



**OFFICE OF THE REGISTRAR**  
**INDIAN INSTITUTE OF ENGINEERING SCIENCE AND**  
**TECHNOLOGY, SHIBPUR**  
(Formerly BENGAL ENGINEERING AND SCIENCE UNIVERSITY, SHIBPUR)

No. Proceeding/3rd Senate/2015/008

Date: 10/04/2015

Proceedings of the 3<sup>rd</sup> meeting of the Senate held on Wednesday, the 25<sup>th</sup> March, 2015 at 3.30 p.m. in the Alumni Seminar Hall.

The following members were present:-

1. Prof. Ajoy Kumar Ray, Director, IEST, Shibpur, & Chairperson, Senate
2. Prof. Sujoy Kumar Mukherjee, Department of A.E & A M
3. Prof. Salil Halder Department of AE & AM
4. Prof. Koustuv Debnath, Department of AE & AM
5. Prof. Subhasis Bhowmik, Department of AE & AM
6. Prof. Santanu Majumder, Department of AE & A M
7. Prof. Rana Roy, Department of AE & A M
8. Prof. Souvanic Roy, Dept. of Arch. T. & R.P.
9. Prof. Arup Sarkar, Dept. of Arch. T. & R.P
10. Prof. Swati Saha, Dept. of Arch. T. & R.P.
11. Prof. Keya Mitra, Dept. of Arch. T. & R.P.
12. Prof. P. S. Mukhopadhyay, Arch. T. & R.P.
13. Prof. Kalyan Kumar Chattopadhyay, Dept. of Civil Engg.
14. Prof. Kalyan Kumar Bhar, Dept. of Civil Engg.
15. Prof. Subrata Chakraborty, Dept. of Civil Engg.
16. Prof. Sudip Kumar Roy, Dept. of Civil Engg..
17. Prof. Ambarish Ghosh, Dept. of Civil Engg.
18. Prof. Chaitali Ray, Dept. of Civil Engg.
19. Prof. Aparna (Dey) Ghosh. Dept. of Civil Engg.
20. Prof. Debabrata Majumder, Dept. of Civil Engg.
21. Prof. Bibhutoh Adhikary, Dept. of Chemistry
22. Prof. Anup Mondal, Dept. of Chemistry
23. Prof. Shyamal Kumar Chattopadhyay, Dept. of Chemistry
24. Prof. Prasanta Kumar Nandy, Dept. of Chemistry
25. Prof. Binay Krishna Ghorai, Dept. of Chemistry
26. Prof. Ajit Kumar Mahapatra, Dept. of Chemistry
27. Prof. Sudip Kumar Chattopadhyay, Dept. of Chemistry
28. Prof. Amit Kumar Das, Dept. of C.S.& T.
29. Prof. Jaya Sil, Dept. of C.S.&T.
30. Prof. Susanta Chakraborty, Dept. of C.S.&T.
31. Prof. Sipra Das (Bit), Dept. of C.S.&T.
32. Prof. Sulata Mitra, Dept. of C. S. & T.
33. Prof. Gautam Bandyopadhyay, Dept. of Elec. Engg.
34. Prof. Biswarup Basak, Dept. of Elec. Engg.
35. Prof. Debasis Sarkar, Dept. of Elec. Engg.
36. Prof. Ashoke Sutradhar Dept. of Elec. Engg.
37. Prof. Jagadish Pal, Dept. of Elec. Engg.
38. Prof. Prasad Syam, Dept. of Elec. Engg.
39. Prof. Debabrata Roy, Dept. of Elec. Engg.
40. Prof. Aparajita Sengupta, Dept. of Elec. Engg.
41. Prof. Mainak Sengupta, Dept. of Elec. Engg.
42. Prof. Baidya Nath Ray, Dept. of E & T.C.

43. Prof. Santanu Das, Dept. of E. & T. C.
44. Prof. Madhumati Dutta, Dept. of Humanities & Social Sc.
45. Prof. Mallika Ghosh Sarbadhikary, Dept. of Humanities & Social Sc.
46. Prof. Manas Kumar Sanyal, Dept. of Human Resource Management
47. Prof. Hafizur Rahaman, Dept. of Information Technology
48. Prof. Santi Prasad Maity, Dept. of Information Technology
49. Prof. Basudeb Mukhopadhyay, Dept. of Mathematics
50. Prof. Jagabandhu De, Dept. of Mathematics
51. Prof. Binayak Samaddar Choudhury, Dept. of Mathematics
52. Prof. Tapan Kumar Roy, Dept. of Mathematics
53. Prof. Tapan Kumar Kar, Dept. of Mathematics
54. Prof. Parbati Saha, Dept. of Mathematics
55. Prof. Sisir Kumar Guha, Dept. of Mech. Engg.
56. Prof. Santanu Kumar Karmakar, Dept. of Mech. Engg.
57. Prof. Sujoy Kumar Saha, Dept. of Mech. Engg.
58. Prof. Bijan Kumar Mandal, Dept. of Mech. Engg.
59. Prof. Shyamal Chatterjee, Dept. of Mech. Engg.
60. Prof. Amitabha Basu Mallick, Dept. of Met. & Matls. Engg..
61. Prof. Swarup Kumar Ghosh, Dept. of Met. & Matls. Engg.
62. Prof. Prabir Kumar Paul, Dept. of Min. Engg.
63. Prof. Netai Chandra Dey, Dept. of Min. Engg.
64. Prof. Indra Nath Sinha, Dept. of Min. Engg.
65. Prof. Pratik Dutta, Dept. of Min. Engg.
66. Prof. Suranjan Sinha, Dept. of Min. Engg.
67. Prof. Dipali Banerjee, Dept. of Physics
68. Prof. Bichitra Kumar Guha, Dept. of Physics
69. Prof. Mousumi Basu, Dept. of Physics
70. Prof. Nil Ratan Bandyopadhyay, School of Material Science and Engineering
71. Prof. Sanjay Sadhukhan, Associate Professor & Head, Dept. of Met. & Matls. Engg., Spl. Invitee
72. Prof. Sampad Mukherjee, Associate Professor & Head, Dept. of Physics, Spl. Invitee
73. Prof. Arindam Biswas, Associate Professor & Head, Depart. of Information Technology. Spl. Invitee
74. Dr. Biman Bandyopadhyay, Registrar, IEST, Shibpur & Secretary, Senate

**The leave of absence was granted in favour of the following members:-**

1. Prof. Aditya Bandyopadhyay, Dept. of Arch. T. & R.P.
2. Prof. Anirban Gupta, Dept. of Civil Engg.
3. Prof. Uma Bhattacharya, Dept. of C.S.&T.
4. Prof. Biplab Kumar Sikdar, Dept. of C.S.&T.
5. Prof. B. P. Mukhopadhyay, Dept. of Earth Sciences
6. Prof. Avijit Chakraborty, Dept. of Elec. Engg.,
7. Prof. Chandan Kumar Chanda, Dept. of Elec. Engg
8. Prof. Abdur Rouf, Dept. of Elec. Engg.
9. Prof. Konika Das (Bhattacharya), Dept. of Elec. Engg..
10. Prof. Monojit Mitra, Dept. of E & T.C.
11. Prof. Guruprasad Samanta, Dept. of Mathematics
12. Prof. Murari Mitra, Dept. of Mathematics
13. Prof. Sanat Kumar Majumder, Dept of Mathematics
14. Prof. Asoke Kumar Dhar, Dept. of Mathematics
15. Prof. Debasis Datta, Dept. of Mech. Engg.
16. Prof. Apurba Kishore Dutta, Dept. of Mech. Engg
17. Prof. Somnath Chakraborty, Dept. of Mech. Engg.
18. Prof. Subrata Chatterjee, Dept. of Met. & Matls. Engg.
19. Prof. Sukhendu Sekhar Sarkar, Dept. of Physics



At the outset, the Chairman welcomed the members and placed the agenda before the members of the Senate.

**Agenda Item No. 03.01:** To confirm the proceedings of the 1<sup>st</sup> Meeting of the Senate held on 28.01.2015 and 18.02.2015.

**Resolution No.03.01**

The Senate confirmed the proceedings of the 1<sup>st</sup> meeting of the Senate held on 28.01.2015 and 18.02.2015 with the following modification:

On the 2<sup>nd</sup> and 3<sup>rd</sup> pages the sentence 'Following members were absent:' was replaced by 'Leave of absence was granted to the following members who could not attend the meeting:'

**Matter Arising out of the proceedings of the 1<sup>st</sup> meeting of the Senate:**

The senate further discussed on the resolution on item No.1/1 and resolved the following:

1. The number of Senate Standing Committees will be six instead of seven as proposed earlier. The modified names of senate committees would be as follows:

- i) Senate Undergraduate and Dual Degree Program Evaluation and Review Committee
- ii) Senate Postgraduate Program Evaluation and Review Committee
- iii) Senate Research Evaluation and Review Committee
- iv) Senate Committee for Training
- v) Senate Disciplinary Committee for the students, and
- vi) Senate Committee on Convocation

2. On the Resolution on Misc Agenda 8.2 following were resolved:

A committee with the Dean (Academic) as Chairman, two Associate Deans (Academic), Dean (R&D), Associate Dean (R&D) and all HODs/Directors of Schools or their representatives as members will finalise the issue of granting Institute Fellowships from MHRD fund for the following categories of PhD students:

- a) Students who are pursuing PhD work and whose scholarships from TEQIP or other sponsored projects have been terminated/ discontinued,
- b) Students who are already enrolled for PhD in the last academic session, but whose scholarships have not yet been finalised by the Institute authority
- c) Students who are yet to be enrolled as per the application received by the institute based on last advertisement for enrolment of PhD program for the 1<sup>st</sup> Cycle in the academic session 2015 -16.

Further resolved that on the recommendation of the committee number of scholarships and their terms and conditions for category (b) and (c) will be finalised by the Director considering the financial position of the institute.

The Senate also resolved that for PhD students under category (a) GATE/NET qualification will not be mandatory. Category (a) PhD students will apply afresh to the Director, IEST, Shibpur for Institute Fellowship through the concerned Head and the ex-officio Convener, Doctoral Committees of the concerned department giving details of existing scholarships, their status and progress of work. Selection of such candidates of a department for institute fellowship and its tenure will be decided solely on recommendation of the Doctoral Committee. In no case the tenure for such scholarship should be more than two years. If in the process, any of the existing scholarship is extended by TEQIP or other funding agencies, the selected candidate will continue with his/her old scholarship till its termination. The department will send the recommended merit list of selected candidates to the Director for final grant of scholarship that will come into effect from the date of termination old scholarships, if any.

3. On the request of HOD, Humanities and Social Sciences the resolution taken on Misc Agenda 8.3 was further reviewed and resolved the following:

Director and chairman of the Senate endorsed the views of the members to relax PhD regulation for the cases of internal faculty members. Thus the appeal made by Prof. Subhasis Bandyopadhyay, Assistant Professor, Humanities and Social Sciences was approved and delay in submission and presentation of proposal for pre-registration (Doctoral program) was condoned.

**Agenda Item No. 03.02:** To confirm the proceeding of the 2<sup>nd</sup> Meeting of the Senate held on 24.02.2015

**Resolution 03.02.01:**

The proceedings of the 2<sup>nd</sup> meeting of the Senate were confirmed.

**Agenda Item No. 03.03:** To finalize the Course Structure for 5 year Dual Degree (B.Tech-M.Tech) programme and related issues.

**Resolution 03.03.01**

At the request of the Chairperson members took part in discussion related to course structure for 5 year Dual Degree (B.Tech-M.Tech) programme. The following were observed:

1. Prof. I.N. Sinha opined that both the course structures proposed by Prof. Kalyan Bhar committee and Prof. Asoke Mallik committee are almost same. Prof. Kalyan Bhar elaborately explained the course structure for 5 year integrated dual degree course.



2. Prof. Pratik Dutta, HOD Mining Engg. requested for keeping an exit route after eighth semester for Mining Engineering students in view of the career prospect of the student and 5 year dual degree program should be designed accordingly.
3. Prof. Amit Das, Dean (Academic) generally opined that 5 year integrated dual degree courses with exit route to be opted after 6<sup>th</sup> Semester, should be considered. Thus, less meritorious student may also be excluded from dual degree course after completing their 4 year courses with B.Tech Degree.
4. Prof. Aparajita Sengupta of Electrical Engineering Department, however opined in favor of continuing only with 5 year integrated dual degree course in view of the constrain in infrastructure, faculty strength etc. This view was endorsed by Prof. Mainak Sengupta, Prof. Goutam Bandyopadhyay, Prof. Prasad Syam and Prof. Biswarup Basak of Electrical Engineering Department.
5. Prof. Prasad Syam further pointed out that modalities for accommodating the existing two years master degree program in engineering in the proposed structure should be discussed.
6. Prof. Kalyan Kumar Bhar, Prof. Subrata Chakraborty, Prof. Prabir Kumar Paul, and Prof. Aparna Dey (Ghosh) opined in favour of an exit route generally for all students after 8<sup>th</sup> semester.
7. Prof. B. N. Roy emphasized that while formulating the new course structure the need of the industries should be given due consideration.
8. Prof. Manas Sanyal suggested that while framing the detail of such course structure suggestions of the recently passed out students which have already been compiled through TEQIP sponsored project titled ' Tracers' Study' may also be considered.

Finally, Senate resolves that a committee be constituted with Dean (Academic) as Chairman and two Associate Deans (Academic), Prof. Kalyan Kumar Bhar, HODs of all Engineering, Science and Humanities and Social Sciences including experts in the respective fields, for finalization of the course structure with due cognizance of all view points.

**Agenda Item No. 03.04:** To discuss on admission of students to 5 year Dual Degree (B.Tech - M.Tech)/PG and Ph.D Programme (2<sup>nd</sup> Cycle) in 2015-16 Session and related issues

**Resolution No. 03.04.01:**

Chairperson informed the Senate that the decision for reservation of 50% state quota has not yet been finalized by MHRD, GoI and is expected shortly. Dean (Academic) suggested that before

finalization of this year's admission process to the 5 year dual degree program a decision has to be taken by the Senate regarding exist route. In this regard Chairperson pointed out that the IEST was formed with the mandate for only 5 Years Integrated Dual Degree Courses instead of four year B. Tech courses. He also pointed out that in the 1<sup>st</sup> BOG meeting this has been discussed by the members of the BOG and BOG decided that the Institute should organize brain storming sessions with senior professors of IITs, IISc, IISER's and the industry for framing the academic structure, syllabus and future vision of IEST. Members discussed on the topic and observed as follows:

1. Prof. Santanu Karmakar, Professor of the Department of Mech. Engg. pointed out that the recommendation of Anandakrishnan Committee for formation of IEST need to be followed properly. It would be very difficult to pursue such integrated program without the recommended student teacher ratio of 1: 8 and establishment of academic infrastructure through proper funding from MHRD, as per the recommended infrastructure by Anandakrishnan Committee
2. Prof. Aparajita Sengupta of Electrical Engineering Department pointed out that they have recently made an exercise to ascertain the teaching and infrastructure load in their department with consideration of present four year course, 5 year dual degree course with an option of exit route and present ME/MTech Program. They found that it is almost impossible to run these three programs simultaneously with present academic infrastructure and faculty strength.
3. Prof. Goutam Bandyopadhyay, Prof. Mainak Sengupta, Prof Prasad Syam and Prof. Biswarup Basak of Electrical Engineering Department also pointed out this issue and categorically emphasized that before taking any decision on admission this matter should be properly addressed.
4. Prof. Kalyan Kumar Bhar, Prof. Subrata Chakroborty and Prof. Aparna Dey (Ghosh) emphasized that if there is any exit route in the 5 year B Tech-M Tech program then that should be after completion of 8<sup>th</sup> semester and this facility should be extended not only to the poorer students who will not able to complete the 10 semester course, but also to the student who will be interested to opt for an B Tech degree only. They also pointed out that exit policy should be finalized before commencement of the next academic session and 5 year course structure should be designed accordingly.
5. Prof. Prasad Syam pointed out that since the institute has already started the 5 year dual degree program without any exit route from the academic session 2014-15 and from the study made by their faculty members it has been seen that parallel running of the 5 year dual degree program with exit route and ME/MTech program would create huge pressure on the existing laboratories and infrastructure as well as would increase the teaching load. Institute may resolve this matter before taking any decision.



6. Prof. Pratik Dutta, Prof. Prabir Kumar Paul and Prof. Indra Nath Sinha pointed out that for mining students 5 year dual degree program may not have any advantage over the B. Tech degree and thus may led to a disaster. They demanded review of the issue in proper perspective.
7. Dr. Biman Bandyopadhyay, Registrar opined that since enhancing the faculty strength, augmenting the infrastructure and arranging scholarship etc, are all likely to take some time, introducing an exit route for the time being as a transitory provision would be prudent and issues may be reviewed subsequently to take further decision on the same.

The Senate Finally resolved to recommend that admission to 2015-16 session through JEE (Main) for 5 year dual degree courses and 5 year B. Arch course with the option for exit route after successful completion of 8th semester as a transitory measure. Further resolved that the Chairperson of Senate will send such recommendation to Chairperson, BOG for his approval. If approved by the Chairperson, the matter will be placed before the BOG for ratification.

An Admission Committee was resolved to be constituted with the following members:

- |       |   |   |                            |
|-------|---|---|----------------------------|
| i)    | Dean (Academic)   | - | Chairman                   |
| ii)   | Associate Dean  | - | Member                     |
| iii)  | Registrar   | - | Member                     |
| iv)   | Dean( Student Affairs)  | - | Member                     |
| v)    | Controller of Examinations  | - | Member                     |
| vi)   | Prof. S. Mondal,<br>Associate Professor CST,                            | - | Member (Technical Support) |
| vii)  | Heads' of Deptt./School/Centre<br>(UG/PG/PhD admission being concerned) | - | Member                     |
| viii) | Prof. I.N. Sinha<br>Professor, Mining Engineering                       | - | Convenor                   |

Committee will finalize the Admission Brochure for UG/PG/PhD which would include Seat Matrix, Hostel Accommodation of the students, Mess fees, tuition fees, Students code of conduct, Scholarship and other related issue. The committee will place the draft admission brochure in the next Senate meeting for approval.

Regarding enrolment to the Ph. D program for 2<sup>nd</sup> Cycle for the Academic Session 2015-16, Senate resolved that before further enrolment of PhD students, new Regulation for the Ph.D program be finalized by the senate. It was resolved that the new regulation which has been placed in the Executive Council for approval be placed in the next meeting of the Senate for

consideration. Till then, new enrolment of PhD students for the session July15 to Dec.15 be kept in abeyance. However existing project fellows will be allowed to enroll their names as per the existing PhD rule.

**Agenda Item No. 03.05:** To consider the formulation and responsibilities of the following Standing Senate Committees for effective discharge of the functions of the Senate as resolved in the 1<sup>st</sup> meeting of the Senate:-

- i) Senate Undergraduate Committee
- ii) Senate Postgraduate Committee
- iii) Senate Research Committee
- iv) Senate Disciplinary Committee for the Students
- v) Senate Committee for Training and Placement
- vi) Senate Committee for Website and Newsletter
- vii) Senate Committee on Convocation

**Resolution No. 03.05:01**

The senate has already renamed these committees in Item No.3.01 (Resolution No. 03.01.01.)

The Senate resolved that Dean (Academic) will prepare a detail note regarding composition and terms of reference of these six Standing Senate Committees in consultation with all the Heads/Directors of Schools/ Heads of Centres or their representatives and a comprehensive report will be placed in the next meeting of the Senate for a decision.

**Agenda Item No.03.M1:** To consider the Revised Proposal for Interdisciplinary Centre for Science Technology and Culture under aegis of Department of Humanities & Social Science.

**Resolution 03.05:**

The Senate resolved that this agenda will be discussed in next meeting of the Senate

Since there was no other matter for discussion the meeting ended with vote of thanks to the Chair.

  
(Dr. Biman Bandyopadhyay)  
Registrar & Secretary to the Senate

Circulated to all members of the Senate for their perusal and suggestion for amendment, if any. This proceeding along with amendments, if any, received from the members will be placed before the next meeting of the senate for confirmation.