

**Proceedings of the 22<sup>nd</sup> meeting of the Senate held on July 8<sup>th</sup>, 2019 at 11 a.m. and its adjourned session held on July 10<sup>th</sup>, 2019 and July 11<sup>th</sup> 2019 at the Alumni Seminar Hall of the Institute**

The 22<sup>nd</sup> meeting of the Senate was held in the Alumni Seminar Hall of the Institute on Monday, the 8th July 2019 at 11 a.m. The following members and invitees participated.

Chairman, Senate

- |  |          |
|--|----------|
| 1. Prof. Parthasarathi Chakrabarti, Director | Chairman |
|--|----------|

Department of Aerospace Engineering and Applied Mechanics

- |                                |        |
|--------------------------------|--------|
| 2. Prof. Koustuv Debnath       | Member |
| 3. Prof. Santanu Majumder      | Member |
| 4. Prof. Sujay Kumar Mukherjea | Member |

Department of Architecture Town and Regional Planning

- |                                      |        |
|--------------------------------------|--------|
| 5. Prof. Aditya Bandyopadhyay        | Member |
| 6. Prof. Swati Saha                  | Member |
| 7. Prof. Partha Sarathi Mukhopadhyay | Member |

Department of Civil Engineering

- |                                    |        |
|------------------------------------|--------|
| 8. Prof. Aparna (Dey) Ghosh        | Member |
| 9. Prof. Ambarish Ghosh            | Member |
| 10. Prof. Anirban Gupta            | Member |
| 11. Prof. Chaitali Ray             | Member |
| 12. Prof. Debabrata Mazumder       | Member |
| 13. Prof. Kalyan Kr. Chattopadhyay | Member |
| 14. Prof. Kalyan Kumar Bhar        | Member |
| 15. Prof. Subrata Chakraborty      | Member |
| 16. Prof. Sudip Kr. Roy            | Member |

Department of Chemistry

- |                                |        |
|--------------------------------|--------|
| 17. Prof. Ajit Kumar Mahapatra | Member |
| 18. Prof. Anup Mondal          | Member |
| 19. Prof. Bibhutosha Adhikary  | Member |
| 20. Prof. Binaykrishna Ghorai  | Member |
| 21. Prof. Prasanta Kumar Nandi | Member |

Department of Computer Science and Technology

- |                               |        |
|-------------------------------|--------|
| 22. Prof. Asit Kumar Das      | Member |
| 23. Prof. Jaya Sil            | Member |
| 24. Prof. Sekhar Mandal       | Member |
| 25. Prof. Sipra Das Bit       | Member |
| 26. Prof. Sulata Mitra        | Member |
| 27. Prof. Susanta Chakraborty | Member |

Department of Earth Science

- |                                       |        |
|---------------------------------------|--------|
| 28. Prof. Bhabani Prasad Mukhopadhyay | Member |
|---------------------------------------|--------|

Department of Electrical Engineering

- |                                |        |
|--------------------------------|--------|
| 29. Prof. Abdur Rouf           | Member |
| 30. Prof. Anindita Sengupta    | Member |
| 31. Prof. Aparajita Sengupta   | Member |
| 32. Prof. Chandan Kumar Chanda | Member |
| 33. Prof. Mainak Sengupta      | Member |
| 34. Prof. Prasid Syam          | Member |

Department of Electronics and Telecommunication Engineering

35. Dr. Ayan Banerjee, Associate Professor and Head Invitee

Department of Humanities and Social Sciences

36. Dr Partha Sarathi Roy, Associate Professor and Head Invitee

Department of Information Technology

37. Prof. Arindam Biswas Member  
38. Prof. Hafizur Rahaman Member  
39. Prof. Santi Prasad Maity Member

Department of Mathematics

40. Prof. Basudeb Mukhopadhyay Member  
41. Prof. Binayak Samaddar Choudhury Member  
42. Prof. Guruprasad Samanta Member  
43. Prof. Jagabandhu De Member  
44. Prof. Murari Mitra Member  
45. Prof. Parbati Saha Member  
46. Prof. Pritha Das Member  
47. Prof. Tapan Kr. Kar Member

Department of Mechanical Engineering

48. Prof. Apurba Kishore Dutta Member  
49. Prof. Bijan Kumar Mandal Member  
50. Prof. Parthapratim Dey Member  
51. Prof. Santanu Kumar Karmakar Member  
52. Prof. Sisir Kumar Guha Member  
53. Prof. Subhas Chandra Mondal Member  
54. Prof. Sujoy Kumar Saha Member

Department of Metallurgy and Materials Engineering

55. Prof. Amitava Basu Mallick Member  
56. Prof. Subrata Chatterjee Member  
57. Prof. Swarup Kr. Ghosh Member  
58. Prof. Manojit Ghosh, Associate Professor and Head Invoice

Department of Mining Engineering

59. Prof. Indranath Sinha Member  
60. Prof. Netai Chandra Dey Member  
61. Prof. Pratik Dutta Member  
62. Prof. Suranjan Sinha Member

Department of Physics

63. Prof. Bichita Kr. Guha Member  
64. Prof. Dipali Banerjee Member  
65. Prof. Mousumi Basu Member  
66. Sukhendu Sekhar Sarkar Member  
67. Prof. Krishnendu Mukherjee, Associate Professor and HOD Invitee

School of Material Science and Engineering

68. Prof. Nil Ratan Bandyopadhyay Member

Other Invitee

69. Dr. Nirmalya Kr. Bhattacharyya, Deputy Registrar (Academic) Invitee

HA

Secretary

70. Dr. Biman Bandyopadhyay  
Registrar

Secretary

Leave of absence granted of the following members:

Department of Architecture Town and Regional Planning

Prof. Keya Mitra

Department of Chemistry

Prof. Shyamal Kumar Chattopadhyay

Department of Electrical Engineering

Prof. Ashoke Sutradhar

Department of Mechanical Engineering

Prof. Shyamal Chatterjee

Department of Mining Engineering

Prof. Sudipta Mukhopadhyay

Following members were absent:

Department of Aerospace Engineering and Applied Mechanics

1. Prof. Amit Roy Chowdhury
2. Prof. Subhasis Bhaumik
3. Prof. Rana Roy
4. Prof. Salil Halder

Department of Architecture Town and Regional Planning

5. Prof. Arup Sarkar
6. Prof. Souvanic Roy

Department of Civil Engineering

7. Prof. Debashis Moitra

Department of Chemistry

8. Prof. Sudip Kumar Chattopadhyay

Department of Computer Science and Technology

9. Prof. Amit Kumar Das
10. Prof. Biplab Kumar Sikdar
11. Prof. Uma Bhattacharya

Department of Electrical Engineering

12. Prof. Avijit Chakraborty
13. Prof. Debasis Sarkar
14. Prof. Goutam Bandyopadhyay
15. Prof. Biswarup Basak
16. Prof. Jagadish Pal
17. Prof. Debabrata Roy
18. Prof. Konika Das (Bhattacharya)

Department of Electronics and Telecommunication Engineering

19. Prof. Baidya Nath Ray
20. Prof. Monojit Mitra
21. Prof. Santanu Das
22. Prof. Susanta Kumar Parui

Department of Human Resource Management

23. Prof. Manas Kumar Sanyal

Department of Mathematics

24. Prof. Sanat Kumar Majumder
25. Prof. Tapan Kumar Roy
26. Prof. Asoke Kumar Dhar

Department of Mechanical Engineering

27. Prof. Debasis Datta
28. Prof. Somnath Chakrabarti

Department of Mining Engineering

29. Prof. Prabir Kumar Paul

Special Invitees

30. Mr. Souvik Biswas, General Secretary, Students' Senate
31. Mr. Avik Ghosh, Asst. General Secretary, Students' Senate

The adjourned 22<sup>nd</sup> meeting of the Senate was held in the Alumni Seminar Hall of the Institute on Wednesday, the 10th July, 2019 at 15 hr. The following members and invitees participated.

Chairman, Senate

1. Prof. Parthasarathi Chakrabarti  
Director

Chairman

Department of Aerospace Engineering and Applied Mechanics

2. Prof. Koustuv Debnath
3. Prof. Subhasis Bhaumik
4. Prof. Sujay Kumar Mukherjee

Member  
Member  
Member

Department of Architecture Town and Regional Planning

5. Prof. Aditya Bandyopadhyay
6. Prof. Souvanic Roy
7. Prof. Swati Saha
9. Prof. Partha Sarathi Mukhopadhyay

Member  
Member  
Member  
Member

Department of Civil Engineering

10. Prof. Aparna (Dey) Ghosh
11. Prof. Anirban Gupta
12. Prof. Debabrata Mazumder
13. Prof. Kalyan Kumar Bhar
14. Prof. Subrata Chakraborty
15. Prof. Sudip Kr. Roy

Member  
Member  
Member  
Member  
Member  
Member

Department of Chemistry

16. Prof. Ajit Kumar Mahapatra
17. Prof. Bibhutoh Adhikary Member
18. Prof. Binaykrishna Ghorai
19. Prof. Prasanta Kumar Nandi
20. Prof. Shyamal Kumar Chattopadhyay
21. Prof. Sudip Kumar Chattopadhyay

Member  
Member  
Member  
Member  
Member

Department of Computer Science and Technology

22. Prof. Sekhar Mandal
23. Prof. Sipra Das Bit
24. Prof. Susanta Chakraborty

Member  
Member  
Member

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Department of Earth Science

25. Prof. Bhabani Prasad Mukhopadhyay Member

Department of Electrical Engineering

26. Prof. Anindita Sengupta Member

27. Prof. Aparajita Sengupta Member

28. Prof. Prasad Syam Member

Department of Electronics and Telecommunication Engineering

29. Prof. Santanu Das Member

30. Prof. Ayan Banerjee, Associate Professor and Head Invitee

Department of Humanities and Social Sciences

31. Prof. Partha Sarathi Roy, Associate Professor & HOD Invitee

Department of Information Technology

32. Prof. Arindam Biswas Member

33. Prof. Hafizur Rahaman Member

34. Prof. Santi Prasad Maity Member

Department of Mathematics

35. Prof. Binayak Samaddar Choudhury Member

36. Prof. Guruprasad Samanta Member

37. Prof. Parbati Saha Member

Department of Mechanical Engineering

38. Prof. Apurba Kishore Dutta Member

39. Prof. Bijan Kumar Mandal Member

40. Prof. Parthapratim Dey Member

41. Prof. Santanu Kumar Karmakar Member

42. Prof. Subhas Chandra Mondal Member

Department of Metallurgy and Materials Engineering

43. Prof. Amitava Basu Mallick Member

44. Prof. Subrata Chatterjee Member

45. Prof. Manojit Ghosh, Associate Professor & HOD Invitee

Department of Mining Engineering

46. Prof. Indranath Sinha Member

47. Prof. Netai Chandra Dey Member

48. Prof. Pratik Dutta Member

49. Prof. Sudipta Mukhopadhyay Member

Department of Physics

50. Prof. Bichita Kr. Guha Member

51. Prof. Dipali Banerjee Member

52. Prof. Mousumi Basu Member

Other Invitee

53. Dr. Nirmalya Kr. Bhattacharyya, Deputy Registrar (Academic) Invitee

Secretary

54. Dr. Biman Bandyopadhyay ,Secretary  
Registrar

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Leave of absence granted of the following members:

Department of Architecture Town and Regional Planning

Prof. Keya Mitra

Department of Electrical Engineering

Prof. Ashoke Sutradhar

Department of Mechanical Engineering

Prof. Shyamal Chatterjee

School of Material Sciences and Engineering

Prof. Nil Ratan Bandyopadhyay

Following members were absent:

Department of Aerospace Engineering and Applied Mechanics

1. Prof. Amit Roy Chowdhury
2. Prof. Rana Roy
3. Prof. Santanu Majumder
4. Prof. Salil Halder

Department of Architecture Town and Regional Planning

5. Prof. Arup Sarkar

Department of Civil Engineering

7. Prof. Ambarish Ghosh
8. Prof. Chaitali Ray
9. Prof. Kalyan Kr. Chattopadhyay
10. Prof. Debashis Moitra

Department of Chemistry

11. Prof. Anup Mondal

Department of Computer Science and Technology

12. Prof. Amit Kumar Das
13. Prof. Asit Kumar Das
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15. Prof. Jaya Sil
16. Prof. Sulata Mitra
17. Prof. Uma Bhattacharya

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19. Prof. Abdur Rouf
20. Prof. Chandan Kumar Chanda
21. Prof. Debasis Sarkar
22. Prof. Goutam Bandyopadhyay
23. Prof. Biswarup Basak
24. Prof. Jagadish Pal
25. Prof. Debabrata Roy
26. Prof. Konika Das (Bhattacharya)
27. Prof. Mainak Sengupta

Department of Electronics and Telecommunication Engineering

28. Prof. Baidya Nath Ray
29. Prof. Monojit Mitra
30. Prof. Susanta Kumar Parui

Department of Human Resource Management

31. Prof. Manas Kumar Sanyal

Department of Mathematics

32. Prof. Asoke Kumar Dhar  
33. Prof. Basudeb Mukhopadhyay  
34. Prof. Jagabandhu De  
35. Prof. Murari Mitra  
36. Prof. Pritha Das  
37. Prof. Sanat Kumar Majumder  
38. Prof. Tapan Kumar Roy  
39. Prof. Tapan Kumar Kar

Department of Mechanical Engineering

40. Prof. Debasis Datta  
41. Prof. Somnath Chakrabarti  
42. Prof. Sisir Kumar Guha  
43. Prof. Sujoy Kumar Saha

Department of Metallurgy & Materials Engineering

46. Prof. Swarup Kr. Ghosh

Department of Mining Engineering

47. Prof. Prabir Kumar Paul  
48. Prof. Suranjan Sinha

School of Material Sciences and Engineering

49. Prof. Nil Ratan Bandyopadhyay

Dept. of Physics

50. Prof. Krishendu Mukherjee, Associate Professor and HOD

Special Invitees

51. Mr. Souvik Biswas, General Secretary, Students' Senate  
52. Mr. Avik Ghosh, Asst. General Secretary, Students' Senate

The adjourned 22<sup>nd</sup> meeting of the Senate was held in the Alumni Seminar Hall of the Institute on Wednesday, the 11th July, 2019 at 15 hr. The following members and invitees participated:-

Chairman, Senate

- |                                    |          |
|------------------------------------|----------|
| 1. Prof. Parthasarathi Chakrabarti | Chairman |
| Director                           |          |

Department of Aerospace Engineering and Applied Mechanics

- |                                |        |
|--------------------------------|--------|
| 2. Prof. Amit Roy Chowdhury    | Member |
| 3. Prof. Subhasis Bhaumik      | Member |
| 4. Prof. Sujay Kumar Mukherjee | Member |

Department of Architecture Town and Regional Planning

- |                                      |        |
|--------------------------------------|--------|
| 5. Prof. Swati Saha                  | Member |
| 6. Prof. Partha Sarathi Mukhopadhyay | Member |

Department of Civil Engineering

- |                             |        |
|-----------------------------|--------|
| 7. Prof. Aparna (Dey) Ghosh | Member |
| 8. Prof. Anirban Gupta      | Member |
| 9. Prof. Chaitali Ray       | Member |

10. Prof. Debabrata Mazumder	Member
11. Prof. Kalyan Kumar Bhar	Member
12. Prof. Subrata Chakraborty	Member
13. Prof. Sudip Kr. Roy	Member
<u>Department of Chemistry</u>	
14. Prof. Ajit Kumar Mahapatra	Member
15. Prof. Bibhutoh Adhikary	Member
16. Prof. Binaykrishna Ghorai	Member
17. Prof. Prasanta Kumar Nandi	Member
18. Prof. Shyamal Kumar Chattopadhyay	Member
19. Prof. Sudip Kumar Chattopadhyay	Member
<u>Department of Computer Science and Technology</u>	
22. Prof. Asit Kumar Das	Member
23. Prof. Sekhar Mandal	Member
24. Prof. Susanta Chakraborty	Member
25. Prof. Uma Bhattacharya	Member
<u>Department of Earth Science</u>	
26. Prof. Bhabani Prasad Mukhopadhyay	Member
<u>Department of Electrical Engineering</u>	
27. Prof. Anindita Sengupta	Member
28. Prof. Aparajita Sengupta	Member
29. Prof. Chandan Kumar Chanda	Member
30. Prof. Prasad Syam	Member
<u>Department of Electronics and Telecommunication Engineering</u>	
31. Prof. Santanu Das	Member
32. Prof. Ayan Banerjee, Associate Professor and HOD	Invitee
<u>Department of Humanities and Social Sciences</u>	
33. Prof. Partha Sarathi Roy, Associate Professor & HOD	Invitee
<u>Department of Information Technology</u>	
34. Prof. Arindam Biswas	Member
35. Prof. Hafizur Rahaman	Member
36. Prof. Santi Prasad Maity	Member
<u>Department of Mathematics</u>	
37. Prof. Binayak Samaddar Choudhury	Member
38. Prof. Basudeb Mukhopadhyay	Member
39. Prof. Guruprasad Samanta	Member
40. Prof. Jagabandhu De	Member
41. Prof. Parbati Saha	Member
42. Prof. Pritha Das	Member
43. Prof. Tapan Kr. Kar	Member



Department of Mechanical Engineering

- |                                  |        |
|----------------------------------|--------|
| 44. Prof. Santanu Kumar Karmakar | Member |
| 45. Prof. Sisir Kumar Guha       | Member |
| 46. Prof. Subhas Chandra Mondal  | Member |

Department of Metallurgy and Materials Engineering

- |   |         |
|---|---------|
| 47. Prof. Subrata Chatterjee                          | Member  |
| 48. Prof. Swarup Kr. Ghosh                            | Member  |
| 49. Prof. Manojit Ghosh, Associate Professor and Head | Invitee |

Department of Mining Engineering

- |                                |        |
|--------------------------------|--------|
| 50. Prof. Indranath Sinha      | Member |
| 51. Prof. Netai Chandra Dey    | Member |
| 52. Prof. Pratik Dutta         | Member |
| 53. Prof. Suranjan Sinha       | Member |
| 54. Prof. Sudipta Mukhopadhyay | Member |

Department of Physics

- |  |         |
|--|---------|
| 55. Prof. Bichita Kr. Guha                                 | Member  |
| 56. Prof. Dipali Banerjee                                  | Member  |
| 57. Prof. Krishendu Mukherjee, Associate Professor and HOD | Invitee |

Other Invitee

- |   |         |
|---|---------|
| 58. Dr. Nirmalya Kr. Bhattacharyya, Deputy Registrar (Academic) | Invitee |
|---|---------|

Secretary

- |  |  |
|--|--|
| 59. Dr. Biman Bandyopadhyay, Secretary to the Senate Registrar |  |
|--|--|

Leave of absence granted of the following members:

Department of Architecture Town and Regional Planning

Prof. Keya Mitra

Department of Electrical Engineering

Prof. Ashoke Sutradhar

Department of Mechanical Engineering

Prof. Shyamal Chatterjee

School of Material Sciences and Engineering

Prof. Nil Ratan Bandyopadhyay

Following members were absent:

Department of Aerospace Engineering and Applied Mechanics

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Department of Architecture Town and Regional Planning

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7. Prof. Souvanic Roy

Department of Civil Engineering

8. Prof. Ambarish Ghosh
9. Prof. Kalyan Kr. Chattopadhyay
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Department of Chemistry

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Department of Computer Science and Technology

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Department of Electrical Engineering

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23. Prof. Jagadish Pal  
24. Prof. Debabrata Roy  
25. Prof. Konika Das (Bhattacharya)  
26. Prof. Mainak Sengupta

Department of Electronics and Telecommunication Engineering

27. Prof. Baidya Nath Ray  
28. Prof. Monojit Mitra  
29. Prof. Susanta Kumar Parui

Department of Human Resource Management

30. Prof. Manas Kumar Sanyal

Dept. of Mathematics

31. Prof. Asoke Kumar Dhar  
32. Ptof. Murari Mitra  
33. Prof. Sanat Kumar Majumder  
34. Prof. Tapan Kumar Roy

Dept. of Mechanical Engineering

35. Prof. Shyamal Chatterjee  
36. Prof. Debasis Datta  
37. Prof. Somnath Chakrabarti  
38. Prof. Sujoy Kumar Saha  
39. Prof. Apurba Kishore Dutta  
40. Prof. Bijan Kumar Mandal  
41. Prof. Parthapratim Dey

Dept. of Mining Engineering

42. Prof. Prabir Kumar Paul

Dept. of Physics

43. Prof. Sukhendu Sekhar Sarkar  
44. Prof. Mousumi Basu

School of Material Science and Engineering

48. Prof. Nil Ratan Bandyopadhyay

Special Invitees

Mr. Souvik Biswas, General Secretary, Students' Senate  
Mr. Avik Ghosh, Asst. General Secretary, Students' Senate

The Chairperson welcomed the members and invitees present. The Chairperson requested the Secretary to Senate to place the agenda for discussion.

**Item No. 22.01      Confirmation of the Proceedings of the 6<sup>th</sup> Emergency meeting of the Senate held on 29<sup>th</sup> March, 2019.**

**Resolution No. 22.01**

The draft proceedings of the 6<sup>th</sup> Emergency meeting of the Senate held on 29<sup>th</sup> March, 2019 were circulated amongst members and invitees. The said proceedings were confirmed with the following additional point :

8. Another Four fellowships (OC: 03, OBC: 01) will be available from Ministry of New and Renewable Energy (MNRE), Govt. of India fund. Their eligibility criteria will be as that of Regular Candidates with Institute fellowship. The Institute will not provide any assistantship /fellowship to such a research scholar.

**Item No. 22.02      Confirmation of the Proceedings of the 19<sup>th</sup> meeting of the Senate held on 10<sup>th</sup> April, 2019 and its adjourned meeting held on 12<sup>th</sup> April, 2019.**

**Resolution No. 22.02**

The draft proceedings of the 19<sup>th</sup> meeting of the Senate held on 10<sup>th</sup> April, 2019 and its adjourned meeting held on 12<sup>th</sup> April, 2019 were circulated amongst members and invitees. The said proceedings were confirmed with the following modifications.

With regard to the Item No 19.11(1)[SSC-EAM Item No 7.13]: Following will be added after the resolution.

*"However, the Senate resolved that Sri Uday Narayan Guria, Research Scholar of Chemistry Department will be provided with financial support and all such old cases will be considered but there will be no extension of financial support to project fellows for new cases."*

With regard to the Item No 19.13(1)[SSC-EAM Item No 9.1]: 'the following members have been inducted in the Senate Standing Committee (SSC).' instead of 'following committee be constituted to finalise the eligibility criteria and seat matrix'

**The matter arising on discussion of the proceedings**

The Senate resolved that henceforth the names of the committee members of the BOAC approved by the Senate shall be included in the proceedings of the Senate meeting. All such BOACs as have already been approved by the Senate are to be separately notified by the Registrar.

**Item No. 22.03      Confirmation of the Proceedings of the 20<sup>th</sup> meeting of the Senate held on 1<sup>st</sup> May, 2019.**

**Resolution No. 22.03**

The draft proceedings of the 20<sup>th</sup> meeting of the Senate held on 1<sup>st</sup> May, 2019 were circulated to all members. The said proceedings were confirmed.

**Item No. 22.04      Confirmation of the Proceedings of the 7<sup>th</sup> Emergency meeting of the Senate held on 22<sup>nd</sup> May, 2019.**

**Resolution No. 22.04**

The draft proceedings of the 7<sup>th</sup> Emergency meeting of the Senate held on 22<sup>nd</sup> May, 2019 were circulated to all members and Invitees. The said proceedings were confirmed.

**Item No. 22.05      Confirmation of the Proceedings of the 21<sup>st</sup> meeting of the Senate held on 10<sup>th</sup> June, 2019.**

**Resolution No. 22.05**

The draft proceedings of the 21<sup>st</sup> meeting of the Senate held on 10<sup>th</sup> June, 2019 were circulated to all members. The said proceedings were confirmed.

**Item No. 22.06      Confirmation of the Proceedings of the 8<sup>th</sup> Emergency meeting of the Senate held on 14<sup>th</sup> June, 2019.**

**Resolution No. 22.06**

The draft proceedings of the 8<sup>th</sup> Emergency meeting of the Senate held on 14<sup>th</sup> June, 2019 were circulated amongst members and Invitees. The said proceedings were confirmed.

**Item No. 22.07      To consider the Draft Ordinances for the Doctoral Programme of the Institute.**

It was recalled that the Senate in its 15<sup>th</sup> meeting held on 12.06.2018 vide resolution no. 15.07, constituted, amongst other committees, a Committee for preparation of Ordinance for the doctoral programmes of the Institute. The six member Committee had Prof. Subrata Chatterjee, Professor in Metallurgy and Materials Engineering as the Chairman and Prof. Sipra Das (Bit), Professor in Computer Science and Technology as its Convener. The Committee submitted its report, - attaching therewith a draft copy of Ordinance and Regulations for the Doctoral Programme leading to PhD Degree of the Institute.

The matter was taken up in the 17<sup>th</sup> meeting of the Senate held on 22.11.2018, vide agenda item no. 17.04. The Senate, while appreciating the commendable efforts put up by the committee, desired improvements in the structure, framework and content of the Ordinance. The Senate also desired that the Committee may suitably revise and recast the draft Ordinance proposed by it following the spirit of the discussion and observation made by the members and re submit the same before the next meeting of the Senate. The Senate further desired that a committee may be formed to ensure conformability in the framework of the Ordinances and Regulation for UG, PG and Doctoral programmes.

As such the Senate in its 17<sup>th</sup> meeting, through a separate resolution vide resolution no. 17.12M2 constituted a seven member committee, under the Chairmanship of Dean (Academic), to study the recommended draft Ordinances and Regulations for the various academic programmes of the Institute and to suggest suitable revisions and modifications in those Ordinances and Regulations to ensure, *inter-alia*, (i) structural similarity (ii) uniformity in definitions of terms used (iii) and specificity of the sentences to ensure unambiguity so as to stand scrutiny of law. The constitution of the committee is as follows:

1. Prof. Susanta Chakraborty Dean (Academic)	Chairperson
2. Prof Ashoke Sutradhar Professor and Head, Dept. of Electrical Engineering	Member
3. Prof Anirban Gupta Professor and Head, Dept. of Civil Engineering	Convener
4. Prof Binayak Samaddar Chowdhury Professor, Dept. of Mathematics	Member
5. Prof Kalyan Kumar Bhar Professor, Dept. of Civil Engineering	Member
6. Prof Shipra Das (Bit) Professor, Dept. of Computer Science and Technology	Member
7. Prof Aparajita Sengupta Professor, Dept. of Electrical Engineering	Member

The Committee was also asked to suggest such other changes in the proposed Ordinances and Regulations, as it might deem necessary for academic improvement and programme governance. The Committee was requested to submit its report by 20<sup>th</sup> December 2018.

The modified Draft Ordinances for the Doctoral Programme, as prepared by the committee, was circulated along with the agenda papers of the 22<sup>nd</sup> meeting. The Dean (Academic) clarified the queries raised and further explained the intent and content of the Ordinances for the Doctoral Programme of the Institute.

The draft as presented was approved by the Senate in principle with the following modifications.

- (a) In order to be eligible to be considered for admission to PhD programme of the Institute with an institute fellowship, a candidate must not be over 30 years of age on the last date of application for the programme in that cycle. A relaxation of five years shall be applicable for candidates belonging to SC/ST/DA Category. A female applicant shall also be eligible for an age relaxation of five years.



- (b) A full-time PhD research scholar shall be eligible for such leave as may be provided in the leave rules for research scholars to be framed by the Senate from time to time. Such leave rules shall, in general, be framed following the MHRD guidelines issued from time to time.
- (c) In order to get an admission, a candidate belonging to the 'sponsored candidate' category will have to produce an NOC from her/his employer stating clearly that, in the event of her/his being offered an admission, she/he shall be granted a leave of appropriate kind at least for a period of three years to enable her/him to undertake doctoral research at the Institute.
- (d) Notwithstanding anything contained in paragraph (c) above, the Institute may, in its own discretion, permit a candidate belonging to this category to take admission in the PhD programme if she/he is granted a minimum of six months' study leave to enable her/him to complete the course requirement. Under such a case the employer concerned should be a senate-approved research organisation and the employer should provide an assurance that necessary permission shall be granted and facilities shall be extended to the candidate to carry out and complete her/his doctoral research at the parent organisation. Under such a case, a co-supervisor from the employing organisation may be assigned. A scholar admitted under this category shall not be entitled to any assistantship/ fellowship from the Institute. After necessary coursework is completed, a scholar admitted under this category may be allowed to work from her/his parent organisation, i.e. the organisation where he holds a regular substantive appointment.
- (e) Amongst the courses in which the scholar must pass before being considered for registration shall be a course on '*Research Methodology and Documentation*'. In order to become eligible for PhD Registration an enrolled candidate must enrol, attend classes regularly, and pass the examinations, in all courses including the course on '*Research Methodology and Documentation*'.
- (f) The constitution of RPEC (Section 9.1 of the PhD ordinance) is modified with inclusion of one more member who shall be a faculty representative nominated by DPGC.

The Senate, appreciated the efforts made by the committee in modifying the draft ordinances. But it was felt that the document may be further revised/ edited to make it a proper quasi-legal document that would stand the scrutiny of law. As such, it was resolved that a Committee comprising Prof Indranath Sinha and Prof Kalyan Kumar Bhar may carry out further editing of the Ordinances. The document so edited may be placed before the Chairman for his approval and subsequently placed before the BOG for consideration and adoption..

**Item No. 22.08      To consider the Draft Ordinances and Regulations for the Undergraduate Programmes of the Institute.**

It was recalled that the Senate, in its 15th meeting, constituted three committees for preparation of Ordinances. One such committee was constituted for preparation of Ordinances for the undergraduate programmes of the Institute. The six member Committee had Prof. Kalyan Kumar Bhar, Professor in Civil Engineering as the Chairman and Prof. Aparna Dey Ghosh, Professor in Civil Engineering as its Convener. The Committee submitted its report on November 13, 2018, - attaching therewith the draft Ordinances and the draft Regulations for the Undergraduate Programmes [B.Arch, B.Tech, and Dual (B.Tech-M.Tech) Degree programmes] of the Institute. Both the Draft Ordinance and the Draft Regulations were circulated alongwith the agenda papers for the additional items of the 17th meeting of the Senate.

The matter was taken up in the 17th meeting of the Senate, vide agenda item no 17.12M2. The house expressed its deep appreciation to the Bhar Committee for the thorough, methodical and well-structured Ordinances and Regulations drafted by it. However, it was desired that Prof. Kalyan Kumar Bhar may compile and collate the changes proposed and recast the Ordinance and send the recasted Ordinance to the Chairman and all member of the Senate.

The Senate further desired that a committee may be formed to ensure conformability in the framework of the Ordinances and Regulations for the Undergraduate, the Postgraduate and the Doctoral programmes.

As such the Senate, through a separate resolution, constituted a committee to study the recommended draft Ordinances and Regulations for the various academic programmes of the Institute and to suggest suitable revisions and modifications in those Ordinances and Regulations to ensure, *inter-alia*, (i) structural similarity (ii) uniformity in definitions of terms used (iii) and specificity of the sentences to ensure unambiguity so as to stand scrutiny of law. The Committee was also asked to suggest such other changes in the proposed Ordinances



and Regulations, as it might deem necessary for academic improvement and programme governance. The Committee was requested to submit its report by 20th December 2018.

The revised draft as prepared by the committee was circulated along with the agenda papers of the 22nd meeting. The salient features of the revised drafts as prepared by the committee was elucidated through a power-point presentation made by Prof K. K. Bhar.

The Senate, appreciated the efforts made by the committee in modifying both the documents, namely, the draft ordinances and the draft regulations for the undergraduate programmes. But it was felt that the documents may be further revised/ edited to make it a proper quasi-legal document that would stand the scrutiny of law including the modification that arose out of the discussion of the Senate members. As such, it was resolved that a Committee comprising Prof Indranath Sinha and Prof Kalyan Kumar Bhar may carry out further editing of the Ordinances and incorporation of these modifications that they have noted or received from Senate members. The document so edited may be placed before the Chairman for his approval and subsequently place it before the BOG for consideration and adoption.

**Item No. 22.09                      To consider the revised the Final Document on disciplinary manual for students of IEST, Shbpur.**

**Resolution No. 22.09**

After a prolonged discussion on that issue, the disciplinary manual for students of IEST, Shbpur has been approved with the following rectifications/ modifications:

- The students activity including their dress, conduct etc. in the campus and the classes should be in such manner which are generally acceptable to all.

**Item No. 22.10                      To consider the Academic Calendar of the next academic session.**

**Resolution No. 22.10**

Academic Calendar of the next academic session was approved with some modifications. The modified version of the academic calendar is enclosed.

**Item No. 22.11                      To consider the MoU between School of Management Sciences-IEST (SOMS), Shibpur and The Strategy Academy Centre for Advanced Studies.**

**Resolution No. 22.11**

The matter was deffered.

**Item No. 22.12                      To note the extension of approval from the Council of Architecture for imparting 5-year full-time Bachelor of Architecture Degree Course for the academic sessions 2019-2020, 2020-2021 and 2021-2022 for an intake of 24 students.**

**Resolution No. 22.12**

The Senate noted the approval from the Council of Architecture for imparting 5-year full-time Bachelor of Architecture Degree Course for the academic sessions 2019-2020, 2020-2021 and 2021-2022 for an intake of 24 students.

**Item No. 22.13                      To note the list of members for the BOAC of the following Departments i) Physics ii) Electronics and Telecommunication Engg. iii) School of VLSI Technology iv) Metallurgy and Materials Engg.**

**Resolution No. 22.13**

This agenda was discussed along with Misc. agenda item 22.14.M7 . The Senate noted the list of members for the BOAC of all the Departments / Schools /Centres received by the authority prior to the date of the Senate meeting. The Senate also resolved to request the Departments /Schools /Centres to submit the composition of the BOAC to the Dean(Academic) immediately if not yet submitted.

**Item No. 22.14.M1: To consider Course Structure, Classrooms and other issues related to 1<sup>st</sup> year Students.**

**Resolution No. 22.14.M1:**

The Senate noted the course structure submitted so far by all Departments/Schools/ Centres and resolved to request the remaining Department/Schools /Centres to submit the same to Dean(Academic) immediately.

**Item No. 22.14.M2: Confirmation of the Proceedings of the 9<sup>th</sup> Emergency meeting of the Senate.**

**Resolution No. 22.14.M2:**

Proceedings of the 9<sup>th</sup> Emergency meeting of the Senate circulated among the members were confirmed.

As per the decision of the Senate in its 9<sup>th</sup> emergency meeting held on July 1, 2019, the students who were declared as 'Failed' or 'CNC', shall be allowed to appear in all the backlog papers (Theoretical and Sessional) in special supplementary examinations to be conducted during July 09-22, 2019. Each day will have one backlog paper examination and it will continue till 22<sup>nd</sup> July 2019 and the result shall be published on 26<sup>th</sup> July 2019. A notification in this regard shall also be published in the website. The Senate approved it. It was also resolved that the students who are having dues in Tuition Fees/Mess Fees shall be allowed to appear the said examinations and their result shall be kept withheld till they clear the dues.

**Item No. 22.14.M3: To consider the Draft Ordinances for the Postgraduate Programmes.**

It was recalled that the Senate, in its 15th meeting, constituted three committees for preparation of Ordinances. One such committee was constituted for preparation of Ordinances for the postgraduate programmes of the Institute. The six member Committee had Prof. Santanu Kumar Karmakar, Professor in Mechanical Engineering as the Chairman and Prof. Aparajita Sengupta, Professor in Electrical Engineering as its Convener. The Committee submitted its report on September 03, 2018, - attaching therewith the first draft of the Ordinances for the Masters' Programmes of the Institute. The Draft Ordinance was circulated as a part of the agenda papers of the 17th meeting of the Senate.

The matter was taken up in the 17th meeting of the Senate vide agenda item no 17.05. Members, while appreciating the draft ordinances in general, pointed out a few mistakes and errors. Prof Karmakar took note of the comments, suggestions and observations from the floor for consideration by the Committee for further modification of the draft. The painstaking efforts made by the Karmakar Committee in framing the first draft were appreciated. But the Senate suggested some significant modifications and improvement in the structure, framework and content of the Ordinance and, as such, the Senate requested that the Committee may suitably revise and recast the draft Ordinance proposed by it and re submit the same at the earliest. The Senate also desired that a committee may be formed to ensure conformability in the framework of the Ordinances and Regulation for UG, PG and Doctoral programmes (cf 17.04)."

As stated earlier, the Senate, through a separate resolution, constituted a committee, under the Chairmanship of Prof Ashoke Sutradhar, Professor in Electrical Engineering, to study the recommended draft Ordinances and Regulations for the various academic programmes of the Institute and to suggest suitable revisions and modifications in those Ordinances and Regulations to ensure, *inter-alia*, (i) structural similarity (ii) uniformity in definitions of terms used (iii) and specificity of the sentences to ensure unambiguity so as to stand scrutiny of law. The Committee was also asked to suggest such other changes in the proposed Ordinances and Regulations, as it might deem necessary for academic improvement and programme governance. The Committee was requested to submit its report by 20th December 2018.

The revised draft as prepared by the committee was circulated on 10<sup>th</sup> July, 2019. The salient features of the revised drafts as prepared by the committee was elucidated through a power-point presentation by Prof Aparajita Sengupta. Prof Sengupta was aided by Prof Anirban Gupta.

The Senate, appreciated the efforts made by the committee in modifying both the documents, namely, the draft ordinances and the draft regulations for the undergraduate programmes. But it was felt that the documents may be further revised/ edited to make it a proper quasi-legal document that would stand the scrutiny of law including the modifications that arose out of the discussion of the Senate members. As such, it was resolved that a Committee comprising Prof Indranath Sinha and Prof Kalyan Kumar Bhar may carry out further editing of the Ordinances and incorporations of those modification that they have noted or received from Senate members.

The document so edited may be placed before the Chairman for his approval and subsequently placed it before the BOG for consideration and adoption.

**Item No. 22.14.M4: To consider the modified curricula and syllabi of M.Sc. course on Food Processing and Nutrition Sciences.**

**Resolution No. 22.14.M4:**

The course structure was approved

**Item No. 22.14.M5: To consider the curricular structures of the B.Arch. and M.Plan (URP) programme and detailed syllabus of first year of both the programme.**

**Resolution No. 22.14.M5:**

The course structures and detailed syllabus of the B.Arch. and M.Plan (URP) were approved

**Item No. 22.14.M6 To consider the new course structure and content of M.Sc. in Applied Geology.**

**Resolution No. 22.14.M6:**

The course structure was approved

**Item No.22.14.M7: To note the list of members for the BOAC of the following Departments/Centres/Schools**

**i) Dept. of Chemistry ii) School of Mechatronics & Robotics iii) CEGESS iv) Dept. of Humanities & Social Sciences**

**Resolution No. 22.14.M7:**

See the resolution no. 22.13.

The names of the BOAC members, as approved are mentioned below:

**i) Dept. of Chemistry**

- |   |            |
|---|------------|
| 1. Head of the Department   | - Chairman |
| 2. Prof. Sanjib Bagchi, former Professor, Dept. of Chemistry, IISER, Kolkata        | - Member   |
| 3. Prof. Samaresh Bhattacharya, Professor, Dept. of Chemistry, Jadavpur University- | Member     |
| 4. Dr. Gautam Saha, Vice President-Chemistry, TCG, Life Science, Salt Lake          | - Member   |
| 5. Dr. Supriyo Dutta, Nistarini Women's College, Purulia, Ex-student of IESTS       | - Member   |
| 6. All the permanent faculty members of the Department of Chemistry                 | - Member   |

**ii) Dept. of Humanities & Social Sciences (HSS)**

- |   |            |
|---|------------|
| 1. Head of the Department   | - Chairman |
| 2. Prof. Biswajit Ghosh, Dept. of Sociology, Burdwan University         | - Member   |
| 3. Prof. Anjan Chakraborty, Dept. of Economics, University of Calcutta  | - Member   |
| 4. Mr. Anjan Ghosh, Retd. Vice-President, Exide Industries Ltd. Kolkata | - Member   |
| 5. Dr. Gopa Ghosh, Economics, Guest Faculty in an Institutions          | - Member   |
| 6. All the permanent faculty members of the Department of HSS           | - Member   |

**iii) Dept. Physics**

- |  |            |
|--|------------|
| 1. Head of the Department  | - Chairman |
| 2. Prof. Prasanta Kumar Dutta, Dept. of Physics, IIT Kharagpur           | - Member   |
| 3. Prof. Subinay Dasgupta, Dept. of Physics, University of Calcutta      | - Member   |
| 4. Mr. Arijit Basuray, Managing Director, Neo Tele-Tronics(P) Ltd.,      | - Member   |
| 5. Dr. Gautam Manna, Assitant Professor, Prabhat Kr. College, Kontai, WB | - Member   |
| 6. All the permanent faculty members of the Dept. of Physics             | - Member   |

**iv) Dept. of Electronics and Telecommunication Engg.**

- |  |            |
|--|------------|
| 1. Head of the Department                                    | - Chairman |
| 2. Prof. Indrajit Chakrabarti, Dept. of ECE, IIT, Kharagpur  | - Member   |
| 3. Prof. Subir Kumar Sarkar, Dept. ETCE, Jadavpur University | - Member   |
| 4. Dr. Debkalyan Pal, Associate Vice President, HDFC         | - Member   |



5. Mr. Dhruva Das, Scientist C, SAMEER, Kolkatta Centre, Ministry of Elec &IT - Member
6. All the permanent faculty members of the Dept. of ETC Engg. - Member

v) Dept. of Metallurgy and Materials Engg.

1. Head of the Department - Chairman
2. Prof. Uday Kr. Chatterjee, Former Professor, Dept. of Metallurgical & Materials Engg., IIT, KGP - Member
3. Prof. Siddharta Mukherjee, Ex-Professor, Dept. of Met. & Mat. Engg., JU and Director, School of Mines & Metallurgy, Kazi Nazrul University, Asansol (North) - Member
4. Dr. Saurabh Kundu, Chief Researcher, Product Development Research Group, Tata Steel-Member
5. Dr. Debashish Bhattacharjee, Vice President, New Materials Business, Tata Steel - Member
6. All permanent faculty members of the Dept. of Met. and Mat Engg. - Member

vi) School of Mechatronics & Robotics

1. Head of the Department - Chairman
2. Prof. C S Kumar, Professor, Dept. of Mechanical Engg., IIT, Kharagpur - Member
3. Prof. Amitava Chatterjee, Professor, Dept. of Electrical Engg., Jadavpur University - Member
4. Dr. Arpan Pal, Principal Scientist and Head, Embedded Systems and Robotics, TCS Research and Innovation, Kolkata - Member
5. Mr. Sandip Nair-Co Founder & CEO, Agastya Buoyant Pvt. Ltd., Kolkata - Member
6. All permanent faculty members of the School of Mechatronics & Robotics - Member

vii) School of VLSI Technology

1. Head of the Department - Chairman
2. Prof. Anindya S. Dhar, Dept. of Electronics & Electrical Communication Engg. IIT, Kharagpur - Member
3. Prof. Bhargab B. Bhattacharya, IEEE, Fellow, Professor, Advanced Computing and Microelectronics Unit, ISI, Kolkata - Member
4. Mr. Prinyanko Mitra, Analog-Mixed Signal Design, Head Kolkata Region, Sankalp Semiconductor Limited, Salt lake, Kolkata - Member
5. Mr. Suraj Gupta, SOC Design Engineer, Intel Technology India Pvt. Ltd., Bangaluru - Member
6. All faculty members of the Dept. of Academic Committee of School of VLSI - Member

viii) CEGESS

1. Head of the Department - Chairman
2. Prof. Jatindra Nath Roy, Professor, Energy Studies and Advanced Technology Development Centre, IIT Kharagpur - Member
3. Dr. R. N Basu, Chief Scientist & Head Fuel Cell and Batteries, CSIR-CGCRI, Kolkata - Member
4. Dr. Kanak Mukhopadhyay, Managing Director, Agni Power and Electronics (P) Ltd. - Member
5. Sri Dipak Saha, Alumni and presently Faculty of Govt. Diploma Engg. College - Member
6. All faculty members of the Department Academic Committee of CEGES - Invitee

There being no other agenda, the meeting ended with Vote of Thanks to the Chair.

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

Approved

(Prof. Parthasarathi Chakrabarti)  
Chairman, Senate and Director, IEST, Shibpur