Proceedings of the 28th Meeting of the Senate held online on 23rd December, 2020 at 3p.m.

The 28th Meeting of the Senate was held online on Wednesday, the 23rd December, 2020 at 3p.m. The following members and invitees participated in the online meeting.

Department of Aerospace Engineering and Applied Mechanics		Department of Architecture Town and Regional Planning	
Prof. Koustuv Debnath	Member	Prof. Aditya Bandyopadhyay	Member
Prof. Rana Roy	Member	Prof. Partha Sarathi Mukhopadhyay	Member
Prof. Subhasis Bhaumik	Member	Prof. Swati Saha	Member
Prof. Sujay Kumar Mukherjea	Member	Prof. Keya Mitra	Member
Prof. Amit Roychowdhury	Member	Prof. Souvonic Roy	Member
		Prof. Subrata Kr. Paul, HoD	Invitee
Department of Civil Engineering		Department of Chemistry	
		Prof. Binaykrishna Ghorai	Member
Prof. Kalyan Kr. Chatlopadhyay	Member	Prof. Anup Mondal	Member
Prof. Aparna (Dey) Ghosh	Member	Prof. Bibhutosh Adhikary	Member
Prof. Subrata Chakraborty	Member	Prof. Ajit Kumar Mahapatra	Member
Prof. Kalyan Bhar	Member		Member
Prof. Sudip Kr. Roy	Member	Prof.Prasanta Kumar Nandi	
Prof. Ambarish Ghosh	Member	Prof. Shyamal Kumar Chattopadhyay	Member
Prof.Anirban Gupta	Member	Prof.Sudip Kumar Chattopadhyay	Member
Department of Computer Science and Technology		Department of Electrical Engineering	
Prof. Asit Kumar Das	Member	Prof. Anindita Sengupta	Member
Prof.Sekhar Mandal	Member	Prof. Prasid Syam	Member
Prof. Jaya Sil	Member	Prof. Konika Das (Bhattacharyya)	Member
Prof. Uma Bhattacharya	Member	Prof. Chandan Kumar Chanda	Member
Prof. Sipra Das Bit	Member	Prof. Aparajita Sengupta	Member
Prof. Susanta Chakraborty	Member	Prof. Ashoke Sutradhar	Membei
Prof. Biblop Kr. Sikdar	Member	Department of Earth Science	
		Prof. Bhabani Prasad Mukhopadhyay	Member

Dept. of Electronics and Telecommunication Engg		Department of Mathematics		
Prof. Susanta Kr. Parui	Susanta Kr. Parui Member Prof. Sanat Kr. Majumder		Member	
Prof. Ayan Banerjee, HoD	Invitee	Prof. Parbati Saha	Membe	
Prof. Murari Mitra	Member	Prof. Asoke Kumar Dhar	Menibe	
Prof. Santanu Das	Member	Prof. Binayak Samadder Choudhury	Membe	
Prof. Santi Prasad Maity	Member	Prof. Tapan Kumar Roy	Membe	
Department of Human Resource Manage	Resource Management Prof. Guruprasad Samanta		Membe	
Prof. Manas Kumar Sanyal	Member	Prof. Pritha Das	Membe	
Department of Humanities and Social Science		Prof. Tapan Kumar Kar	Membe	
Prof. Rupen Basu Mallick, Associate Professor and Ho	oD Invitee			
Department of Information Technology		Department of Metallurgy and Materials Engg.		
Prof. Hafizur Rahaman	Member			
Prof. Arindam Biswas	Member	Prof. Swarup Kr. Ghosh	Membe	
Prof. Sukanta Das, Associate Professor and HoD	Invitee	Prof. Manojit Ghosh, HoD	Invitee	
Department of Mechanical Engineerin	g	Department of Physics		
Prof. Sujoy Kumar Saha	Member	Prof. Sukhendu Sekhar Sarkar	Membe	
Prof. Santanu Kumar Karmakar	Member	Prof. Dipali Banerjee	Membe	
Prof.Sisir Kumar Guha	Member	Prof. Krishnendu Mukherjee, Associate Professor and HoD	Invitee	
Prof. Partha Pratim Dey	Member	Students' Senate		
Prof. Subhas Chandra Mondal	Member	Shri Aman Kumar	Spl. Invitee	
Prof. Bijan Kumar Mandal	Member	-ill-		
Department of Mining Engineering				
Prof. Prabir Kr. Paul	Member	Deputy Registrar, Academic		
Prof. Netai Chandra Dey	Member	Dr. Nirmalya Kr. Bhattacharyya	Invitee	
Prof. Pratik Dutta	Member	Assistant Registrar, Academic		
Prof. Sudipta Mukhoadhyay	Member	Shri Shib Sankar Basak In		
Prof. Suranjan Sinha	Member			
Prof. Indranath Sinha	Member			



Registrar			
Dr. Biman Bandyopadhyay Secretary			
Following n	nembers were absen	1	
Department of Aerospace Engineering and Applied Mechanics		Prof. Salil Halder	Member
		Prof. Santanu Majumder	Member
Department of Architecture Town and Regional Planning		Prof. Arup Sarkar	Member
Department of Civil Engineering		Prof.Chaitali Ray	Member
		Prof. Debabrata Mazumder	Member
Department of Computer Science		Prof. Amit Kumar Das	Member
		Prof. Avijit Chakrabarty	Member
Department of Electrical Engineering		Prof. Abdur Rouf	Member
Department of Electrical Engineering		Prof. Biswarup Basak	Member
		Prof. Debabrata Roy	Member
Department of Mathematics		Prof. Jagabandhu De	Member
		Prof. Basudeb Mukhopadhyay	Member
Department of Mechanical Engineering		Prof. Apurba Kishore Dutta	Member
		Prof. Shyamal Chatterjee	Member
		Prof. Debasish Dutta	Member
Department of Physics		Prof. Mousumi Basu	Member
Expert member of the Senate		Prof.Jayanta Kumar Bhattacharjee	Member
Expert member of the Senate		Prof. S Gopalkrishnan	Member
Leave of absence gran	nted to the following	members	
Department of Computer Science and Technology		Prof. Sulata Mitra	Member
Department of Electrical Engineering		Prof. Mainak Sengupta	Member
Expert member of the Senate		Prof. Leena Chatterjee	Member

The Chairman welcomed the members and the invitees present in the online meeting. He then requested the Secretary to the Senate to put the item-wise agenda before the Senate. The Secretary placed the agenda before the Senate one by one for discussion.

Item No.28.01 Confirmation of the proceedings of the 27th meeting of the Senate held on October 22, 2020.

Resolution No. 28.01:

The draft proceedings of the 27^{th} meeting of the Senate held on 22^{nd} October 2020 were circulated among all concerned. The said proceedings were confirmed with the following modifications.

The Senate observed that there two posting errors in attendance records and noted that the following members were present in the 27th meeting of the Senate.

1. Prof. Rupen Basu Mallick, Associate Professor and HoD, Humanities and Social Science-Invitee

Page 3 of 10



2. Prof. Sukanta Das, Associate Professor and HoD, Electronics and Telecommunication Engineering -Invitee

Item No. 28.02 Confirmation of the proceedings of 16th Emergency meeting of the Senate held on 7th December 2020

Resolution No. 28.02:

The draft proceedings of the 16th Emergency meeting of the Senate held on 7th December 2020 were circulated among all concerned. The said proceedings were confirmed with the following modifications:

The Senate observed that there two posting errors in attendance records and noted that the following members were present in the 16th Emergency meeting of the Senate.

- 1. Prof. Shyamal Kr. Chattopadhyay, Professor, Department of Chemistry -member
- 2. Prof. Binayak S. Choudhury, Professor, Department of Mathematics -member

Item No.28.03 Action Taken Report on the resolutions adopted at the 26th meeting of the Senate held on July 25, 2020.

Resolution No. 28.03:

The Senate noted the Action Taken Report on the resolutions adopted at the 26th meeting of the Senate held on July 25, 2020.

Item No. 28.04 To consider the list of recipients of degrees to be admitted to various degrees of the Institute in the ensuing 7th Annual Convocation.

Resolution No. 28.04:

The Senate considered the list of successful candidates who have qualified for the award of various degrees (UG, PG, and Ph.D.) and the list of medalists of the Institute in the forthcoming convocation to be held on 30th January 2021. The Senate accepted the list and recommended the same for the conferment of degrees by the BOG. The Senate noted that to date a total number of Degree recipients in this Convocation will be 910. Degrees and prizes shall be awarded in this Convocation to a total of 482 Undergraduate students of 10 courses, 314 postgraduate students of different courses, 59 Dual Degree students of three courses, and 55 Ph.D. fellows who have completed their studies and passed the examinations during this period. The Senate also resolved that the candidates whose final Ph.D. vivavoce would be satisfactorily completed on or before January 15, 2021, shall also be considered for awarding degrees in this convocation. Medals will be awarded to 39 candidates who have secured the highest marks in different disciplines. The President of India Gold Medal shall be awarded to the student Sri Sayan Seal, CST Department who secured 1st position among the undergraduates of all ten engineering disciplines taken together. Ganesh Chandra Mitra Memorial Medal shall be awarded to the student Ms. Riya Das, Mathematics Department who secured 1st position among the postgraduates of all the disciplines taken together. Endowment medals shall also be awarded to the students who have stood first in their respective disciplines or have secured the highest marks in a particular subject.

Item No. 28.05 To ratify the approval of the Chairman-Senate with regard to the appeal of three students (one UG & two PG) for reviewing their performance in the last Academic Session.

Page 4 of 10

Resolution No. 28.05:

The Senate discussed the three cases in detail and ratified the decision of the Chairman, Senate.

Case I: Sri Kushal Biswas (Enrolment No. R-510518008), a first-year student of CST department took admission in the academic session 2018-2019 under old regulation and failed to get the promotion to 2nd year. However, he has been allowed to take readmission in 1st year under new regulation in the academic session 2019-2020 and again failed to get the promotion. Subsequently, Sri Kushal Biswas applied for one more chance for readmission in the first semester. The DUGC, Department of CST considered the appeal of Sri Kushal Biswas and recommended for his readmission in the first semester.

As per the old regulation if a student fails twice in the same year (in this case 1st year) he / she is declared CNC. As per new regulation, there is no provision of declaring as CNC. However, the student shall have to complete the course in eight years. The Chairman, SUGC recommended the matter to the Chairman-Senate for one more chance for readmission of the student in the first semester. On the recommendation of the Chairman, Senate, SUGC, and Dean (Academic), the Chairman-Senate approved it and advised to ratify the same in the senate.

CASE II: Mr. Wahid Rahaman, M.Tech 4th Semester student of EE Department was unable to submit his thesis in due course of time due to his illness as stated by him. The End Semester Examination for M.Tech 4th Semester students was held in July 2020. As per the old regulation, if a student is absent in appearing project/Viva, he is declared as FAILED. The student, Wahid Rahaman did not submit the thesis in due course of time due to his illness as stated by him and accordingly declared as FAILED. The student made an appeal to consider his case and to allow him to appear in the project-viva examinations.

As per the Internal Circular issued by the Secretary-Senate (No RDO/2912/20 dated 10th June 2020), the final year postgraduate students who are unable to complete their work because of lockdown may opt for an extension based on the recommendation of the concerned supervisor and DPGC.

On the recommendation of DPGC and SPGC the matter was placed before the Chairman-Senate with a remark by the Dean (Academic) that the student may be allowed to make a presentation and appear in the viva-voce examinations of the M.Tech program as a special case. The Chairman-Senate approved it and advised to ratify the same in the Senate. The Senate also noted that although the student completed his two years course in July 2020, due to the pandemic situation his case shall be considered sympathetically and he shall be awarded the degree in the ensuing convocation as a Special Case and shall not be referred to as precedence in future.

Case III: The End Semester Examinations for MURP 4th Semester students were held in July 2020. As per old regulation, if a student is absent in appearing project/viva, he will be declared as FAILED. Mr. Anand Krishna (Enrolment No 250218009) of Architecture T & RP Department did not appear in the viva-voce examination of the sessional subjects because of his illness as stated by him. The student made an appeal for allowing him to appear in the said examinations through his Supervisor.

As per the Internal Circular issued by the Secretary-Senate (No RDO/2912/20 dated 10th June 2020 the final year postgraduate students who are unable to complete their work because of lockdown, may opt for an extension as per the recommendation of the concerned supervisor and DPGC.

On the recommendation of DPGC and SPGC, the matter was placed before the Chairman-Senate with a remark by the Dean (Academic) that the student may be allowed to make a presentation and appear in the viva-voce examinations of the MURP program as a special case. The Chairman-Senate approved it and advised to ratify the same in the Senate.

The Senate also noted that the said examinations of Mr. Anand Krishna have not been conducted yet. The Senate noted the matter and resolved that the student will have to registrar again and, if passed the examination, shall be awarded a degree in the next year convocation (for the AY 2020-2021).

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Item No.28.06 To consider the report of the committee on merging of CEGESS & MNDSMSE.

Resolution No. 28.06:

The Senate considered the draft report prepared by the committee constituted vide Order No (RDO/3009/20 dated 07/07/2020) to look into various aspects of clubbing MNDSMSE & CEGESS. The Senate discussed in detail the recommendation of the committee and also the necessity of merger of the school and the center because of optimum utilization of manpower, research facilities, infrastructure, and resources, and approved the draft report submitted by the committee.

The Senate also resolved to constitute the following Committee to prepare a status report of the other Schools/Centers for optimum utilization of manpower, infrastructural facilities, and resources.

1. Prof. Kalyan Kumar Bhar, Dean (P&D)	Chairman
2. Prof. Sudip Kumar Roy, Dean (Academic)	Member
3. Prof. Shymal Kumar Chattopadhyay Chairman, SPGC	Member
4. Prof. Rana Roy, Associate Dean (Academic)	Convener

The committee will submit the report within one month of formation.

Item No.28.07 To consider the recommendation of the committee on regulation of three (03) year postgraduate programmes for working professional in engineering/ technology and subsequent recommendation of SPGC regarding the course structure and syllabus of three (03) year M.Tech. programmes in (i) Civil Engineering, and (ii) Metallurgy and Materials Engineering Disciplines.

Resolution No. 28.07:

In order to enhance the knowledge base of working professionals, who could not complete their post-graduation in engineering as a fulltime regular student, part-time postgraduate program was conceptualized as per the earlier decision of the Senate. The primary aim of the program was to enhance interactions with the industry which in turn would improve the focus in industry-driven research as well as consultancy projects and increase the opportunity for students' placement and internship.

The Senate in its 25th meeting constituted a Committee under the Chairmanship of the Dean (Academic) to recommend the generic course structure, rules/regulation, and admission procedures for these two programs. The course structure and the rules/regulation of the course prepared by the committee and were placed for consideration of the Senate. The Senate discussed it and approved the same.

The Senate also discussed the draft ordinance for the Master of Technology Programme for Working Professionals prepared by the Committee which was presented by Dean (Planning and Development). The members of the Senate suggested certain modifications for the eligibility criteria, course completion time, and departments who might offer such Programs. Those modifications were incorporated into the draft ordinance, and the Senate approved the ordinance. The Senate further resolved that the program might start from the beginning of the next semester, subject to the approval of the BOG. For that purpose, the draft ordinance accepted by the Senate may be submitted to the Board in the forthcoming meeting of the BOG for consideration and approval.

The Senate also resolved that the Registrar in consultation with the other Officials and Deans shall prepare a proposal on the financial aspect of the course and shall place it to the Director.

Item No. 28.08 To consider granting financial assistance to Shri Udai Narayan Guria, Ph.D. Research Scholar in Dept. of the Chemistry.

Resolution 28.08:

Page **6** of **10**



Sri Udai Narayal Guria, a Research Scholar in the Department of Chemistry was earlier a project fellow in a sponsored research project. He applied for financial assistance from the Institute after completion of the tenure of the project. However, he could not fulfill the Senate-approved criterion of spending at least two years on a project (short by 69 days) and thus the financial assistance could not be awarded to him. It is reported by the Dean (SW) that the student is in acute financial distress condition. However, he is pursuing his doctoral work sincerely and would shortly submit his thesis.

The matter was discussed elaborately and it was resolved that the Coordinator, TEQIP-III will explore to provide some financial support to the scholar from TEQIP fund and Dean (Student Welfare) will explore possibilities to provide some financial support from the Student Welfare Fund.

Item No. 28.09 Report on admission of students in various Undergraduate, Postgraduate and PhD programmes of the Institute in the Academic Session 2020-2021,

Resolution No. 28.09:

The Senate noted the following report regarding admission of students in various Undergraduate, Postgraduate and PhD programmes of the Institute in the Academic Session 2020-2021.

1. Postgraduate Admission: Admission to M.Tech / M.Plan was done through CCMT-2020 and that of M.Sc was done through CCMN-2020. Provisional admission into M.Tech / M.Plan / M.Sc / MBA Programme through online mode at our Institute was performed.

The Admission status is as follows.

	Programme	PG		
SI No		Seat Matrix	Admitted	
1	M.Tech/MOP	444	369	
2	M.Sc	200	145	
3	MBA	60	22	
	Total	704	536	

The Senate observed that the seats of the Earth Science Department remained unfilled primarily because of changing the eligibility criteria proposed by the Department for the course. The Senate recommended that the Department of Earth Science must review the eligibility criteria in the light of eligibility criteria prescribed by other Institutions for similar courses.

2. Ph.D. Admission: As per advertisement No. RO/JL/20/51 dated 07.07.2020 for admission to the Ph.D. program July cycle 2020, based on online interview (held during September 25, 2020, to October 13, 2020) vide Notice No. 1835/Exam dated 23.09.2020, on Google Meet platform, the total number of candidates enrolled for the Ph.D. program, July cycle 2020 in different categories of Ph.D. admission in various Departments / Centres / Schools are as follows [Note that total no. of applications received 412; total no. of candidates appeared for interview: 295; total no. of candidates enrolled: 80]:

•	Regular Candidates with Institute fellowship:	58
•	Candidates with Individual Fellowship:	15
•	Candidates from Sponsored Research Project:	01
	Candidates from Sponsored Category:	06

3. Undergraduate admission (Academic Session 2020-2021)

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Through Jossa and CSAB 749 students have been admitted in the first year UG program out of 764 seats. In addition, 5 students were admitted through DASA, 4 students through NEUT, and 2 students through MEA.

Department	JoSAA/CSAB	CSAB NEUT	DASA	MOE	Total
AE&AM	48	0	0	0	48
ARCH	24	1	0	0	25
CE	141	0	0	0	141
CST	96	0	2	2	100
EE	92	0	0	0	91
ETC	63	0	1	0	64
İT	95	0	2	0	97
ME	96	2	0	0	98
MET	47	0	0	0	47
MIN	47	1	0	0	48
Total	749	4	5	2	760

The Senate also noted that though as per the sanction of the Council of Architecture, the approved student strength in the B. Arch. program is 24. However, this year 25 students have been admitted as CASB-NEUT allotted one supernumerary seat in this program. Thus there would be a problem in getting registration from CoA for all 25 students. The Senate discussed this issue and resolved that Dean (Academic) in consultation with HoD, AT &RP shall make correspondences with the Ministry of Education / Council of Architecture / CSAB to resolve this issue.

Item No. 28.10 To consider the MoU between The Curators of the University of Missouri on behalf of Missouri University of Science and Technology, USA and HEST, Shibpur.

Resolution 28.10:

The Senate noted that a draft MoU prepared by the IIEST, Shibpur was sent to Missouri University of Science and Technology (MST) who in turn proposed a draft. The Senate considered the draft MoU with Missouri University of Science and Technology proposed by them. The Senate observed that the IPR clause has not been included in the draft proposed by MTS. The Senate discussed this matter and resolved that IPR has to be included in the MoU following the MHRD Guidelines concerning the agreement with foreign Institute in this regard and sent to the Missouri University of Science and Technology for consideration. The final revised MoU has to be placed in the Senate subsequently for approval.

Item No. 28.11 To consider the case of Shri Subham Srivastava, M.Tech. Student of Dept. of Mining Engineering regarding granting permission for carrying out his M.Tech. project work in his present work place where he is presently employed.

Resolution 28.11:

The matter has been discussed at length. Considering the job scenario, Shri Subham Srivastava has been allowed to carry out his M.Tech. project work, while on the job. However, he has been advised to select a co-supervisor from his Organization. Similar benefits may be extended to other cases in the future. He shall have to undertake the necessary registration in the next semester. It was recommended to take

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necessary action to make the required amendment in the postgraduate ordinance to create provisions for the students of PG 3rd semester to continue the course while joining a job.

Item No.28.12 To consider List of Ph.D. awardees since the last convocation held on January 31, 2020.

Resolution 28.12:

It has been noted by the Senate that after the 6th Annual Convocation held on January 31, 2020, a total of 58 candidates were admitted to the Ph.D. degrees after successful completion of all the requirements. The Chairman-Senate congratulated all the supervisors under whose guidance the candidates were awarded the Ph.D. degrees. The Senate also noted that this number may increase to eighty by the prescribed last date (15.01.2021) for the forthcoming Convocation.

Item No. 28.13 To consider the recommendation of the SUGC on the modified detailed final draft syllabi of B.Arch 2nd year (3rd and 4th Semester) as per the new undergraduate Ordinance of the Institute.

Resolution 28.13:

The Senate in its 26th meeting dated 26.07.2020 resolved that the modified Course Structure of the 10-Semester B.Arch. program along with the detailed syllabi of the courses of B. Arch. 2nd Year (3rd & 4th Semesters) be brought back to the Senate after their due adoption in the DUGC and BOAC of the Dept. of Architecture, Town and Regional Planning.

The Senate noted that the syllabi and the course structures have been duly endorsed by the DUGC on the basis of the recommendation of the BOAC and subsequently placed to the Chairman SUGC. The Chairman SUGC has placed the 10-Semester B.Arch. program along with the detailed syllabi of the courses of B. Arch. 2nd Year (3rd & 4th Semesters) before the Director for consideration of the Senate. The Senate considered the recommendations and approved the modified course structure.

Item No. 28.14 To consider the recommendation of the SPGC on the 2nd year Course Structure and Syllabus of various postgraduate (M.Tech/MOP/MSc/MBA) programmes of the Institute.

Resolution 28.14:

The course structure & syllabus of M.Tech, MOP, M.Sc & MBA for 1st to 4th Semester recommended in the respective DPGC, BoAC, and also by the SPGC were placed before the senate. No comments were received on the recommendation of the SPGC. The Senate considered the recommendations of the SPGC and approved the 2nd year Course Structures and Syllabi of various postgraduate (M.Tech/MOP/MSc/MBA) programs of the Institute.

Item No. 28.15.M1 To consider the proposal of opening M.Tech in Aerospace Engineering.

Resolution 28.15.M1:

The Senate discussed in detail the proposal of the Head, Aerospace and Applied Mechanics on the opening of a new M.Tech. program in the department. The Senate noted that that the introduction of a new course is subject to the approval of the BoG and there are some conflicting observations of faculty members of the department on several issues. Further, the HoD HRM also expressed that before starting any new regular academic program the job opportunity of such program should be explored. After a

Page 9 of 10



detailed discussion, the Senate resolved that the proposal may be revised by the Department and sent to SPGC for consideration. The recommendation of the SPGC may be placed thereafter before the Senate for consideration.

Item No. 28.15.M1: To note the change in the committee of the Senate Under Graduate Committee constituted vide order no. RMS/9408/19 dated 30th August, 2019

Resolution 28.15.M1:

The Senate noted the approval of the Chairman, Senate regarding the following changes in the Committee of the Senate Under Graduate Committee constituted vide order no. RMS/9408/19 dated 30th August, 2019

- i) inclusion of Prof. Chaitali Roy as one of the members
- ii) Prof. Debjani Ganguli as the convener in place of Prof. Ambarish Ghosh and
- the existing four student members in the SUGC committee shall continue in the Committee till new students are nominated.

Item No. 28.15.M2 To consider the Academic Calendar for the Academic year 20-21.

Resolution 28.15.M2:

The Dean (Academic) pointed out that the finalisation of the calendar for the Academic Year 2020-21 is necessary. The Senate discussed the issue and resolved that Dean (Academic) shall prepare a Calendar after discussing with HOD, HRM, and mail the same to the Senate members for their opinion. Subsequently, it would be placed before the Chairman, Senate/Senate for approval,

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

(Dr. Biman Bandyopadhyay)

Registrar, IIEST, Shibpur & Secretary to the Senate

Approved

(Prof. Parthasarathi Chakrabarti)

Chairman, Senate and Director, HEST, Shibpur