.

**Resolution of the Senate:**

***The Senate approved the item and allowed to carry out credit equivalencing for the First year 'year back' students on case-to-case basis. The Senate authorized the Director to approve such cases and get the same ratified in the next Senate. Also, in the agenda it is requested to read 'few backlogs' as 'a few backlogs' and 'few with less first year backlogs' as 'few with less than 5 first year backlogs'***

***Action Taken: Noted and Implemented***

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## AGENDA NOTES

### **C.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. The details of the students are given below:

Sl. No.	Roll. No.	Name of the Student	Department
1	19HS3003	Mr. Mahesh Singh	Dept. of Applied Sciences
2	17ECE3002	Mr. Bishnu Prasad Mishra	Dept. of ECE

*Senate is requested to ratify the same.*

**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.*

### **C.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. The student-wise, credit equivalenced subject details, are enclosed in **Annexure 24.2.**

Sl. No.	Student Name	Roll No.
1.	BHORE PRASAD DEEPAK	22EEE1006
2.	KURIMINDLA PRAJWAL SAGAR	22MCE1016
3.	SAHIL MAHESHWAR SHET KESARKAR	22ECE1027
4.	PRIYA BHIMA GAVKAR	22EEE1026
5.	NISHANTH KUDIMETHA	22ECE1021
6.	PONNAGI SAGAR	22CSE1025

*Senate is requested to ratify the same.*

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

*C. Vijayarath*

*14/12/23*

*Prasad*

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**C.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).

In this semester, it was found that about 60 B.Tech students had attendance below 75%. AAC members and HODs carried out deliberations in a meeting held on Nov 24, 2023 and it was recommended that students may be given a one-time provision and be allowed to appear for End semester examination. However, it was recommended that students with attendance **upto 60% only** may be allowed to appear for the End semester examinations which were scheduled from 28<sup>th</sup> November to 5<sup>th</sup> December 2023. It was also recommended that the student details will be placed before the Senate for considering End semester exam marks and their results will be declared after Senate's decision. AAC recommends for approving the same to the Senate. The list of students with attendance shortage and having attendance between 60% to 75% is provided in Annexure 24.3.

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

**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.*

**C.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:**

- The student needs to **attend the Course regularly and satisfy the attendance requirements.**
- Student will be allowed to appear for Minor(s), Mid and End semester examinations.

**Backlog-Option B:**

- The student need **NOT attend the Course regularly and satisfy the attendance requirement.**
- The student will be allowed to appear **ONLY for End semester Examination.** His/Her Minor and Mid-semester marks will be carry forwarded from their previous attempt.

*C. K. Jayaram*

*U. C. Ande*

*P. J. Jaisankar*

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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. Below is the list of students:

Sl. No.	Student Name	Roll No.	Present Semester	Backlog Subject	Semester	No. of Clashing Classes
1	HARSHIT TIWARI	21MCE1007	Fifth	ME202 (Fluid Mechanics)	Third	3 out of 3
2	KAJAL KUMARI	21MCE1011	Fifth	ME201 (Materials and Metallurgical Engineering)	Third	3 out of 3
3	VALLURU BINDU	21MCE1029	Fifth	ME204 (Basic Thermodynamics)	Third	1 out of 3
4	GAURISHA MAHENDRA NATEKAR	21CSE1010	Fifth	MA200 (Mathematics-III)	Third	3 out of 3
5	HARSH TULSHIDAS	21CSE1012	Fifth	MA200 (Mathematics-III)	Third	3 out of 3
6	MAAZ ALI	21EEE1016	Fifth	EE202 (Circuit Theory)	Third	3 out of 4
7	P. SURYA TEJA	21EEE1022	Fifth	EE201 (Analog Electronics)	Third	3 out of 4

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

**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.

**C.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.

C. Vijayakumar

18/12/23

Prasanna

**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.*

#### **C.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 organisation:

- 1) At the time of request, the scholar should be *within one year* of his/her Ph.D. registration
  - 2) At the time of request, Co-supervisor should be in service from a Govt./Aided/Private Organization from sectors like Academia (as Assistant Professor/Associate Professor/Professor), Industry, R&D Organizations, CSIR Labs or any other Government services
  - 3) Co-supervisor's overall working experience should be atleast five years
  - 4) Co-Supervisor should be a doctorate and his/her Ph.D. should be from an Institute within NIRF 100 or QS 500 (in last three years)
  - 5) Co-Supervisor should have an experience of guiding/co-guiding Ph.D. student(s) or having R&D Project(s)
  - 6) Co-Supervisor's No. of Publications should be atleast five (Publications defined as per our rule P8.1 for individual streams)
  - 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)*
- Senate is requested to consider the proposal and approve the same.*

**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.*

*C. Vijayarath*

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**C.24.7. Eligibility criteria of Doctoral Research Committee (DRC) member from External Organisation**

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
- 2) At the time of request, DRC member should be in service from a Govt./Aided/Private Organization from sectors like Academia (as Assistant Professor/Associate Professor/Professor), Industry, R&D Organizations, CSIR Labs or any other Government services
- 3) DRC members overall working experience should be atleast five years
- 4) DRC members No. of Publications should be atleast three (Publications defined as per our rule P8.1 for individual streams)
- 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)*

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

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

**C.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** is as highlighted below:

**Addendum to Rule P8.1:**

A minimum of 3 reputed journal papers are to be published as a part of Ph.D., out of which, atleast two journal papers should be published in,

*C. Vijayanth*

*K. A. de*

*Prasad*



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- SCI/SCI-E/SSCI indexed journals (*for Engineering and Applied Sciences*),
- 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. (*for Humanities*),
- Scopus, ABDC or SSCI journals (*for Social Sciences*).

(or) 3 Granted Patents of Design (or) Utility type *only from INDIA and USA*,

(or) combination of 3 Journal(s) & Patent(s) listed above.

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

**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.*

**C.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

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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.**

**C.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.***

**C.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.

**Proposed guidelines for the Applicant:**

- The applicant should be an Indian citizen
- The applicant must have obtained Ph.D from a recognized Institute with good academic credentials. Applicants who submitted and are awaiting the award of Ph.D. degree are also



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eligible to apply. However, such candidates, if selected, will be offered lower fellowship amount till they qualify the eligible degree.

- The upper age limit for the applicant is 35 years at the time of the submission of application. Age relaxation of 5 (five) years will be given to candidates belonging to SC/ST/OBC/Physically Challenged & Women candidates
- The duration of a Fellowship is **three years** and cannot be prolonged.
- Candidates who have completed Ph.D. in NIT Goa cannot apply for upto 2 years.
- Emoluments:

Sl. No.	Budget Head	Amount
1	Fellowship	Rs. 60,000/- per month (consolidated) and Rs. 40,000/- per month (consolidated) for candidates who have submitted the thesis but degree not awarded
2	Contingency	Rs. 50,000/- per annum

**Proposed guidelines for the Institute:**

- Number of Institute Post-doctoral Fellowships/year is **6 Nos**
- Proposals are called from interested faculty and applications are invited against each proposal
- Each department gets only one Post-doctoral fellow/year
- Opportunity to take the fellow rotates among faculties of the department, even if a post-doc fellow under a faculty leaves/withdraws in between
- Selections are done at departments and then Institute level committee decides allocation. Hence every department may not get a Post-doctoral fellow every year.

**Proposed Funding Source:** OH-31

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

**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

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**C.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.**

**C.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.**

**C.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 organisations 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 in **Annexure-24.5**.

Department	Adjunct Faculty	Experience
CSE	Will be presented in the Senate	
ECE	Dr. Commander Bhushan Dewan	35 years

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	Ph.D., M.Tech.[IIT Delhi];B.E.; PGDCM-Jammalal Bajaj IMS Member UNO Forum on Business & Human Rights-Geneva-2019 Sr. Member- IEEE [USA]; FIETE; FIE; Life Member- BMA Recognized MMS Teacher of University of Mumbai-since 1995 commander.	(Industry + Academics)
EEE	<b>Dr. Rimjhim Agrawal</b> Principal Data Scientist Utopus Insights  Vestas (Renewables)	10 years (Industry)
Mechanical	<b>Will be presented in the Senate</b>	
Civil	<b>Prof K V Jayakumar</b> Visiting Professor Cum Outreach Advisor IIT Dharwad, Karnataka Email: kvj@iitdh.ac.in; kvjayco@gmail.com; kvj@nitw.ac.in	45 years (Academics)

Emoluments: As per Institute norms.

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

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

**C.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.

*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).**

**C.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.....”

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**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 following are AAC's observations:

Student Details:

<b>Student Name</b>	: Rakhi R
<b>Roll no.</b>	: 19ECE3003
<b>Designation</b>	: Ph.D. Scholar (Full-time), Dept. of ECE
<b>Date of Joining Ph.D. Program</b>	: 30 <sup>th</sup> December 2019
<b>Completion of two years</b>	: 29 <sup>th</sup> December 2021
<b>Academic Break (Maternity grounds)</b>	: 01 <sup>st</sup> May 2022 to 30 <sup>th</sup> April 2023
<b>Resumed back to Ph.D.</b>	: 01 <sup>st</sup> May 2023

AAC observations:

1. The students Ph.D. Course work is completed.
2. The six-monthly Doctoral Research Committee (DRC) meetings were not conducted and thereby no reports were received by the academic office.
3. The student's stipend has been stopped from October 2023, after noticing that her comprehensive examination was not conducted.
4. Subsequently, the student has requested for allowing her to give comprehensive examination stating reasons for non-conduction of DRC and delay in Comprehensive Exam was due to - COVID pandemic and her delicate maternity health conditions.
5. Further, it was also informed that she was waiting for a conference paper acceptance for conducting the comprehensive exam.

*The Academic Advisory Committee took cognizance of her credentials and suggests for special permission from the Senate to condone the delay.*

It is also requested to authorize the Senate Chairman to approve any such Ph.D student requests asking for additional time for completing comprehensive examination with valid reasons. Also, the same will be ratified in the next Senate.

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

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**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.*

**C.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 in the below table.

Department Name	Semesters	Minor specialization	Syllabus of Higher Semester and Minor
Applied Sciences	N.A.	Computational Mathematics	Annexure24.7
Civil Engineering	<ul style="list-style-type: none"> <li>• <b>Course Structure</b></li> <li>• 3<sup>rd</sup> to 8<sup>th</sup> Semesters (II, III, IV Year) – <b>Syllabus</b></li> </ul>	N.A.	<b>Annexure24.8</b>  <b>Annexure24.9</b>
Mechanical Engineering	<ul style="list-style-type: none"> <li>• <b>Course Structure</b></li> <li>• 3<sup>rd</sup> to 8<sup>th</sup> Semesters (II, III, IV Year) – <b>Syllabus</b></li> </ul>	N.A.	<b>BOS approved Syllabus will be presented in the Senate</b>
Computer Science and Engineering	<ul style="list-style-type: none"> <li>• <b>Course Structure</b></li> <li>• 3<sup>rd</sup> and 4<sup>th</sup> Semesters – <b>Syllabus</b></li> <li>• <b>Minor Program</b></li> </ul>	Computer Science and Engineering	<b>BOS approved Syllabus will be presented in the Senate</b>

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Electronics and Communication	<ul style="list-style-type: none"> <li>• <b>Course Structure</b></li> <li>• 3<sup>rd</sup> and 4<sup>th</sup> Semesters – <b>Syllabus</b></li> <li>• <b>Minor Program</b></li> </ul>	Electronics and Communication	<b>BOS approved Syllabus will be presented in the Senate</b>
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Senate is requested to consider the proposal and approve the same.

**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.**

**C.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.**

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