Proceedings of the 32nd meeting of the Senate held on 20th April, 2022 at 3 p.m. at Alumni Seminar Hall of the Institute.

The 32nd meeting of the Senate was held on Wednesday, 22nd April, 2022 at 3 p.m. The following members and invitees participated.

Chairman, Senate

1.	Prof. Parthasarathi Chakrabarti, Director	Chairman

Department of Aerospace Engineering and Applied Mechanics

2.	Prof. Amit Roy Chowdhury	Member
3.	Prof. Koustuv Debnath	Member
4.	Prof. Sujay Kumar Mukherjea	Member
5.	Prof. Rana Roy	Member
6.	Prof. Salil Halder	Member
7.	Prof. Subhasis Bhaumik	Member

Department of Architecture Town and Regional Planning

8.	Prof. Partha Sarathi Mukhopadhyay	Member
9.	Prof. Keya Mitra	Member
10.	Prof. Souvanic Roy	Member
11.	Dr. Subrata Kumar Paul, HoD	Invitee

Department of Civil Engineering

12.	Prof. Aparna (Dey) Ghosh	Member
13.	Prof. Ambarish Ghosh	Member
14.	Prof. Anirban Gupta	Member
15.	Prof. Debabrata Mazumder	Member
16.	Prof. Subrata Chakraborty	Member
17.	Prof. Sudip Kr. Roy	Member

Department of Chemistry

18.	Prof. Ajit Kumar Mahapatra	Member
19.	Prof. Anup Mondal	Member
20.	Prof. Binaykrishna Ghorai	Member
21.	Prof. Prasanta Kumar Nandi	Member
22.	Prof. Shymal Kumar Chattopadhyay	Member
23.	Prof. Sudip Kumar Chattopadhyay	Member
24.	Dr. Jhuma Ganguly, HoD	Invitee

Department of Computer Science and Technology

25.	Prof. Asit Kumar Das	Member
26.	Prof. Biplab Kr. Sikdar	Member
27.	Prof. Jaya Sil	Member
28.	Prof. Sekhar Mandal	Member
29.	Prof. Sipra Das (Bit)	Member
30.	Prof. Sulata Mitra	Member
31.	Prof. Susanta Chakraborty	Member

Department of Electrical Engineering

32. Prof. Anindita Sengupta	Member
33. Prof. Aparajita Sengupta	Member
34. Prof. Konika Das (Bhattacharya)	Member
35. Prof. Mainak Sengupta	Member
36. Prof. Prasid Syam	Member

Department of Earth Science

37. Dr. Ananya Mukhopadhyay, HoD	Invitee

Department of Electronics and Telecommunication Engineering

38. Prof. Santanu Das	Member
39. Prof. Susanta Kumar Parui	Member

Department of Humanities and Social Sciences

40. Dr. Rupen Basu Mallik, HoD	Invitee

Department of Human Resource Management

41. Prof. Manas Kumar Sanyal	Member

Department of Information Technology

42. Prof. Arindam Biswas	Member
43. Prof. Hafizur Rahaman	Member
44. Prof. Santi Prasad Maity	Member
45. Dr. Sukanta Das, HoD	Invitee

Department of Mathematics

46. Prof. Asoke Kumar Dhar	Member
47. Prof. Binayak Samadder Choudhury	Member
48. Prof. Guruprasad Samanta	Member
49. Prof. Sanat Kr. Majumder	Member
50. Prof. Parbati Saha	Member
51. Prof. Pritha Das	Member
52. Prof. Tapan Kr. Kar	Member

Department of Mechanical Engineering

53. Prof. Bijan Kumar Mandal	Member
54. Prof. Debasish Dutta	Member
55. Prof. Parthapratim Dey	Member
56. Prof. Santanu Kumar Karmakar	Member
57. Prof. Subhas Chandra Mondal	Member
58. Dr. Sudip Ghosh, HoD	Invitee

Department of Metallurgy and Materials Engineering

59. Prof. Amitava Basu Mallick	Member
60. Prof. Swarup Kr. Ghosh	Member

61. Dr. Debdulal Das, HoD   Invitee

Department of Mining Engineering
62. Prof. Netai Chandra Dey   Member
63. Prof. Indranath Sinha   Member
64. Prof. Sudipta Mukhopadhyay   Member

Department of Physics
65. Prof. Dipali Banerjee   Member
66. Prof. Mousumi Basu   Member
67. Dr. Syed Minhaz Hossain   Invitee

Other Invitee
68. Dr. Nirmalya Kr. Bhattacharyya, Deputy Registrar (Academic)   Invitee
69. Mr. Shib Shankar Basak , Assistant Registrar (Academic)   Invitee

Special Invitees
70. Shri Hrsavardhan Singh, General Secretary, Students'   Special Invitee
71. Smt. Aditi Singh, Assistant General Secretary, Students' Senate   Special Invitee

Secretary
72. Dr. Devasis Datta   Registrar (Acting) and Secretary to Senate

Leave of absence granted of the following members:

Department of Electrical Engineering
Prof. Ashoke Sutradhar

Department of Mining Engineering
Prof. Pratik Dutta

Expert members of the Senate
Prof. Leena Chaterjee

Following members were absent:

Department of Aerospace Engineering and Applied Mechanics
Prof. Santanu Majumder

Department of Architecture Town and Regional Planning
Prof. Arup Sarkar
Prof. Aditya Bandyopadhyay
Prof. Swati Saha

Department of Civil Engineering
Prof. Chaitali Ray
Prof. Debasish Moitra

Department of Computer Science and Technology
    Prof. Amit Kumar Das

Department of Earth Science
    Prof. Bhabani Prasad Mukhopadhyay

Department of Electrical Engineering
    Prof. Abdur Rouf
    Prof. Chandan Kumar Chanda
    Prof. Debabrata Roy

Department of Electronics and Telecommunication Engineering
    Prof. Manojit Mitra

Department of Mathematics
    Prof. Murari Mitra

Department of Mechanical Engineering
    Prof. Shyamal Chatterjee
    Prof. Sujoy Saha

Department of Mining Engineering
    Prof. Prabir Kumar Paul

Department of Physics
    Prof. Sukhendu Sekhar Sarkar

Expert members of the Senate
    Prof. Jayanta Kumar Bhattacharjee
    Prof. S Gopalkrishnan

Agenda Item 32.01:   **To confirm the proceedings of the 31st meeting of the Senate held on 3rd February, 2022.**

Resolution 32.01:   The draft proceedings of the Senate in its 31st meeting held on 3rd February 2022 has been confirmed with the following modifications:

For item 31.06, the first two lines "In the 12th Emergency meeting of the Senate held on 6th March 2020 it was resolved that the scholars who have been enrolled under old regulation would continue under new ordinance." be replaced by "In the 12th Emergency meeting of the Senate held on 6th March 2020 it was resolved that the scholars who have been enrolled under old regulation, *but registered after July 2019, would be governed by new ordinance*."

For item 31.10, It was also resolved that Engineering Departments to make an effort to shift one Departmental Paper of Eighth semester to Seventh semester so that HSS III may be offered in a staggered way in 7th and 8th Semester.

For Item 31.20, the last sentence: "Although it was proposed to issue a separate certificate, but Senate has not approved" be replaced by "Senate also suggested to incorporate suitable changes in the ordinance so that such issue does not arise in future."

Agenda Item 32.02: **To confirm the proceedings of the 22nd Emergency meeting of the Senate held on 5th April, 2022.**

Resolution 32.02: The draft proceedings of the Senate in its 22nd emergency meeting held on 5th April 2022 has been confirmed.

Agenda Item 32.03: **To consider the recommendation of the SUGC and SPGC on mode of conducting end term examination of the even semester courses of AY 2021-22.**

Resolution 32.03 : As per the recommendation of SUGC and SPGC on mode of conducting end semester examination of the even semester courses of AY 2021-22 there was a detailed discussion in the Senate in its 32nd meeting held on April 20, 2022. Following norms for assessment of the even semester examinations of AY 2021-2022 have been resolved.

A. Relative weightage (%)

Course/Programme	Mid Semester Examinations	Teacher's Assessment	End Semester Examinations
UG 4th Semester	30	20	50
UG 6th Semester	50	20	30
UG 8th Semester	50	20	30
PG(2nd & 4th)/DD(8th&10th) Semester	30	20	50

B. Mode of Examinations

Course/Programme	Mode
UG 4th Semester	Online
UG 6th Semester	Offline
UG 8th Semester	Offline
PG(2nd & 4th)/DD(8th&10th) Semester	Offline

C. Duration of the Examinations

Course/Programme	Duration
UG 4th Semester	As per the norm of Online Examinations(ie. 1 hour and 30 minutes plus additional 20 minutes for uploading the answer scripts)
UG 6th Semester	Two Hours
UG 8th Semester	Two Hours
PG(2nd & 4th)/DD(8th&10th) Semester	Two Hours

D. Date and time of the examinations and Syllabus

Course/Programme	Date & Time of Examinations	Syllabus
UG 4th Semester	As per the Academic Calendar Time : 4 pm to 5.30 pm plus additional 20 minutes for uploading the answer scripts	Full Syllabus
UG 6th Semester	As per the Academic Calendar Time : 1 pm to 3 pm	Syllabus shall be decided by the teacher and be communicated to the students by the teacher.
UG 8th Semester	As per the Academic Calendar Time : 10 am to 12 Noon	Syllabus shall be decided by the teacher and be communicated to the students by the teacher.
PG(2nd & 4th)/DD(8th&10th) Semester	May 17- May 24, 2022 Time : 11 am to 1 pm	Syllabus shall be decided by the teacher and be communicated to the students by the teacher.

Also resolved that -.

Teachers may conduct Special Make Up test for Mid Semester Examinations.

Full marks of the question paper of End Semester Examination shall be decided by the concerned teacher. However the question paper may be prepared in such a manner so that the length of the answer shall commensurate with the duration of the examination.

Willing students to appear in the online examination using the network facilities of the Institute shall contact the concerned Heads of departments by 2nd May 2022. Heads of the departments may arrange suitable place in the department for the said examinations.

Agenda Item 32.04: **To consider the recommendation of SPGC on Seat Matrix and other eligibility criteria for postgraduate admission through CCMT & CCMN.**

Resolution 32.04: The Chairman Senate requested the Chairman, SPGC to inform the house about the recommendations of SPGC on this item. After the deliberation of the Chairman SPGC, members discussed the issue and resolved the following with respect to the admission through CCMT & CCMN 2022:

- The programme on Safety and Occupational Health Engineering offered by Centre for Healthcare Science and Technology shall be discontinued.
- The programme on Materials Science and Technology offered by School of Advanced Materials, Green Energy and Sensor Systems shall be discontinued
- The intake in the following programme / specialization are to be increased as follows:

Name of the Department	Name of the programme / specialization	Increase
Electronics & Telecommunication Engineering	Microelectronics and VLSI design	from 10 to 15
Metallurgy and Materials Engineering	Materials Engineering	from 10 to 15
Civil Engineering	Structural Engineering	from 20 to 22
	Geotechnical Engineering	from 15 to 16
	Water Resource Engineering	from 9 to 10
	Transportation Engineering	from 9 to 10
	Environmental Engineering	from 9 to 10
Architecture, Town and Regional Planning	Urban and Regional Planning	from 18 to 24
Computer Science and Technology	Computer Science and Engineering	from 20 to 25
SAMGESS	Renewable Engineering Science and Technology	from 19 to 24

- As proposed by Mining Engineering Department, the present PG programme of Mining Engineering shall be replaced by a new programme on Mineral and Energy Resources Engineering without changing the number of intakes (22). The Head, Mining Engineering Department was advised to complete all requirements for framing the course structure and the syllabus for introduction of this new course.
- The intake of M.Sc. programme offered by SOCSAT shall be reduced to 30.
- The intake of the M.Sc. programme offered by Physics, Chemistry and Mathematics shall be increased to 43, 44 and 43 respectively. However, the PG programme of Earth Science will continue with 40 seats.
- The PG programmes of all other departments/schools shall continue with the existing intake.

Agenda Item 32.05: To consider the appeal of Mr. Arka Sadhukhan (Roll No. 510515073), a CNC Declared student of CST Department to allow him to complete his course.

Resolution 32.05: Mr. Arka Sadhukhan (Examination Roll Number 510515073) of CST Department took admission in 2015.He appeared in 7th semester examination in December, 2019 and obtained back in CS503, CS501, CS623/2, CS601, HU731/1. He did not appear in the Supplementary Examination held in February, 2020 and was declared FAILED in the 8th semester examination held in June, 2020. He was supposed to take readmission in July 2020 in 7th Semester for the Academic Session 2020-2021 but he did not take it. As per old regulation (Point No 32, Page 24), a candidate shall not be eligible to seek admission to a given part for more than two consecutive academic session and hence Mr. Sadhukhan was declared CNC for the academic session 2021-2022.The student made an appeal to the Department and DUGC in its meeting held on February 26, 2022 recommended that the student might be given one chance to complete his course. The matter was placed in SUGC in its meeting held on February 28, 2022 and SUGC unanimously recommended the issue for the approval of the Senate. SUGC also recommended that Mr. Arka Sadhukhan might seek readmission in 7th Semester for the Academic Session 2022-2023 under old regulation. The resolution of SUGC has been approved by the Chairman Senate. The matter was placed in the Senate and Senate approved it.

Mr. Arka Sadhukhan (Examination Roll Number 510515073) of CST Department has been allowed to take readmission in 7th Semester under old regulation for the Academic Session 2022-2023 and also allowed to appear Supplementary Examinations for the failed subjects.

Agenda Item 32.06: To discuss on allotting teaching assignment to the postgraduate students and research scholars drawing institutional and individual fellowships.

Resolution 32.06: The Chairman expressed that the research scholars who are drawing fellowships are supposed to be associated with various teaching activities. They may be engaged in laboratory / practical / sessional / tutorial classes. They may also be involved in assisting teachers in checking answer scripts, conducting class tests etc. In this regard, specific norms may be framed. The postgraduate students, particularly those who are drawing GATE scholarships may also be involved in some teaching assignments. He requested the members to opine on the issue.

The members discussed the matter at length and it was resolved to follow the following norms for arranging teaching assignments for the research scholars and the postgraduate students drawing fellowship.

- M.Tech / MoP students and PhD scholars shall be engaged in Tutorial / Laboratory / Practical / Sessional / Project classes, but not in Theory subjects, to assist the faculty members of the respective classes.
- 1st Year M.Tech /MoP students shall be awarded 2-4 hour classes per week. The 2nd Sem M.Tech /MoP students and the PhD Scholars shall be engaged for 4 to 6 hours of weekly classes. The scholars who are drawing individual fellowship

- The students/scholars shall also be associated with the supervisors to assist in taking class tests/checking the answer scripts / supervising projects (UG/PG) etc. In addition, they shall be engaged in the invigilation duties during Mid Semester and End Semester examinations.

Agenda Item 32.07: To discuss on introducing Post-Doctoral Fellowship programme.

Resolution 32.07 : The Chairman expressed that most of the institute of higher learning in the country has the provision of Post Doctoral programme. The research activities in the Institute, in general, get enhanced with the involvement of post-doctoral fellows. Presently IIEST Shibpur does not have any provision for engaging Post-Doctoral Fellow. He requested the members to opine on the issue.

After elaborate discussion following are resolved

- The Senate has welcomed the proposal and agreed to introduce postdoctoral programme.
- The modality for selection of Post Doctoral Fellow has to be framed and the selection shall be made centrally controlled system.The draft norms shall be prepared by SPGC.
- Remuneration of the fellows shall not be less than Rs. 55,000.00 per month (consolidated)
- A fellow may be engaged maximum for 2 years with an initial appointment of one year
- The financial issue shall be decided by the Budget Committee and Finance Committee.

Agenda Item 32.08: To discuss on a report of the NIRF Committee.

Resolution 32.08: An analysis of NIRF 2021 performance of IIEST, Shibpur has been prepared and was placed before the Senate. Prof. Parthasarathi Mukhopadhyay narrated the major findings of this analysis. The members appreciated the analysis and it was resolved that Institute shall take necessary action with respect to the major conclusions of the report.
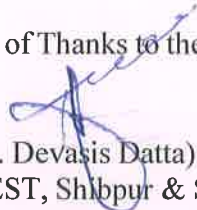
Additional Agenda Item 32.09.01:To consider the procedure to calculate CGPA for the courses of a few scholars who have attended coursework including Research Methodology before implementation of the new Ordinance.

Resolution 32.09.01 : The Chairman SPGC stated that there are several research scholars who took admission according to old Regulations but due to various reasons could not complete their registration in due time. The 12th emergency meeting of the Senate, held on 6th March 2020, resolved that these candidates will be given one-time relaxation in the date line for registration. However, candidates registering after July 2019 will be governed by new PhD ordinances. It was also resolved that such students will be allowed to register but they have to complete a 12-credit pre-registration coursework requirement with a minimum of 6.5 CGPA before their pre-submission seminar (resolutions EM 12.2.4, EM12.2.8 and EM12.2.11).It was further decided that the credit points already earned by the candidates shall be considered while calculating 12 credit points. However, the procedure for calculating grades for the course already attended has not been mentioned. The 31st meeting of the Senate resolved to request the SPGC to make recommendations in this matter (resolution 31.06).

The SPGC recommended that before the ordinance came into place the Research Methodology course was a one or two-day course and no mark sheets were issued. Therefore, this course may be considered an audit course, as it is not possible to assign any grade against it. In general, for those students who have completed various departmental postgraduate level courses or dedicated PhD coursework for them a course of 50 marks and 100 marks should assign 2 credits and 3 credits respectively. The grade will be assigned by the Deputy Registrar (Academic) according to the marks obtained by the student following the PG Ordinance.

The Senate unanimously accepted the recommendation of the SPGC.

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

(Dr. Devasis Datta)
Registrar (Acting), IIEST, Shibpur & Secretary to the Senate

Approved

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