NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA

Minutes of Second Meeting of the Senate held on 20.07. 2013

The Second meeting of the Senate of NIT Meghalaya was held on 20th July, 2013 at 06.00 p.m. at Hotel Landmark, Nongrim Hills, Laitumkhrah, Shillong-793003 and the following members were present:

1.	Professor D. K. Saikia, Director, NIT Meghalaya	- Chairman
2.	Professor S. S. Khare, Dept. of Mathematics, NEHU, Shillong	- Member
3.	Professor B. P. Sinha, ACM Unit, ISI Kolkata	- Member
4.	Professor D. Chakraborty, Dean (R&D), IIT Guwahati	- Member
5.	Professor S. M. Hazarika, CSE, Tezpur University	- Member
6.	Dr. G. Panda, Head, EEE, NIT Meghalaya	- Spl. Invitee
7.	Dr. A. Dandapat, Head, ECE, NIT Meghalaya	- Spl. Invitee
8.	Dr. S. Maity, Asst. Professor, Mechanical	- Spl. Invitee
9.	Dr. P. N. Chatterjee, Asst. Professor, Chemistry	- Spl. Invitee
10.	Mr. T. Subedi, Asst. Professor, Mathematics	- Spl. Invitee
11.	Mr. P. Saha, Asst. Professor, ECE	- Spl. Invitee
12.	Mr. A. Dev Sarma, Asst. Professor, Management	- Spl. Invitee
13.	Mr. S. Debbarma, Asst. Professor, EEE	- Spl. Invitee
14.	Mr. D. J. Goswami, Registrar i/c	- Secretary

Another member of the Committee, Dr. (Mrs.) Helen Giri could not attend the meeting due to personal reasons.

At the outset the Chairman welcomed the members to the Second meeting of the Senate and introduced them to the faculty members present and vice versa. The agenda of the meeting was then taken up.

Item No. 1

Confirmation of the minutes of the First meeting of the Senate of NIT Meghalaya held on 09.02.2013.

The minutes of the First meeting of the Senate which was held on 09.02.2013 at the Seminar Hall of NIT Meghalaya was confirmed at the beginning of the meeting. The minutes of the meeting was circulated among the members of the Senate for comments/observations. One suggestion was received from Prof. D. Chakraborty that in the Guidelines to the Operation of Sponsored Research Projects and Consultancy Projects should go as a Recommendation to the Board of Governors for Approval. The change was made accordingly.

R1/SENATE/2/13: The Senate resolved to approve the minutes with the change made.

Item No. 2

Follow up action on the decisions made in the First Meeting of the Senate

The follow up actions on the resolutions made in the First meeting were reported before the Senate. The members expressed their satisfaction on the action taken.

R2/SENATE/2/13: The Senate noted the action taken on the resolutions taken in the first meeting.

Item No. 3

Detailed Curriculum of the B. Tech. programme

A draft Curriculum for the B. Tech programme with the following components prepared as per the structure approved in the 1st meeting of the Senate was presented:
1. First Year curriculum common to all the disciplines,
2. Complete curriculum for the three disciplines of Computer Sc. & Engineering, Electronics & Communication Engineering and Electrical & Electronics Engineering,
3. Syllabi of the courses required in the coming semester.

It was proposed that the curriculum be applicable as follows:
1. In entirety to the batch of students being admitted in 2013-14,
2. Courses numbered 200 level and above applicable for the students admitted in 2012-13 with a requirement of minimum 116 credits in addition to the courses required to be completed in the 1st year as per the earlier curriculum.

The members had a thorough discussion on the draft and decided to approve it with the following modifications:
1. The content of the syllabus of each course should be divided topic wise.

2. The number of class hours need not be shown against each the topics.

3. A suggested list of experiments should be given for courses having Practical component.

4. In the list of books recommended the Edition should be removed. Instead the teachers should be advised normally to use the latest editions.

5. The course no. HS 301 and HS 302 should be named as *Foundations of Management* and *Accounting & Financial Methods.*

6. In Course no. HS 401, two numbers of text books were suggested:

    a. Mike, Martin and Roland Schinzinger, Ethics in Engineering, Tata Mc Graw Hill, New York.
    b. Charles E Harris, Michael S. Pritchard & Michael J Robins, Engineering Ethics-Concepts & Cases, Thompson Learning.

R3/SENATE/2/13: The Senate resolved to approve the proposed curriculum with the changes as suggested by the members.

Item No. 4

Curriculum for B. Tech 4th Year ECE and EEE

The 4th year curriculum for the 4th year of B. Tech programme in ECE and EEE had not been framed at the Mentor Institute. A draft for the same was presented, to be applicable as follows:

1. for the two batches of EEE admitted in 2010-11 and 2011-12.

2. For the batch of ECE admitted in 2010-11.

The members suggested the following modifications in the proposed draft:

1. In the Seventh Semester ECE, the course MEMS should be replaced with VLSI design as Elective I.
2. The course *Fundamentals of Finance & Accounting* should be renamed as *Accounting & Financial Methods.*
3. In the Semester VIII of ECE, the list of courses for Elective-II will include Artificial Intelligence.
4. In the EEE Curriculum the courses *Renewable Energy Systems* and *Digital Signal processing* should be shifted to the Eighth Semester. In the Eighth Semester the course *Artificial Neural Network* should be included in the list for Elective-II.

R4/SENATE/2/13: The Senate resolved to approve the proposed curriculum with the suggested modifications.

Item No. 5

Curriculum for B. Tech 3rd & 4th Year ECE for the batch admitted in 2011-12

To incorporate necessary Management Courses the ECE department has proposed a curriculum for the 3rd year & 4th year for the batch admitted in 2011-12. The members suggested the following modifications in the proposed draft:

1. In the Seventh Semester ECE, the course MEMS should be replaced with VLSI design as Elective I.
2. The course *Fundamentals of Finance & Accounting* should be renamed as *Accounting & Financial Methods.*
3. In the Semester VIII of ECE, the list of courses for Elective-II will include *Artificial Intelligence*.
4. In the course EC 411 *VLSI Design*, the prerequisites component should be replaced with an appropriate course no.

R5/SENATE/2/13: The Senate resolved to approve the proposed curriculum with the suggested modifications.

Item No. 6

Courses for the Ph. D Programme

The syllabi for a set of courses for the Ph. D. programme in the disciplines of Computer Sc. & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Civil Engineering were placed before be Senate for its approval. The Senate decided to approve the courses with the following modifications:

1. The courses listed need not be restricted to individual disciplines and be made available to Ph. D. candidates of any discipline as per requirement for his/ her area of work.

2. A course on Computational technique be included with appropriate list of topics.

3. The book *A Researcher's Bible by Allen Bandy* be included in the list of books for the course-*Research Methodology.*

R6/SENATE/2/13: The Senate approved the courses for the Ph. D. programme with the suggested modifications.

Item No. 7

Recognition of Ph. D. Supervisors

The following faculty members of the Institute had applied for recognition as Ph. D Supervisors for the Ph. D course to be started in the Institute:

1. Prof. D. K. Saikia, Professor, Computer Sc. & Engineering
2. Dr. Gayadhar Panda, Assoc. Professor, Electrical & Electronics Engineering
3. Dr. Anup Dandapat, Asst. Professor, Electronics & Communication Engineering
4. Dr. C. Marthong, Asst. Professor, Civil Engineering
5. Dr. Subhendu Maity, Asst. Professor, Mechanical Engineering
6. Dr. Paonam Sudeep Mangang, Humanities & Social Sciences (English)

The Senate was requested to consider approving recognition of the above faculty members as Ph. D. Supervisors as a Research Committee remains to be constituted. The Senate considered the proposal and decided to approve the listed faculty members as recognized Ph. D. Supervisors of the Institute. The Senate advised the following:

1. A Research Committee be constituted with a couple of members from reputed institutions in the region.
2. Recognition of the Ph. D. Supervisors be done by the Director as per the regulations of the Ph. D. programme and the same be reported for ratification.

R7/SENATE/2/13: *The Senate resolved to approve recognition of the listed faculty members as   Ph. D. Supervisors of the Institute.*

Item No. 8

Proposal for Ph. D. Work of Mr. Amal Dev Sarma, Asst. Professor, Management Sc.

Mr. Amal Dev Sarma, Asst. Professor in Management Sc. has asked for permission to carry out his Ph. D work in the Institute. As the Institute does not have any faculty member in Management Sc. to supervise his work. Mr. Dev Sarma approached Dr. B. Roychoudhury, Associate Professor, RGIIM Shillong to supervise his work in the proposed area of Data Analytics. Dr. Roychoudhury who has the expertise in the area has expressed his willingness to supervise the work and also has the consent of RGIIM authorities for the purpose. The Ph. D. Regulations of NIT Meghalaya provides for recognition of experts from Institutes of Repute as Ph. D. Supervisors. The Senate was therefore requested to consider recognizing Dr. Roychoudhury as a Ph. D. supervisor in Management Sc. in the Institute and allowing Mr. Amal Dev Sarma to carryout Ph. D. under his supervision.

The Senate after discussions decided to recognise Dr. B. Roychoudhury as the Ph. D supervisor in Management Sc. in the Institute and to allow of Mr. Amal Dev Sarma to carryout his Ph. D. work under the supervision of Dr. Roychoudhury.

R8/SENATE/2/13: *The Senate resolved to approve recognition of Dr. B. Roychoudhury of RGIIM, Shillong as a Ph. D Supervisor in Management Sc. in the Institute and allow of Mr. Amal Dev Sarma to carryout Ph. D. in the Institute under his supervision.*

Item No. 9

Ph. D Programme Fees Structure

The proposed fee structure for the Ph. D programme was put before the Senate for its approval.

R9/SENATE/2/13: The Senate resolved to approve the proposed fee structure for the Ph. D. programme.

Item No. 10

Ratification of decisions made by Director

a. **Swapping of Elective Courses of B. Tech (CSE)**: As proposed by the CSE Department the swapping of the two elective courses- and 'Natural Language Processing' (CO410) and 'Data Mining' (CO 413) has been approved to be offered in the 8th and 7th Semester respectively.

R10/SENATE/2/13: *The Senate resolved to ratify the decision of the Director regarding swapping of the two courses.*

b. **Revised Fee Structure for B. Tech Semester**: As per the Ministry notification (Annex-IX) the Annual Tuition Fees for the B. Tech programmes at all NITs should be Rs. 35,000/-. Accordingly, the Fees Structure for the B. Tech programme has been revised and put before the Senate for approval.

R11/SENATE/2/13: *The Senate resolved to ratify the decision on the fee structure as revised by the Director with the necessary corrections.*

Item No. 11

Request by a 2nd year student to allow Shifting to Civil Engineering in 1st Year

Shri Ebormi Laloo, a student of 2nd year B. Tech (CSE) has applied for his transfer to the Civil Engineering stream. As Civil Engineering is being started only this year he is ready to start in the 1st year. The application of the student was put before the Senate for consideration.

R12/SENATE/2/13: *The Senate after a detailed discussion, resolved not to allow the shifting of the second year student to Civil Engineering in the first year.*

Item No. 12

Reporting items

i. **Reservations in Admissions against State Quota as per State Reservation Policy:**

As per the Act of the Parliament on Reservation in Admissions to Centrally Funded Institutions 2007 (Amended 2012), the admissions against the State Quota seats in the Institutions located in states under the 6th scheduled of the constitution, are to be done as per the state reservation policy (Gazette notified) for admissions. The matter was discussed in the 2nd meeting of the BoG and there was a general agreement that the Institute is to go by the Act once the State Govt. provides the notification. The Govt. of Meghalaya provided the notification to the Institute on 6th of June, which was also the last date for providing the Seat Matrix for admission to the B. Tech Programme to the Central Seat Allocation Board (CSAB-2013). After discussing the matter with the Chairman of BoG, the Director worked out the Seat

Matrix for admission to the B. Tech programme based on the State's reservation policy, which was forwarded to CSAB-2013.

The Senate noted the implementation of reservations in admissions against the State Quota as per State Reservation Policy as provided in the Act of the Parliament on Reservation in Admissions to Centrally Funded Institutions 2007 (Amended 2012).

ii. Introduction of Architecture course

The Chief Minister of Meghalaya, in a letter to the Ministry had requested to establish a School of Planning & Architecture in Meghalaya. In this regard the Ministry has requested to consider starting of a B. Arch programme in Planning & Architecture in NIT Meghalaya vide letter no. F. no. 1-4/2012-TS.VI dated 15th March, 2013.

The matter was placed before the Board of Governors in its meeting held on 29-06-2013. The considered opinion of the Board is as follows:

- The Institute has started the B. Tech programme in two new disciplines this year. As the Institute is functioning from rented temporary accommodation it is at present constrained by lack of suitable space. The Institute may take up the matter if suitable space becomes available.

R13/SENATE/2/13: The Senate resolved to ratify the decision made by the BOG on the matter.

iii. MOU with IIT Guwahati regarding NIT Meghalaya Faculty Ph. D Supervision:

The Senate was informed that The Institute has signed an MOU with the IIT Guwahati regarding supervision of the young faculty members of the Institute by the IIT Guwahati faculties.

The Senate was happy to note the signing of the MOU with IIT Guwahati.

iv. MOU with NIT Silchar:

The Senate was also informed that the Institute had also signed an MOU with the NIT Silchar for the same purpose as above.

The Senate appreciated the signing of the MOU and expressed hope that it will bear fruit.

v. Ph. D admissions:

The Senate noted that the Institute had notified for Ph. D admission into the Institute and received good number of applications for the same. The interview were held on 4th, 5th and 6th July, 2013 and suitable candidates selected for the pursuing Ph. D in the Institute.

The Senate took note of the process carried out and suggested that a written test may be considered as an option for selection of the Ph. D. candidates.

vi. Spring Semester, 2013 Results:

The Senate also noted the results of the Spring semester 2013 of the three batches of the B. Tech programme.

The Senate suggested that a summary of the results be provided course wise in the future.

vii. Summer Term:

The Senate was informed that a Summer Term is being conducted during the Summer Break of two months for the students with backlog to reduce the burden of backlog papers. Ten students have registered for the same and classes have been taken by the concerned faculties.

The Senate showed its appreciation on the effort made by the concerned faculty.

viii. Training Programme Organized for Capacity Building

The Senate was informed that a programme on Training of Masons on Earthquake Resistant Building Construction Technology was organized in the Institute by the Civil Engineering Department in Collaboration with the District Disaster Management Authority with funds received from Meghalaya Basin Development Authority. The programme Coordinated by Dr. C. Marthong, Asst. Professor, Civil Engineering, was organized in two batches of capacity 30 each from 10th to 22nd July.

The Senate expressed its happiness on the initiative taken by Dr. Marthong and hoped that more such initiatives will be taken by the faculty of the Institute.

ix. Recruitment of Faculty:

The Senate was informed that the Institute had invited applications for various faculty positions vide advt. no. NITMEGH/REC/4/2012-13 dated 25.03.2013 and the progress of the process of selection. It was also informed that an approval was taken from the Chairman, Board of Governors, for the Senate Nominees to the Selection Committees, as the list was needed urgently.

The Senate resolved to ratify the decision of the Chairman of the Board of Governors approving the list of Senate Nominees to the Selection Committees.

x. Punishment to Students for Malpractice in Examination.

The Senate was informed that three of the first year B. Tech students listed below, were found to indulge in serious malpractice in the end term examinations of two of the courses.

1. Mr. Aryan Kumar
2. Mr. Aman Kumar
3. Mr. Shivam Kumar Bharti

A Committee constituted by the Director enquired into the matter and recommended that the three students be asked to repeat the first year of the programme. The Director accepted the recommendation

considering that it was necessary to send a strong signal to the students against such malpractice at this very initial stage of the Institute. Further, it was also noted that these three students were the worst performers with backlog of about 40% of the courses in the first year.

The Senate expressed its concern on the malpractice adopted by the students and hoped that the punitive action will act as effective deterrent.

R14/SENATE/2/13: The Senate resolved to ratify the decision of the Direction to punish the students for the wrong deed.