

**THE XVIth MEETING
OF
SENATE**

**NATIONAL INSTITUTE OF TECHNOLOGY
MEGHALAYA**

MINUTES

DAY : Saturday

DATE: 15.12.2018

*VENUE: The Conference Room
NIT Meghalaya
Shillong*

NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA**Minutes of Sixteenth Meeting of the Senate held on 15.12.2018**

The XVIth Meeting of the Senate of NIT Meghalaya was held on 15th December 2018 at 10:30 a.m. in the Conference Room of the Institute at Bijni Complex, Shillong and the following members were present:

- | | |
|--|----------------|
| 1. Professor B.B. Biswal, Director, NIT Meghalaya | - Chairman |
| 2. Professor N. C. Shivprakash, Professor, IISC Bangalore | - Member |
| 3. Professor (Mrs.) M.P.R. Lyngdoh, Former Principal, Shillong College | - Member |
| 4. Professor M.K. Paswan, Professor, NIT Jamshedpur | - Member |
| 5. Professor Ranjit Kumar Sahoo, Professor, NIT Rourkela | - Member |
| 6. Prof. G. Panda, Professor, NIT Meghalaya | - Member |
| 7. Prof. A. Bhattacharjee, Professor, NIT Meghalaya | - Member |
| 8. Prof. H. C. Das, Professor NIT Meghalaya | - Member |
| 9. Dr. L. Patton, HoD, CE, NIT Meghalaya | - Spl. Invitee |
| 10. Dr. R.R. Ray, HoD(i/c), CSE, NIT Meghalaya | - Spl. Invitee |
| 11. Dr. Ch.V. Rama Rao, HoD, ECE, NIT Meghalaya | - Spl. Invitee |
| 12. Dr. S. Debbarma, HoD (i/c), EE, NIT Meghalaya | - Spl. Invitee |
| 13. Dr. B. Sarkar, HoD, ME, NIT Meghalaya | - Spl. Invitee |
| 14. Dr. M. Saha, HoD, MA, NIT Meghalaya | - Spl. Invitee |
| 15. Dr. K. Senthilkumar, HoD, PH, NIT Meghalaya | - Spl. Invitee |
| 16. Dr. A. S. Roy, HoD, CY, NIT Meghalaya | - Spl. Invitee |
| 17. Dr. S. Mangang, HoD, HS, NIT Meghalaya | - Spl. Invitee |
| 18. Dr. V. Pal, PIC (UG) | - Spl. Invitee |
| 19. Dr. P. Rangababu, PIC (PG & R) | - Spl. Invitee |
| 20. Mrs. Ambika Rai, Asst. Registrar(AA), NIT Meghalaya | - Spl. Invitee |
| 21. Mr. B. N. Choudhury, Registrar, NIT Meghalaya | - Secretary |

Two other members, Professor P. K. Basu and Professor P. Mahanta could not attend the meeting due to prior commitments. Leave of absence was granted.

At the outset, the Chairman welcomed the members and the special invitees to the Sixteenth Meeting of the Senate. The Chairman introduced two new members of the Senate before taking up the agenda of the meeting.

Item No. 1: Confirmation of Minutes of the XVth Meeting of the Senate of NIT Meghalaya held on 03.08.2018.

The Fifteenth Meeting of the Senate of the Institute was held on 03.08.2018 in the Conference Room. The minutes of the meeting were circulated amongst the members of the Committee for their comments/ observations. No comments were received from any of the members.

R1/SENATE-XVI/18: *The Senate Resolved to Confirm the minutes of the XVth Meeting of the Senate as circulated.*

Item No. 2 : Action Taken Report on the decision of the XVth Meeting of the Senate.

Actions taken on the decisions of the Fifteenth Meeting of the Senate were presented to the Senate.

R2/SENATE-XVI/18: *The Senate **Noted** the actions taken on the resolutions of the XVth Meeting of the Senate and recommended on the following resolutions:*

R5/SENATE-XV/18: *Review of ordinance V to be presented in next Senate Meeting.*

R9/SENATE-XV/18: *The Committee formed by Dean (R/C) to submit a plan on Joint PhD Programme by Integration of Technical Institutions NITs with the National Laboratories. The members further recommended that other reputed Institutes may also be included along with National Laboratories in the proposal.*

R11/SENATE-XV/18: *The Senate Members recommended to revise pt. 1.3 (internal employees) of the proposed Part Time M. Tech Programme and also present the proposed Fee Structure in the next Senate Meeting.*

Item No. 3: Review of Autumn Semester-2018 Results (B.Tech, M.Tech, M.Sc and Ph.D Programme)

The End-Term Examination Results prepared by Result Committee along with minutes of the PG-PEC & UG-PEC meetings were placed before the Senate with a request to publish the results on 17th of Dec, 2018.

R3/SENATE-XVI/18: *The Senate **Resolved to Note** the result analysis of Autumn Semester Exams as presented in the agenda and **Approved** to declare the results on 17th Dec, 2019. The Senate suggested the Result Committee to present the results of B.Tech First and Second year courses in percentage format instead of Department wise for better understanding and analysis. As suggested by the Senate, the Result Committee has prepared the results and placed as Annexure-II(a) and Annexure-II(b)*

Item No.4: Proposal to increase the intake capacity of B.Tech Programme (CSE, ECE, EEE, and ME).

It was proposed to increase the present intake of B.Tech Programme across four Engineering disciplines (CSE, ECE, EE and ME) from existing 30 students to 45 students in each of these disciplines from autumn 2019.

R4/SENATE-XVI/18: *The Senate **Resolved to Approve** the proposal to increase the intake of students to 45 nos. for B. Tech in each of these disciplines (CSE, ECE, EE & ME) from autumn 2019.*

Item No.5: Proposal for Fee structure of Ph.D Programme under Sponsored Category

The new Fee Structure for Ph.D Programme, Sponsored (Part Time) Category was presented before the Senate for approval.

R5/SENATE-XVI/18: *The Senate **Resolved to Recommend** the proposed fee structure to the BoG for approval after suggesting rectification of the tuition fees to Rs. 20,000/- only per semester from Rs. 17,500/- per semester as proposed. Further, the members also recommended that the tuition fees of Full Time Ph.D Scholars should be enhanced to Rs. 10,000/- only per semester from existing Rs. 7,500/- per semester and this shall come to effect from new admission 2019 onwards.*

Item No.6: Amendments in Ph.D Regulations

Few amendments in the existing Ph.D regulations were proposed to the Senate Members for approval.

a)	Formation of Doctoral Committee (DC)	
	Existing	Proposed
	<p>The formation of the DC will be initiated by the supervisor(s) to monitor the progress of each of the research scholars. The DC shall consist of the following:</p> <ol style="list-style-type: none"> 1.A Senior faculty member nominated by the DRC/ CRC, Chairman 2.Supervisor, Convenor 3.Co-supervisor, Member 4. A faculty member, otherwise eligible to be supervisors, of the concerned department/ centre, Members 5.One faculty member from an allied department/centre, Member 6.One external member from Industry/ Research establishment/ Academia, Member 	<p>The formation of the DC will be initiated by the supervisor(s) to monitor the progress of each of the research scholars. The DC shall consist of the following:</p> <p><u>Members proposed by Supervisor :</u></p> <ol style="list-style-type: none"> <u>i). Convenor : Supervisor,</u> <u>ii). Member-1 : Co-supervisor (if any)</u> <u>iii).Member-2 : A faculty member, otherwise eligible to be supervisor(s), of the concerned department/centre,</u> <u>iv).Member-3 : One faculty member, from an allied department/centre,</u> <p><u>Members nominated by Dean (AA) :</u></p> <ol style="list-style-type: none"> <u>v).Member-4 : A faculty member, from other department/centre,</u> <u>vi).Chairman : A Senior faculty member, (Preferably from the Department)</u> <p>Form II(B) has been revised accordingly and placed in Annexure-III</p> <p><u>R6(a)/SENATE-XVI/18:</u> <i>The Senate Resolved to Recommend the proposed amendment after recommending to include “preferably from the Dept. under Pt. 6” and to incorporate DRC Chairman/HoD in the forms.</i></p>
b)	Inclusion of Critical Dates for Full Time /Sponsored/ Part Time Ph.D Programme	

Activities	Full Time	Sponsored/Part-time
Date of Enrolment:	Admission Date	
Registration Date:	Registration Seminar Date	
Earliest Submission Date:	1.5 Years after Ph. D registration	2 Years after Ph. D registration
Min. time for Thesis submission:	2 Years after Ph. D registration	3 Years after Ph. D registration
Max. time for Thesis submission:	8 years from the date of enrolment	

R6(b)/SENATE-XVI/18: *The Senate Resolved to Approve the critical dates for Full Time / Sponsored/ Part Time Ph.D Programme.*

c) Ph.D Thesis Submission Criteria

(i) **Regular Submission Criteria**

Existing criteria	Proposed criteria
A Ph. D scholar may submit his/ her thesis (along with Form XII) within the stipulated period but not later than two months from the date of pre-submission seminar provided he/ she fulfills all requisites for Ph. D thesis Submission with at least one peer-reviewed/ refereed publication including book chapters/ articles in research journals.	A Ph. D scholar may submit his/ her thesis (along with Form XII) within the stipulated period but not later than two months from the date of pre-submission seminar provided he/she fulfills all requisites for Ph. D thesis <u>with a substantial work preferably two accepted/published papers in a refereed journal (Scopus/SCI/ESCI/SSCI/AHCI) as a first author.</u>

R6(c-i)/SENATE-XVI/18: *The Senate Resolved to Approve the amendment as proposed*

(ii) **Early Submission criteria**

Existing criteria	Proposed criteria
If a research scholar desires to submit a Ph.D. thesis prior to the completion of minimum stipulated time as prescribed in clause 8 of PhD regulation, he/she should satisfy the following criteria:	If a research scholar (part time/ full time) desires to submit a Ph.D. thesis prior to the completion of minimum stipulated time as prescribed in clause 8 of PhD regulation, and as per the critical dates, he/she should satisfy the following criteria:

<p>i) Completed one and half years after PhD registration</p> <p>ii) Published at least three (3) papers in SCI/ SSCI Journals as first author.</p> <p>iii) Have recommendations of extended DRC (two other Dept. members/experts, nominated by Chairman, RC)</p> <p>iv) The Candidate should make request application through supervisor to DRC at least 3 months prior to pre-submission of thesis.</p>	<p>Please refer critical dates from item 6(b)</p> <p>Published at least three (3) papers in a referred journal (Scopus/SCI/ESCI/SSCI/AHCI) as first author.</p> <p>OR</p> <p><u>Filed at least one patent and published at least one paper in a referred journal (Scopus/SCI/ESCI/SSCI/AHCI)</u> as a first author</p> <p>OR</p> <p><u>Developed two products and published at least one paper in a referred journal (Scopus/SCI/ESCI/SSCI/AHCI)</u> as a first author.</p> <p>iii) Have recommendations of extended DRC (two other Dept. members/experts, nominated by Chairman, Senate)</p> <p>iv) The Candidate should make request application through supervisor to DRC at least 3 months (1 month) prior to pre-submission of thesis.</p> <p>R6(c-ii)/SENATE-XVI/18: <i>The Senate Resolved to Approve the amendment after recommending to rectify point 6(c-ii-iv) to 1 month from proposed 3 months.</i></p>
<p>d) Relaxation of Qualification and Experience Criteria for Sponsored Ph.D Programme</p>	
<p>(i) Existing Qualification Criteria</p>	<p>Proposed Qualification Criteria</p>
<p>Master's degree in Engineering/ Science/ Technology/ Humanities and Social Sciences/ Management Sciences/ or Master's degree in the allied subjects with consistently good academic record and a minimum of 60%</p>	<p>Master's degree in Engineering/ Science/ Technology/ Humanities and Social Sciences/ Management Sciences/ or Master's degree in the allied subjects with consistently good academic record and a minimum of 60% (55% in case of Humanities and Social Sciences) marks or an equivalent CGPA in the Master's degree.</p>

	(55% in case of Humanities and Social Sciences) marks or an equivalent CGPA in the Master's degree. Candidates with B.E. / B. Tech. with an aggregate of 75% marks or equivalent GPA with valid GATE score will also be eligible	Candidates with B.E. / B. Tech. with an aggregate of 60% marks or equivalent CGPA are eligible . <i>Relaxation for SC/ST & PH as per GoI norms.</i> R6(d-i)/SENATE-XVI/18: <i>The Senate Resolved to Approve the amendment.</i>
(ii)	Existing Experience Criteria	Proposed Experience Criteria
	Employees from Industries, Corporate Houses, Research and Development (R&D) Organizations and Faculties of Senior Colleges with minimum working experience of 5 years are eligible for applying to this Ph.D. Programme	Employees from Industries, Corporate Houses, Research and Development (R&D) Organizations and Faculties of Senior Colleges with minimum working experience of 5 years, out of which 2 years should be from the current organization , will be eligible for applying to the Sponsored Ph.D. Programme. R6(d-ii)/SENATE-XVI/18: <i>The Senate Resolved to Approve the amendment.</i>
(iii)	Existing Age Criteria	Proposed Age Criteria
	Nil	Candidate's age should not be more than 60. R6(d-iii)/SENATE-XVI/18: <i>The Senate Resolved to Approve the amendment after recommending to rectify proposed age criteria to 58 years.</i>

Item No.7: Amendment in Ordinance VI (Proposal for Leave Entitlement to Ph.D & M.Tech students)

Few amendments in the existing Ordinance VI were proposed.

a)	Leave Rules for Ph.D	
	i). The scholar shall be eligible for 20 days of leave in a year with the approval of the head of the department at the recommendation of his/ her faculty adviser. To avail leave the scholar will be required to apply in advance in prescribed form	i) Personal Leave (20 days): The scholar shall be eligible for 20 days of leave in a year with the approval of the head of the department at the recommendation of his/ her faculty adviser. To avail leave the scholar will be required to apply in advance in

Saturdays, Sundays or holidays during the leave period are counted towards leave, except for prefixed or suffixed holidays. A maximum of 5 days of such leave is allowed to avail at a stretch if a student having any teaching assignment.

ii) Scholar can avail medical leave. Medical leave will be considered on case to case basis.

iii) If any unauthorized leave taken by scholar then, minimum time for submission will be as tabulated in PhD regulation (Sec IV-8.1) + (no of non-entitled leave X 2) days.

iv) The Head of the Department (HoD) shall sanction leave on recommendation of the Supervisor/ Faculty Advisor.

Academic leave may be permitted to students to attend conferences/ seminars/ workshops/ trainings/

prescribed Form 1B (a). A maximum of 5 days of such leave is allowed to avail at a stretch if a student is having any teaching assignment

Grievance of students:

Saturdays, Sundays or holidays falling between the leave period may be excluded.

R7(a-i)/SENATE-XVI/18: *The Senate Resolved to Approve the exclusion of Saturdays, Sundays or holidays falling between the leave period if the leave period is not greater than 5 days at a stretch.*

ii) Medical Leave:

Scholar can avail medical leave in prescribed Form 1B (b). Medical leave will be considered on case to case basis **with the approval of the Head of the Institute on recommendations of the Supervisor/Faculty Advisor/HoD/Dean (AA).**

R7(a-ii)/SENATE-XVI/18: *The Senate Resolved to Approve the medical leaves as proposed and recommended to add maximum Medical Leaves in year to 15 days. Excess to 15 days will shift the minimum time for Thesis Submission to (Days of Excess Medical Leave *2) days.*

iii) Unauthorized Leave:

If any unauthorized leave is taken by scholar then, minimum time for submission will be as tabulated in PhD regulation (Sec IV-8.1) + (No. of non-entitled leave X 2) days.

R7(a-iii)/SENATE-XVI/18: *The Senate Resolved to Approve the amendment.*

iv) Academic Leave (Max 20 days):

Scholars can avail Academic Leaves only after the completion of 2nd Semester.

Academic leave may be permitted to students to attend conferences/ seminars/ workshops/ trainings/

<p>short-term courses/ field trips for data collection, survey etc. A maximum of 20 days of academic leave is permissible in a calendar year</p> <p>v) Academic leave of more than 60 days but up to a maximum of 12 months is also permissible to carry out part of the research in another institute/ R&D Lab/ industry in India or abroad. For sanction of such a leave, a letter of consent from the host organization shall be required.</p> <p>Head of the Department (HoD) sanctions leave on recommendation of the Supervisor/ Faculty Advisor</p> <p>vi) Lady scholars shall be eligible for maternity leave up to six months once during the PhD programme. The Head of the Institute sanctions</p> <p>vii) Not Available.</p>	<p>short-term courses/field trips for data collection, survey etc. A maximum of 20 days of academic leave is permissible in a calendar year. From 1B(c) to be used for this purpose.</p> <p><u>Dean (AA) sanctions academic leaves on recommendation of the Supervisor/ Faculty Advisor/HoD.</u></p> <p><u>R7(a-iv)/SENATE-XVI/18:</u> <i>The Senate Resolved to Approve the amendment.</i></p> <p><u>v) Academic Leaves (more than 20 days):</u> Academic leave of more than 20 days but up to a maximum of 12 months is also permissible to carry out part of the research in another institute/ R&D Lab/ industry in India or abroad. For sanction of such a leave, a letter of consent from the host organization shall be required. From 1B (b) to be used for this purpose.</p> <p><u>Academic leaves of more than 20 days will be sanctioned by the Head of the Institute on recommendation of the Supervisor/ Faculty Advisor/HoD/Dean (AA).</u></p> <p><u>R7(a-v)/SENATE-XVI/18:</u> <i>The Senate Resolved to Approve the amendment.</i></p> <p><u>vi) Maternity Leave:</u> Female scholars shall be eligible for maternity leave up to six months once during the PhD programme. The Head of the Institute sanctions maternity/ paternity leave on recommendation of the Head of the Department/Centre and submission of a certificate from a Recognized Medical Officer /Medical Officer of the institute.</p> <p><u>R7(a-vi)/SENATE-XVI/18:</u> <i>The Senate Resolved to Approve the amendment.</i></p> <p><u>vii) Paternity Leave:</u></p>
---	--

		<p><u>Male scholars shall be eligible for 15 days paternity leave only once during the PhD Programme.</u></p> <p><u>The Head of the Institute sanctions paternity leave on recommendation of the Head of the Department/Centre and submission of a certificate from a Recognized Medical Officer /Medical Officer of the institute.</u> From 1B (b) to be used for this purpose</p> <p>Revised leave Forms are placed to apply for leave in Annexure-IV</p> <p><u>R7(a-vii)/SENATE-XVI/18:</u> <i>The Senate Resolved to Approve the amendment.</i></p>
b)	Leave Rules for M. Tech	
	<p>i) The student shall be eligible for 20 days of leave in a year with the approval of the head of the department at the recommendation of his/ her faculty adviser. To avail leave the scholar will be required to apply in advance in prescribed form. Saturdays, Sundays or holidays during the leave period are counted towards leave, except for prefixed or suffixed holidays. A maximum of 5 days of such leave is allowed to avail at a stretch if a student having any teaching assignment.</p> <p>ii) Scholar can avail medical leave. Medical leave will be considered on case to case basis.</p>	<p><u>i) Personal Leave (20 days):</u></p> <p>The student shall be eligible for 20 days of leave in a year with the approval of the head of the department at the recommendation of his/ her faculty adviser. To avail leave the scholar will be required to apply in advance in prescribed form. A maximum of 5 days of such leave is allowed for availing at a stretch if a student is having any teaching assignment.</p> <p>Form 1B (a) to be used for this purpose.</p> <p><u>Grievance of students:</u></p> <p>Saturdays, Sundays or holidays falling between the leave period may be excluded.</p> <p><u>R7(b-i)/SENATE-XVI/18:</u> <i>The Senate Resolved to Approve the exclusion of Saturdays, Sundays or holidays falling between the leave period if the leave period is not greater than 5 days at a stretch.</i></p> <p><u>ii) Medical Leave:</u></p> <p>Scholar can avail medical leave. Medical leave will be considered on case to case basis <u>with the approval of the Head of the Institute on recommendations of the Supervisor/Faculty Advisor/HoD/</u></p>

	<p>Dean (AA). Form 1B (b) to be used for this purpose.</p> <p>R7(b-ii)/SENATE-XVI/18: <i>The Senate Resolved to Approve the medical leaves as proposed and recommended to add maximum Medical Leaves in year to 15 days.</i></p>
iii) Academic Leaves: Not Available	<p>iii) PG Students can avail Academic Leaves only after the completion of 2nd Semester with the approval of the Head of the Institute on recommendations of the Supervisor/Faculty Advisor/HoD/Dean (AA).</p> <p>R7(b-iii)/SENATE-XVI/18: <i>The Senate Resolved to Approve the amendment.</i></p>

Item No. 8: Financial support for research scholars to attend international conferences outside of India

Few amendments were proposed to existing guidelines on Financial support for research scholars to attend international conferences

Conference/Workshop outside of India	
Existing	Proposed
30% of total expenditure (Registration+ Air-travel+ Accommodation)/Rs.50,000/- whichever is less, will be reimbursed.	30% of total expenditure (Registration +Air-travel+ Accommodation) /Rs.50,000/- whichever is less, will be reimbursed. The institute shall provide (interest free) loan facility with maximum limit of Rs. 1,00,000/-only, apart from the institute financial support mentioned above, to encourage the Ph.D scholars for attending International conferences held abroad. The scholars must pay-back the amount taken as loan to institute after receiving fund from any agency or bear by himself / herself.
	R8/SENATE-XVI/18: <i>The Senate Resolved to Approve the amendments as proposed and recommended to incorporate the word</i>

	<p><i>“interest free loan facility” in replacement to loan facility.</i></p>
--	--

Item No. 9: Recommendations of Xth APC meeting held on 3rd Dec 2018

The Xth meeting of the APC was held on 3rd Dec 2018. The APC recommended curriculum and courses are placed at Annexure-3 for the approval of the Senate. The recommendations of the APC are tabulated below:

Sl. No.	Item	Brief Details	Recommendation to Senate
a	Proposal of Supplementary Exam for Final year students having backlogs in 7th and 8th Semester	The APC proposed to conduct a Supplementary Exam for B.Tech final year students having backlog courses in the 7th and 8th semesters, on yearly basis, before the commencement of Autumn Semester. This will help some students to be eligible for the award of degree during the following convocation. The proposed timeline for Supplementary Exam is included in the Academic Calendar for amendment.	<p>R1/APC-X/18 <i>The APC resolved to recommend for approval by the Senate</i></p> <p>R9(a)/SENATE-XVI/18: <i>The Senate Resolved to Approve Supplementary Exam for Final year students having backlogs in 7th and 8th Semester.</i></p>
b	Proposal of 2 nd semester course syllabi of M.Tech Programme offered by CE	DAC of CE has prepared the syllabi of second semester core, elective and lab courses in M.Tech Programmes. Course details and comments from experts are presented as -Annexure-V(a)	<p>R2/APC-X/18 <i>The APC resolved to recommend the syllabi for approval by the Senate.</i></p> <p>R9(b)/SENATE-XVI/18: <i>The Senate Resolved to Approve the 2nd semester course syllabi of M.Tech Programme offered by CE Department after incorporating minor changes.</i></p>

c	Proposal of 2 nd semester lab course syllabi of M.Tech Programme offered by CS Department	DAC of CS has proposed the lab courses syllabi for the approved core and elective courses offered in M.Tech Programme. Course details and comments from experts are presented as Annexure-V(b)	<p>R3/APC-X/18 <i>The APC resolved to recommend the syllabi for approval by the Senate</i></p> <p>R9(c)/SENATE-XVI/18: <i>The Senate Resolved to Approve the 2nd semester lab course syllabi of M.Tech Programme offered by CS Department after incorporating minor changes.</i></p>
d	i) Proposal of 2 nd semester courses syllabi of M.Tech Programme offered by EC Department	DAC of EC has prepared the syllabi of second semester core, elective and lab courses offered in M.Tech Programme. Course details and comments from experts are presented as Annexure-V(c) ,	<p>R4(a)/APC-X/18 <i>The APC resolved to recommend the syllabi for approval by the Senate</i></p> <p>R9(d)/SENATE-XVI/18: <i>The Senate Resolved to Approve the 2nd semester course syllabi of M.Tech Programme offered by EC Department after incorporating minor changes.</i></p>
	ii) Proposal of Pre-requisite change for Department elective course in B.Tech Programme offered by EC Department	DAC of EC has proposed to change the pre-requisite for Department Elective Course (EC416) from EC 201 to MA203 in the B.Tech Programme.	<p>R4(b)/APC-X/18 <i>The APC resolved to recommend to change in the pre-requisite for approval by the Senate</i></p> <p>R9(d-ii)/SENATE-XVI/18: <i>The Senate Resolved to Approve Pre-requisite change for Department elective course in B.Tech Programme offered by EC Department.</i></p>

e	Proposal of 2 nd semester courses syllabi of M.Tech Programme offered by EE Department	DAC of EE has prepared the syllabi of second semester core, elective and lab courses offered in M.Tech Programme. Course details and comments from experts are presented as- Annexure-V(d)	<p>R5/APC-X/18 <i>The APC resolved to recommend the syllabi for approval by the Senate</i></p> <p>R9(e)/SENATE-XVI/18: <i>The Senate Resolved to Approve 2nd semester course syllabi of M.Tech Programme offered by EE Department after incorporating minor changes.</i></p>
f	Proposal of 2 nd semester courses syllabi of M.Tech Programme offered by ME Department	DAC of ME has prepared the syllabi of second semester core, elective and lab courses offered in M.Tech Programme. Course details and comments from experts are presented as- Annexure-V(e)	<p>R6/APC-X/18 <i>The APC resolved to recommend the syllabi for approval by the Senate</i></p> <p>R9(f)/SENATE-XVI/18: <i>The Senate Resolved to Approve 2nd semester course syllabi of M.Tech Programme offered by ME Department after incorporating minor changes.</i></p>
g	Proposal for Merit-cum-means (MCM) scholarship for the M.Sc. students (CY, PH and MA departments).	The Xth APC proposed Merit-cum-means (MCM) scholarship for the M.Sc. students of CY, PH and MA departments having CGPA greater than 8.0 and with family annual income lesser than 2-3 Lakh.	<p>R7/APC-X/18 <i>The APC resolved to recommend the MCM scholarship for approval by the Senate.</i></p> <p>R9(g)/SENATE-XVI/18: <i>The Senate Resolved to Approve Merit-cum-means (MCM) scholarship for the M.Sc. students (CY, PH and MA departments).</i></p>

Item No.10: Reporting Items

- a) International conference (ICEPE) conducted by Electrical Engineering Department during 1-2 June 2018:**

2nd International Conference on Energy, Power & Environment (ICEPE- 2018) was organized by Department of Electrical Engineering during **1st & 2nd June 2018**. The event was sponsored by IEEE Kolkata section, IEEE IAS, NEEPCO Ltd, North-Eastern Council (NEC) etc.,. Eminent personalities like Prof. Bikash Pal from Imperial College of London, Prof. Gopa Kumar from IISc Bangalore, Mr. S. K Soone of POSOCO, Mr. S. P Gon Choudhury member in the energy expert committee of Govt. of India delivered key note speeches. About 150 participants from across the country presented their research articles during the event. Prof. Chandan Chakrabarty of IIT Kharagpur & Dr. A. K Rathore of Concordia University, Canada were the General Chair & General Co- Chairs respectively.

b) A 2-day Workshop on A Workshop on Outcome based Accreditation: Challenges and Opportunities for faculties and Trainee Teachers of NIT Meghalaya during 22-23 Sep 2018:

“A Workshop on Outcome Based Accreditation (OBE): Challenges and Opportunities” was organized for faculties and trainee teachers with the financial support of TEQIP-3. Distinguished Experts Prof N.C Sivaprakash, IISC Bangalore and Prof. V. Bandal, COE, Pune delivered lectures over two days. All the faculties and trainee teachers actively participated in this event.

c) 5th Convocation held on 6th Oct, 2018:

The 5th Convocation of the Institute was held on 6th of Oct, 2018. Shri. Lahkmen Rymbui, Minister of Education Department, Border Areas Development Department and Forests & Environment Department, Govt. of Meghalaya, graced the occasion as the Chief Guest of the Convocation. Prof. Gautam Biswas, Director of IIT Guwahati, was the Chairman of the Convocation. Degrees were conferred to 129 B.Tech students, 57 M.Tech students, 30 M.Sc students and 5 Ph.D scholars at the convocation. The prestigious President’s Gold Medal for the year 2018 was awarded to Ms. Ankita Nandi (Department of Electronics and Communication Engineering), while nine other students from various departments were awarded with the Institute Gold Medals (photos enclosed).

d) A 2-day Workshop conducted by Computer Science Department on Data Science: Industry and Research Perspectives” during 29 October 2018 -2nd November 2018.

The Department of Computer Science & Engineering organized a five day workshop on “Data Science: Industry and Research Perspectives” from 29th October to 2nd November 2018 at New Computer Centre, NIT Meghalaya. It was sponsored by TEQIP-3 and National Mission on Himalayan Studies (NMHS), Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India. 53 participants attended this workshop. Eight experts from academia like Prof. K. K. Shukla, IIT BHU, Dr. V. Vijaya Saradhi, IIT Guwahati and Dr. Anupama Ray, Dr. Chandresh Kumar Maurya from IBM India Research Labs, Bangalore industry and other experts delivered talks and conducted technical discussions.

e) International conference (IC-RIDME) conducted by Mechanical Engineering department during 8-10 November 2018.

Department of Mechanical Engineering NIT Meghalaya organized, International Conference on Recent Innovations and Developments in Mechanical Engineering (IC-RIDME 2018) during 8th to 10th November 2018 at state convention centre, Pinewood Hotel, Shillong. Total 386 numbers of papers were received through ‘Easy chair’. Amongst them, 218 papers were accepted based on the peer review (at least two reviewers for each paper). Total 181 (oral 111 and poster 70) papers

were registered for the conference of which 176 (oral 109 and poster 67) papers were presented during the conference. To organize this conference, financial supports were received from NEC, DST-SERB, NEEPCO, Embasys Technology, Mavrick Technology, TEQIP-III NIT Meghalaya, RITES, Redington, Testo, Finite Technology, NIT Arunachal, TOCIC and IIT Guwahati. Paper presented in the conference will be published in any one of the Journal IEI Part C, Springer, JSIR or Springer book volume. Three keynote and five invited lecture was delivered in the conference by the resource persons, corresponding details given in the table below:

Detailed of Resource Persons

SL	Name	Designation	Topic of talk
Keynote Speakers			
1.	Prof. Anil D. Sahasrabudhe	Chairman, AICTE, India	Challenges and Opportunities for the Faculty and Students of Engineering
2.	Prof. Gautam Biswas	Director, IIT Guwahati, India	Influence of Reduced Gravity, Superheat and Electric Forces on Bubble Formation in Film Boiling
3.	Prof. S. Gopalakrishnan	IISC, Professor, India	Recent Advances in Structural Health Monitoring Research
Invited Talks			
4.	Prof. P. S. Robi	IIT Guwahati, Professor, India	Design and Processing of High Entropy Alloy Powders by Mechanical Alloying
5.	Prof. Pinakeswar Mahanta	IIT Guwahati, Professor, India	Co-Gasification of Biomass with Coal Blends in Fluidized Bed Gasifier
6.	Dr. Sandip K. Saha	IIT Bombay, India	Development of Latent Heat Thermal Energy Storage with Encapsulated PCMs for ORC Based Solar Thermal Plant
7.	Dr. C. Damodara Reddy	Scientist, Institute of High Performance Computing, Singapore	Design of High Specific Strength Nanostructures
8.	Dr. Uddhab K. Bharali	Inventor, India	Innovation for the Common and Differently Able Person

R10/SENATE-XVI/18: *The Senate **Noted** the reporting items with appreciation and suggested to include the details of upcoming events for the next three months from next meeting onwards.*

Item No.11: Items for Ratification

a) Amendments in Academic Calendar 2018-19

Few amendments were proposed in the existing Academic Calendar 2018-19.

AUTUMN SEMESTER (July-December, 2018)

1	UG, PG & PhD Admission	July 23-27, 2018
2	Course Registration	July 30-31, 2018
3	Commencement of Classes	Aug 1, 2018
4	Registration with Fine	Aug 1-8, 2018
5	Last Date of Registration	Aug 8, 2018

6	Last Date for Change in Course Registration (Elective course)	August 16, 2018
7	Mid Term Examinations	September 24-Oct 02, 2018
8	Annual Technical Festival (Cognitia)	October 12-13, 2018
9	Last Day of Classes	November 16, 2018
10	Laboratory Examinations (for old batches)	November 19- 22, 2018
11	End Term Examinations	November 26-Dec 04, 2018
12	Pre-Registration Counselling	December 03-04, 2018
13	Display of Grades	December 07-10, 2018
14	Declaration of Results	December 17, 2018
15	Winter Break (for UG students)	December 08- January 23, 2019

SPRING SEMESTER (January-June, 2019)

1	Registration	January 24-25, 2019
2	Commencement of Classes	January 28, 2019
3	Registration with Fine	January 28-Feb 1, 2019
4	Last Date of Registration	February 1, 2019
5	Last Date for Change in Course Registration	February 11, 2019
6	Ph. D Comprehensive Examination	February 6, 2019
7	Ph.D Comprehensive Exam Result Submission	February 11, 2019
8	Completion of Registration Seminar for all eligible Ph.D scholars	April 30, 2019
9	Institute Cultural Festival (Shishir)	February 22-23, 2019
10	Mid Term Examinations	March 18-25, 2019
11	Display of Mid Term Exam Marks	March 29, 2019
12	Institute Day	April 01, 2019
13	Last day of Classes	April 30, 2019
14	Laboratory Examinations (for old batches)	May 1-3, 2019
15	Display of Internal Marks	May 1-3, 2019
16	End Term Examinations	May 6-15, 2019
17	Grade Submission by the Department	May 15-18, 2019
18	Result Analysis by UG-PEC and PG-PEC	May 20-21, 2019
19	Declaration of Results	May 22, 2019
20	Summer Break/Internship Programme (UG students)	May 20- July 27, 2019

SUMMER TERM (June-July, 2019) & SUPPLEMENTARY EXAM FOR 7th & 8th SEM COURSES

1	Registration for Summer Term & Supplementary Exam (7 th and 8 th Sem courses)	May 23-24, 2019
2	Commencement of Classes for Summer Term	May 31, 2019
3	Commencement of Mid Term Exams for Summer Term	June 20, 2019
4	Commencement of End Term Exams for Summer Term & Supplementary	July 18-23, 2019
5	Display of Grades	July 26, 2019
6	Declaration of Results.	July 30, 2019

R11(a)/SENATE-XVI/18: The Senate **Resolved to Approve** the amendments in the Academic Calendar 2018-19. The Senate also recommended that the Display of Marks should be only for internal assessment and Mid-term and not the end-term grades.

b) Special Exam Results

The Special Exams were conducted in Aug 2018 with a move to eliminate Supplementary examinations as approved in the XIVth Senate Meeting. Placed under is the analysis of the Special Exam. 100 UG and 17 PG students appeared the exam.

Special Exam 2018 CGPA	UG Result summary																				
	B2_CE	B2_CS	B2_EC	B2_EE	B2_ME	B4_CE	B4_CS	B4_EC	B4_EE	B4_ME	B6_CE	B6_CS	B6_EC	B6_EE	B6_ME	B8_CE	B8_CS	B8_EC	B8_ME	B10_CE	B10_EE
Above 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-to-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-to-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6-to-7	0	3	1	2	2	0	1	1	0	0	0	1	0	3	0	0	0	0	0	0	0
5-to-6	6	4	7	5	3	4	3	1	3	5	5	3	3	7	3	3	1	3	2	1	2
below 5	0	0	0	0	0	0	0	0	0	0	0	2	3	3	0	1	2	1	0	0	0
backlog	1	5	5	2	1	2	3	0	2	1	3	3	2	1	1	3	3	1	0	0	1

Special Exam 2018 CGPA	PG Result summary				
	M.Tech		M.Sc		
	2nd_ME	4th_CS	CY_2nd	MA_2nd	PH_2nd
Above 9	0	0	0	0	0
8-to-9	0	0	0	0	0
7-to-8	3	1	0	0	1
6-to-7	0	0	0	0	3
5-to-6	0	0	1	0	4
below 5	0	0	0	3	1
backlog	0	0	0	3	6

R11(b)/SENATE-XVI/18: The Senate **Noted** the Special Exam Results as presented.

Item No.12: Other Items

As there were no other matters to discuss, the meeting concluded with thanks to and from the chair.