

**THE Xth MEETING
OF
SENATE**

**NATIONAL INSTITUTE OF TECHNOLOGY
MEGHALAYA**

MINUTES

DAY : Monday

DATE: 03.10.2016

***VENUE: The Conference Room
NIT Meghalaya
Shillong***

NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA**Minutes of Tenth Meeting of the Senate held on 03.10.2016**

The Xth Meeting of the Senate of NIT Meghalaya was held on 3rd Oct, 2016 at 11:00 a.m. in the Conference Room of the Institute at Bijni Complex, Shillong and the following members were present:

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| 1. Professor D. K. Saikia, Director, NIT Meghalaya | - Chairman |
| 2. Professor R. Sirohi, Former Director, IIT Delhi | - Member |
| 3. Professor P.K. Basu, Retd. Professor, Calcutta University | - Member |
| 4. Professor P. Bharali, Retd. Director (Operations), Oil India Ltd. | - Member |
| 5. Professor P. Majumdar, CE Dept, IISc, Bangalore | - Member |
| 6. Professor P. Mahanta, ME Dept, IIT Guwahati | - Member |
| 7. Professor (Mrs.) M.P.R. Lyngdoh, Former Principal, Shillong College | - Member |
| 8. Dr. A. Dandapat, Assoc. Dean(Acad) & HoD, ECE, NIT Meghalaya | - Spl. Invitee |
| 9. Dr. A. Bhattacharjee, Assoc. Dean(R&C), NIT Meghalaya | - Spl. Invitee |
| 10. Dr. Saikat Mukherjee, Assoc. Dean(SW), NIT Meghalaya | - Spl. Invitee |
| 11. Dr. D. K. Sarma, Assoc Deam (P&D) , NIT Meghalaya | - Spl. Invitee |
| 12. Dr. Atanu Banerjee, HoD, Electrical Engineering, NIT Meghalaya | - Spl. Invitee |
| 13. Dr. R. Ray, HoD, Computer Sc. and Engineering, NIT Meghalaya | - Spl. Invitee |
| 14. Dr. S. Maity, HoD, Mechanical Engineering, NIT Meghalaya | - Spl. Invitee |
| 15. Dr. C. Marthong, HoD, Civil Engineering, NIT Meghalaya | - Spl. Invitee |
| 16. Dr. G. Dutta, HoD, Chemistry, NIT Meghalaya | - Spl. Invitee |
| 17. Dr. T. Subedi, HoD, Mathematics, NIT Meghalaya | - Spl. Invitee |
| 18. Dr. S. Mangang, HoD, Humanities and Social Sc, NIT Meghalaya | - Spl. Invitee |
| 19. Dr. K. Senthilkumar, HoD, Physics, NIT Meghalaya | - Spl. Invitee |

At the outset, the Chairman welcomed the members and the Special Invitees to the tenth Meeting of the Senate. The Chairman then requested the Assoc. Dean (Acad) to take-up the agenda of the meeting.

Item No. 1: Confirmation of the Minutes of the Ninth Meeting of the Senate of NIT Meghalaya held on 20.06.2016.

The Ninth Meeting of the Senate of the Institute was held on 20.06.2016 in the Conference Room of the Institute. The minutes of the meeting (Separate Booklet-Senate-IX Minutes) were circulated amongst the members of the Committee for their comments/ observations.

The Senate was requested to consider confirming the minutes.

R1/SENATE-X/16: *The Senate **Resolved** to **Confirm** the Minutes of the Ninth Meeting of the Senate with minor amendments in wordings.*

Item No. 2 : Follow up action on the decision of the Ninth Meeting of the Senate.

Actions taken on the decisions of the Ninth meeting of the Senate held on 20.06.2016 were presented before the committee.

R2/SENATE-X/16: *The Senate **Noted** the actions taken on the resolutions of the IXth Meeting of the Senate as presented.*

Item No. 3: Recommendations from IV-th RC Meeting held on 23-09-2016.

The Fourth meeting of the Research Committee of the Institute was held on 23rd Sep, 2016. The minutes of the meeting was circulated to the Senate Members after RC meeting on 26-09-16.

The Senate was requested to consider the minutes and make its observations.

R3/SENATE-X/16: *The Senate **Noted** the resolutions of the IVth RC Meeting and made the following suggestions / recommendations/ observations:*

i) On resolution R1/RC-IV/16:

Amend the resolution as-

*“The plagiarism detection software Turnitin may be used and the maximum allowed similarity index will be 15%. In case the similarity index **is above 15%** the Doctoral Committee will take a decision on the acceptability of the thesis based on the nature/context of similarity.”*

ii) On resolution R4/RC-IV/16:

A policy be framed for recognition of faculty members as PhD supervisors of the Institute keeping in view his/ her post PhD publication and ability to carryout independent research work.

As interim measure the Senate suggested that the faculty members (in the list under item no 5 in the RC-IV minutes) who have received their PhD degree recently (in 2016) may be recognised only as co-supervisor.

iii) On resolution R8/RC-IV/16:

The provision of the “Contingency Support” appears to be “Conservative”.

Some provisions may be made for attending prestigious conference/ Symposium/ workshop etc. abroad.

Item No. 4: Proposal Guidelines for Part Time M. Tech Programme

As recommended by the Senate in its VIII-th meeting held on 19-03-16 vide resolution No. R2/Senate-VIII/16, a Committee was constituted on 19-06-16 to recommend guidelines for M. Tech Part Time Programme. The Committee has submitted a proposal (Annexure-I) after considering such programmes running in other premier institutions.

The Senate was requested to consider the proposal for approval.

R4/SENATE-X/16: *The Senate **Resolved** that the proposed guidelines for part time M. Tech Programme be **Reviewed** and the revised proposal circulated among the members for approval.*

Item No. 5: Revised Criteria for President’s Gold Medal

The Board of Governors desired that the criteria for award of the President’s Gold Medals be reviewed. A committee was constituted by the Director of the Institute to review the criteria. The committee suggested some changes in the existing criteria. The draft revised criteria for the President’s Gold medal were circulated among the members for consideration.

The Senate was requested to consider these for recommendation for incorporation in Ordinance-V.

R5/SENATE-X/16: *The Senate Resolved that the proposed Amendments in the Criteria for the President's Gold Medal for incorporation in Ordinance-V be Reviewed and the revised draft circulated among the members for approval.*

Item No. 6: Constitute a New Academic Programmes Committee

The Academic Programmes Committee (APC) constituted on 01-07-2015 was for a term of one year. Academic Ordinance says:

“The Academic Programmes Committee (APC) shall be constituted by the Senate with one faculty member from each department as member and the Dean of Academic Affairs (DAA) as its Chairman. The APC shall assist the Senate in formulating the Curriculum Structures, deciding on new academic programmes and such other policy matters related to the academic programmes.”

The Senate was requested to constitute a new APC for a period of 1 year.

R6/SENATE-X/16: *The Senate Resolved to Constitute a new APC comprising following members, for a period of 1 year, with immediate effect.*

1. Assoc. Dean (Academics)	- Chairman
2. Dr. C. Marthong, HoD, CE	- Member
3. Dr. R. Ray, HoD, CSE	- Member
4. Dr. A. Dandapat, HoD, ECE	- Member
5. Dr. A. Banerjee, HoD, EE	- Member
6. Dr. S. Maity, HoD, ME	- Member
7. Dr. S. Kumar, HoD, Physics	- Member
8. Dr. G. Kumar, HoD, Chem	- Member
9. Dr. T. Subedi, HoD, Math	- Member
10. Dr. S. Mangang, HoD, HSS	- Member

Item No. 7: Recommendations from VI-th Meeting of Academic Programmes Committee (APC):

The Sixth Meeting of APC was held on 20th Sep, 2016 with a special permission from the Chairman, Senate to consider a set of new courses, required in the coming semester. The APC recommended courses were placed at Annexure-III for approval of the Senate. The recommendations of the APC are as tabulated below:

Sl. No.	Item	Brief Details	Resolutions
1	Syllabi of 500 level courses for M. Sc. Chemistry Programme	The DAC of the department of Chemistry had prepared the syllabi of the following courses for the M. Sc programme after due consultation with domain experts (Reference: Annex-III-A) for consideration of the APC. CH504 Analytical Techniques CH533 Nano Science and Technology	R3/APC-VI/16: <i>The APC resolved to recommend the syllabi of CH504, CH533, CH534, CH535, CH536, CH538 and CH539 courses after incorporating suggested changes for approval by the Senate.</i>

		<p>CH534 Chemistry of Natural Products and Heterocyclic Chemistry</p> <p>CH535 Crystallography</p> <p>CH536 Supramolecular Chemistry</p> <p>CH538 Symmetry and Group Theory</p> <p>CH539 Computational Chemistry</p>	<p>R7.1/SENATE-X/16:</p> <p><i>The Senate Resolved to Approve the Syllabi of courses after minor changes/corrections pointed out.</i></p>
2	New Syllabi of 300/400 level B. Tech (CE) courses	<p>The DAC of the department of Civil Engineering had prepared the syllabi of the courses for the B. Tech programme after due consultation with domain experts (Reference: Annex-III-B) for consideration of the APC.</p> <p>CE421 Dynamics of Soils and Foundations</p> <p>CE429 Continuum Mechanics</p> <p>CE432 Structural Dynamics</p> <p>CE433 Optimization Techniques</p> <p>CE434 Construction Technology and Management</p> <p>CE335 Thin Plates and Shells</p> <p>CE314 Hydraulics and Hydraulic Structures Lab</p>	<p>R4/APC-VI/16:</p> <p><i>The APC resolved to recommend the syllabi of CE421, CE429, CE432, CE43, CE434, CE335, CE314 courses after incorporation of suggested changes for approval by the Senate.</i></p> <p>R7.2/SENATE-X/16:</p> <p><i>The Senate Resolved to Approve the Syllabi of courses CE421, CE429, CE432, CE434, CE335 and CE 314 after minor changes/corrections pointed out.</i></p> <p><i>The Senate also Resolved to authorize chairman to approve CE 433 after incorporation of suggested changes.</i></p>
3	Syllabi of 500 level elective courses for M. Tech (EE) Programme	<p>The DAC of the department of EE had prepared the syllabi of an elective course for the M. Tech programme after due consultation with domain experts (Reference: Annex-III-C) for consideration of the APC.</p> <p>EE533 Synchrophasor Technology</p>	<p>R5/APC-VI/16:</p> <p><i>The APC resolved to recommend the syllabi of EE533 course for approval by the Senate.</i></p> <p>R7.3/SENATE-X/16:</p> <p><i>The Senate Resolved to Approve the Syllabi of courses with the incorporation of minor changes.</i></p>
4	Revised Syllabi of 300 level courses for B. Tech (EE) Programme	<p>The DAC of the department of EE had revised the syllabi of EE304 and EE306 courses for the B. Tech Programme (Reference: Annex-III-D) for consideration of the APC.</p> <p>EE 304 Power Electronics</p> <p>EE 306 Protection and Switchgear</p>	<p>R6/APC-VI/16:</p> <p><i>The APC resolved to recommend the syllabi of EE304 and EE306 courses for approval by the Senate.</i></p> <p>R7.4/SENATE-X/16:</p> <p><i>The Senate Resolved to</i></p>

			Approve the Syllabi of courses after minor changes/corrections pointed out.
5	Syllabi of 500 level courses for M. Sc Physics Programme	<p>The DAC of the department of Physics had prepared the syllabi of the following courses for the M. Sc programme after due consultation with domain experts (Reference: Annex-III-E) for consideration of the APC.</p> <p>PH504: Nuclear Physics PH541: Science and Technology of Thin Films PH542: Nano Science and Technology PH543: Physics of Liquid Crystals PH551: Light-Matter Interaction PH552: Spintronics PH553: Biological Physics</p>	<p>R7/APC-VI/16:</p> <p><i>The APC resolved to recommend the syllabi of PH504, PH541, PH542, PH543, PH551, PH552, PH553 courses after incorporation of suggested changes for approval by the Senate.</i></p> <p>R7.5/SENATE-X/16:</p> <p>The Senate Resolved to Approve the Syllabi of courses after minor changes/corrections pointed out.</p>
6	New Syllabi of 400 level B. Tech (ME) courses	<p>The DAC of the department of Mechanical Engineering had prepared the syllabi of the courses for the B. Tech programme after due consultation with domain experts (Reference: Annex-III-F) for consideration of the APC.</p> <p>ME 423 Gas Turbines ME 426 Hydro Power ME 427 Power Plant Engineering</p>	<p>R8/APC-VI/16:</p> <p><i>The APC resolved to recommend the syllabi of ME423, ME426, ME427, courses after incorporation of suggested changes for approval by the Senate.</i></p> <p>R7.6/SENATE-X/16:</p> <p>The Senate Resolved to Approve the Syllabi of courses with the incorporation of minor changes/correction.</p>
7	New 700 level course (ME)	<p>The DAC of the department of Mechanical Engineering had prepared the syllabi of a 700 level course after due consultation with domain experts (Reference: Annex-III-G) for consideration of the APC.</p> <p>ME703 Numerical Fluid Mechanics</p>	<p>R9/APC-VI/16:</p> <p><i>The APC resolved to recommend the syllabi of ME703 for approval by the Senate.</i></p> <p>R7.7/SENATE-X/16:</p> <p>The Senate Resolved to Authorize the Chairman to approve the Syllabus of ME703 after comments from domain experts are obtained and incorporated as applicable.</p>

Item No. 8: Revision of Ordinance-III: Ordinance on Students Council

With the growth of the Institute, a need for changes in the “Ordinance on Students Council” was felt so as to expand the scope of activities of the Council as well as the process of its constitution. The Director constituted a Committee under the Chairmanship of the Associate Dean (Students Welfare) to recommend changes required in the Ordinance. The Committee has submitted its proposal for a revised Ordinance (Annexure-IV).

The Senate was requested to consider the proposal for revision of the Ordinance-III.

R8/SENATE-X/16: *The Senate Resolved that the proposed Amendment in Ordinance -III of the Institute be Reviewed and the revised draft circulated among the members for approval.*

Item No. 9: Items for Ratification**a) Three more Students from B. Tech 2012 Batch Qualified for Degree in Aug 2016.**

Three final year B. Tech students who did not complete the requirements for the degree in June’16 have cleared their backlog courses in the Supplementary (2 students) and Summer Term Examinations (1 Student) held in July, 2016. The final result details of these three students are as follows:

Sl. No.	Dept	Roll No	Student's Name	SGPA	CGPA
1	EE	B12EE025	Nishant Kumar	7.00	5.30
2	EE	B12EE026	Deepak Kumar Bheel	6.00	5.64
3	EE	B12EE027	Sanny Kumar	5.00	5.11

The Chairman approved issuing of provisional certificates to these students subject to ratification. The Senate may consider recommending award of degrees to these three students. With these, the total number of students from B. Tech 2012 batch passing out in 2016 becomes 68.

R9 (a)/SENATE-X/16: *The Senate Resolved to Ratify and Recommend these three students to the Board for award of degrees.*

b) Enhancement of B. Tech Fee Structure from 2016.

MHRD has enhanced B. Tech tuition fees for NITs from Rs. 70000/- to Rs. 1,25,000/- per student per annum from the academic year 2016-17 (F.No.33-4/2014 - TS.III dt. 24th June, 2016)(Annex-V) with concessions for the socially and economically underprivileged sections. Accordingly changes have been made in the Institute’s fees structure as shown in Annexure-V.

The Senate was requested to consider ratification of the enhancement along with the concessions to the underprivileged sections.

R9 (b)/SENATE-X/16: *The Senate Noted the enhancement of B. Tech Fee Structure from 2016*

Item No.10: Reporting Items

a) New faculty recruitment

Following new faculty members have joined after 9th Senate.

Sl. No.	Name	Dept	Designation	Qualification
1	Ms. Smrutirekha Sahoo	CE	Asst. Prof.	PhD Pursuing (Thesis Submitted)/ IIT Delhi
2	Dr. Mukul Pradhan	Chem	DST Insp. Faculty	PhD/2012/ IIT Kharagpur
3	Dr. Amit Kumar Paul	Chem	Asst. Prof.	PhD/2013/IACS Kolkata
4	Dr. Diptendu Sinha Roy	CSE	Assoc. Prof.	PhD/2010/BIT Mesra
5	Dr. Ksh. Milan Singh	EE	Asst. Prof.	PhD/2016/IIT Rourkee
6	Dr. Piyush Pratap Singh	EE	Asst. Prof.	PhD/2015/NIT Silchar
7	Dr. P. P. De	ECE	Assoc. Prof.	PhD/1998/Univ of Cincinnati
8	Dr. Tanmoy Bose	ME	Asst. Prof.	PhD/2015/IIT Kharagpur
9	Dr. Maneswar Rahang	ME	Asst. Prof.	PhD/2015/NIT Silchar
10	Dr. Susmita Sarma	CE	Asst. Prof.	PhD/2016/ IIT Bombay
11	Dr. Debabrata Poddar	CE	Asst. Prof.	PhD/2016/ IIT Kharagpur

R10 (a)/SENATE-X/16: The Senate **Noted** the list of newly recruited faculties as presented

b) Admission 2016

B. Tech 2016	
Dept.	Total Enrolled
CE	25
ME	23
ECE	27
CSE	28
EE	25
Total	128

M. Sc 2016	
Dept.	Total Enrolled
MA	9
CH	13
PH	15
Total	37

M. Tech 2016	
Dept.	Total Enrolled
ME	14
ECE	14
CSE	16
EE	19
Total	63

Ph D 2016	
Dept.	Total Enrolled
CE	2
ECE	1
ME	5
EE	2
MA	2
CH	4
Total	16

It may be noted that the number of seats remaining vacant in the programmes are: B. Tech – 22, M. Sc – 11, M. Tech – 12. In most NITs seats in significant numbers have remained vacant in the B. Tech programme due to the counselling process. A Committee has been constituted by the ministry to look into the changes required in the counselling process to avoid such vacancies.

R10 (b)/SENATE-X/16: The Senate **Noted** the Admission details of 2016 as presented.

c) Convocation 2016

The Third Convocation of NIT Meghalaya was held on 21st June, 2016 (Tuesday). Shri V. Shanmuganathan, Hon'ble Governor of Meghalaya was the Chief Guest and Professor Gautam Barua, Director, IIIT Guwahati and Former Director, IIT Guwahati, was Guest of Honour in the Convocation. The Third Batch of 65 B. Tech. students and First Batch of 43 M. Tech students received degree in the 3rd Convocation.

R10 (c)/SENATE-X/16: The Senate *Noted* Convocation 2016 details as presented.

As there was no other item to discuss, the meeting concluded with thanks to and from the Chair.

Sd/-

Dr. Anup Dandapat
Associate Dean (Academic)