proceedings of the 29th meeting of the Senate held online via Google Meet platform on 1st July, 2021 at 3 p.m.

The 29th meeting of the Senate was held online on Thursday, 1st July, 2021 at 3 p.m. The following members and invitees participated.

Chairman, Senate

2. Prof. Amit Roy Chowdhury 3. Prof. Koustuv Debnath 4. Prof. Santanu Majumder 5. Prof. Sustaw Debnath 6. Prof. Rana Roy 7. Prof. Sujay Kumar Mukherjea Department of Architecture Town and Regional Planning 8. Prof. Adiiya Bandyopadhyay 9. Prof. Seya Mitra 10. Prof. Partha Sarathi Mukhopadhyay 11. Prof. Souvanic Roy 12. Prof. Subrata Kumar Paul 13. Prof. Aparna (Dey) Ghosh 14. Prof. Ambarish Ghosh 15. Prof. Aniban Gupta 16. Prof. Chaitali Ray 17. Prof. Sudyan Kumar Chattopadhyay 18. Prof. Sulyan Kumar Chattopadhyay 19. Prof. Subrata Kumar Paul 20. Prof. Subrata Kumar Chattopadhyay 31. Prof. Aparna (Dey) Ghosh 42. Prof. Subrata Kumar Mandapatra 43. Prof. Sulyan Kumar Chattopadhyay 44. Prof. Sulja Kr. Roy 45. Prof. Sulja Kr. Roy 46. Prof. Sulja Kr. Roy 46. Prof. Sulja Kr. Roy 47. Prof. Sulja Kr. Roy 48. Prof. Sulja Kumar Chattopadhyay 49. Prof. Sulja Kr. Roy 40. Prof. Sulja Kumar Chattopadhyay 40. Prof. Sulja Sil 40. Prof. Silya Das (Bit) 40. Prof. Sulja Mitra 40. Prof. Uma Bhattacharya 40. Prof. Uma Bhattacharya 40. Prof. Uma Bhattacharya 40. Prof. Uma Bnattacharya	1.	Prof. Parthasarathi Chakrabarti, Director	Chairman
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64. Prof. Amitava Basu Mallick Member	Department of Metallurgy and Materials Engineering	
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		Invitee

Department of Mining Engineering

66. Prof. Indranath Sinha
 67. Prof. Netai Chandra Dey
 68. Prof. Sudipta Mukhopadhyay
 Member
 Member

Department of Physics

69. Prof. Dipali Banerjee
 70. Prof. Mousumi Basu
 71. Prof. Syed Minhaz Hossain

Member
Invitee

Other Invitee

72. Dr. Nirmalya Kr. Bhattacharyya, Deputy Registrar (Academic)

73. Mr. Shib Shankar Basak (Assistant Registrar)

Invitee

Special Invitees

74. Sri Aman Kumar, Asst. General Secretary, Students' Senate Special Invitee

Secretary

Prof. Rana Roy

Secretary, Registrar (Acting)

Leave of absence granted to the following members:

Department of Electrical Engineering

1. Prof. Konika Das (Bhattacharya)

Expert members of the Senate

1. Prof. Leena Chaterjee

Following members were absent:

Department of Aerospace Engineering and Applied Mechanics

1. Prof. Salil Halder

Department of Architecture Town and Regional Planning

- 1. Prof. Arup Sarkar
- 2. Prof. Swati Saha

Department of Civil Engineering

1. Prof. Debasish Moitra

Department of Chemistry

1. Prof. Anup Mondal

Department of Computer Science and Technology

- 1. Prof. Susanta Chakraborty
- 2. Prof. Amit Kumar Das

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Department of Earth Science

1. Prof. Bhabani Prasad Mukhopadhyay

Department of Electrical Engineering

- 1. Prof. Avijit Chakraborty
- 2. Prof. Biswarup Basak
- 3. Prof. Abdur Rouf

Department of Electronics and Telecommunication Engineering

- 1. Prof. Monojit Mitra
- 2. Prof. Ayan Banerjee

Department of Mathematics

- 1. Prof. Tapan Kr. Roy
- 2. Prof. Murari Mitra

Department of Metallurgy and Materials Engineering

1. Prof. Swarup Kr Ghosh

Department of Mining Engineering

- 1. Prof. Prabir Kumar Paul
- 2. Prof. Pratik Dutta

Department of Physics

1. Prof. Sukhendu Sekhar Sarkar

Expert members of the Senate

- 1. Prof. Jayanta Kumar Bhattacharjee
- 2. Prof. S Gopalkrishnan

Item No.29.01 Confirmation of the proceedings of the 28th meeting of the Senate held online on 23rd December, 2020 at 3p.m.

Resolution 29.01:

The draft proceedings of the 28^{th} meeting of the Senate, circulated earlier, have been confirmed along with the following modifications.

- (a) About the Item no 28.06, the committee proposed earlier has been modified. Prof. Sudip Kumar Roy, Dean (Academic) would act as Chairman, Prof. Susanta Chakraborty, Professor-CST would be included as a member, and Dr. Nirmalya Kumar Bhattacharyya, DR(Academic) would function as convener and Chairman, SPGC would continue as a member.
- (b) Name of Prof. S. P. Maity is placed against the Department of Electronics and Telecommunication Engg. The name of Prof. Manojit Mitra has been missed in the attendance record.
- Item No. 29.02 Confirmation of the proceedings of the 17th Emergency meeting of the Senate held on January 05, 2021.

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Resolution 29.02:

The proceedings of 17th emergency meeting of the Senate, circulated earlier, have been confirmed with the modification that the leave of absence has been granted for Prof. Debasis Datta, Professor, Mechanical Engineering Department, Prof. Sujoy Kumar Shaha, Professor, Mechanical Engineering Department, and Prof. Parthasarathi Mukhopadhyay, Professor, Department of Architecture, Town and Regional Planning Department.

Item No.29.03 Confirmation of the proceedings of the 18th Emergency meeting of the Senate held on March 17, 2021.

Resolution 29.03:

The proceedings of the 18th emergency meeting of the Senate, circulated earlier, have been confirmed. As per the observation from Prof. P. S. Mukhopadhyay, Department of Architecture, Town and Regional Planning; the completion of the project thesis for B.Arch 10th Semester has been approved as 26.06.2021.

Item No.29.04 Confirmation of the proceedings of 19th Emergency meeting of the Senate held on April 07, 2021.

Resolution 29.04:

The proceedings of the 19th emergency meeting of the Senate, circulated earlier have been confirmed, and leave has been granted for Prof. Debasis Datta, Mechanical Engineering applied for leave.

Item No.29.05 Confirmation of the proceedings of 20th Emergency meeting of the Senate held on May 06, 2021.

Resolution 29.05:

The proceedings of the 20th emergency meeting of the Senate, circulated earlier have been confirmed as is.

Item No.29.06 To ratify the decision of the Chairman, Senate regarding the date of the 7th Annual Convocation.

Resolution 29.06:

The Seventh Annual Convocation earlier scheduled on 30.01.2021 was postponed. The seventh annual Convocation has been conducted on June 30, 2021, in ONLINE mode. The Chairman-Senate congratulated all concerned conducting the Convocation successfully. Members also expressed their happiness on the overall program.

Item No.29.07 To report the approval of the Chairman Senate regarding Supplementary Examinations of 2nd Semester for the UG students who took admission in 2019.

Resolution 29.07:

The students who took admission in 2019-2020, did not get a chance to appear at Supplementary Examinations within one year due to pandemic situation and as a result, they were unable to clear their backlog subjects. The 2nd Semester result for those students was prepared based on several components including SGPA of first-semester examination. It was proposed by the Dean (Academic) that if these students would be able to clear the 1st Semester backlogs, then the SGPA of 1st& 2nd Semester for those students would be changed, accordingly, all of these students may not have supplementary in those subjects. The Chairman-Senate approved it earlier and it was ratified in this Senate meeting.

Item No.29.08 To report the approval of the Chairman Senate regarding resolution of 3rd meeting of SUGC held on 22.03.2021.

Resolution 29.08:

The report of SUGC concerning the resolution of the 3rd meeting held on March 22, 2021, was approved by the Chairman-Senate and accordingly ratified. In this regard as requested by the Dean(Academic), the resolution of the 4th meeting of SUGC held on July 08, 2021 was placed and accordingly approved by the Senate.

Item No.29.09

- (i) To consider the note of the Dean (Academic) with regard to the application of Mr. Rajib Majumdar, Ph.D. Scholar (Enrollment No 20190047), EE Department regarding continuation of Ph.D. after joining an Industry.
- (ii) To consider the note of the Dean (Academic) with regard to the application of Mr. Manikanchan Mondal, M.Tech Student (Registration No 320619023), EE Department regarding continuation of Ph.D. after joining an Industry.

Resolution 29.09:

Sri Mani Kanchan Mondal, a 3rd Semester Student of M.Tech. (at the time of application) programme in the Electrical Engineering Department got a job of Assistant Engineer in WBSEDCL. He joined the job on 1st December 2020. He, thereafter, applied for permitting him to continue the M.Tech. course. The matter was strongly recommended by his Supervisor DPGC agreed with the opinion of allowing Sri Mondal to submit the progress report and recommended to forward the application to SPGC for its further action. The Chairman, SPGC thereafter requested the Head EE Dept. to check the provision of 5.1.1.(k) of PG Ordinance in respect to this application. DPGC recommended one domain expert from WBSEDCL as an external Supervisor. The CGPA of the student up to 2nd Semester was 8.0. The SPGC thereafter recommended that the student may be allowed to continue in the M.Tech program. Mr. Sujit Golder, Divisional Engineer, WBSEDCL, was allowed as a local Supervisor of Sri Mondal.

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The matter was placed before the Director who directed to place it in the Senate. The Senate after detailed deliberation resolved that the student shall be allowed to work his fourth Semester thesis work jointly under the supervision of his Supervisor at EE Dept. and also the expert at WBSEDCL.

Sri Rajib Majumder, Enrollment No. 20190047 dt. 17-07-2019 of Electrical Engineering Department joined in the Doctoral Programme of the Institute Scholar and later he joined in a job at Indian Railway. He applied for continuing in the Ph.D. program. He acquired 13 credits through course work and other requirements of Ph.D. registration. DPGC strongly recommended his application with the comment that the Ph.D. work of the candidate is solely simulation-based with no requirement of special experimental setup or laboratory involvement. The candidate has submitted NOC for continuing Ph.D. program from Indian Railway. DPGC recommended continuing as a PhD Scholar under the Head "other candidate" as per provision 6 (VIII) of the current Ph.D. ordinance. The Chairman SPGC opined, based on the recommendation of DPGC, that the matter to be placed before the Senate to take a policy decision whether a student admitted as Institute fellow can later change the category as "other candidate" The matter was placed before the Senate for consideration.

Since the Scholar is only at his initial part of the Ph.D. program and as per the present Ordinance there is no provision for changing the status, the Senate after detailed deliberation did not consider this appeal, and accordingly **the application was rejected**.

Item No.29.10 To consider the recommendation of SPGC regarding the appeal of Sri Dipankar Chakraborti, Research Scholar, HSS.

Resolution 29.10:

Recommendation of SPGC regarding the appeal of Sri Dipankar Chakraborti, Research Scholar, HSS.

Mr. Dipankar Chakraborty enrolled in the Department of Humanities and Social Sciences w.e.f. 08.04.2015 under the supervision of Dr. Madhumati Dutta and Dr. Manasendu Kundu, UCSB & VL as approved by the Dean (Academic). Mr. Chakraborty completed the necessary course works long back in May 2017; however, could not register yet. Since neither of his supervisor is in regular position at the Institute, DFC of HSS on 02.03.2020 resolved to transfer the enrolment to Department of Architecture, Town and Regional Planning as Prof. Souvanic Roy has consented to act as the supervisor on 26.02.2020. The matter was placed before the SPGC and SPGC opined that Sri DipankarChakraborty may be allowed to do registration for the Ph.D. program from the HSS department under the supervision of Prof. Souvanic Roy of Department of Architecture, Town and Regional Planning. The registration will be as per the new Ordinance of 2020 and Sri Chakraborty has to submit the thesis within five years after his date of registration.

The matter was discussed elaborately in the Senate keeping the relevant observations of the DPGC, Associate Dean (Academic), Dean (Academic), Chairman, SPGC in view. It has been resolved that the HoD, HSS shall interact with the scholar, Prof. Souvanic Roy, and faculties of HSS who are eligible to supervise a Ph.D. thesis. Accordingly, a supervisor from HSS shall be allotted and Prof. Souvanic Roy, Department of Architecture, Town and Regional Planning may act as co-supervisor of Sri Dipankar Chakraborti. His candidature may be formalized in the next meeting of the Doctoral Committee in which the scholar may register.

Item No.29.11 To consider the note of the Chairman-SPGC regarding modalities of gradation of the NPTEL courses for the Ph.D. Coursework.

Resolution 29.11:

As per the Ordinance of the Doctoral program, a candidate, on recommendations of his RPEC, and, with approval of DPGC, may register for an NPTEL course of duration 12 or more weeks, as part of his credit courses. The said ordinance also stipulates "A PG-level online course of 12-weeks duration will fetch 3 credits. The percentage marks obtained in NPTEL courses will be considered for awarding letter grades and CGPA calculation as per the post-graduate regulation at IIEST Shibpur. The student has to submit the grade card / mark sheet / certificate of the completed course to the RPEC, which will be sent to the Examination Section through DPGC for inclusion in the mark sheet." At present, as per a previous decision of the Senate, the conversion of the percentage of marks obtained by a research scholar to letter grade is done by the respective RPEC. However, in the 6th meeting of the SPGC, held on 7th November 2020, most of the members recommended that "for the sake of maintaining uniformity, the conversion of the marks to grades should be carried out centrally by the office of the Controller of examination. Thus, the issue may be placed before the Senate for further consideration."

Senate has after deliberation resolved that the scholar shall submit the NPTEL grade card / mark-sheet / certificate to the Dean (Academic). Office of the Dean (Academic) shall convert the marks to grade following the provision of the current postgraduate Ordinance and accordingly Deputy Registrar (Academic) shall issue a certificate.

Item No.29.12 To consider the note of the Dean (Academic) regarding policy of Internship for UG students.

Resolution 29.12:

The internship is a significant component of engineering education. Every year almost all pre-final year students undertake internships at various organizations during vacation. The 2nd year students also take on an internship. Some students prefer academic institutions. However, most of them go to the industry of

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their respective discipline/field of interest. Students sometimes apply for internships under different programs. In many cases, the students select the internship by themselves. But in some cases, Institute provides the internship information to the students. Almost all students require endorsement from the Institute for undertaking internship before joining and in some cases, they need approval at the time of submission of the application. From next year in the 7th semester, a 2 credit course will be in the curriculum on performance in the internship. However, there is no formal norm for according approval/endorsement for internship to a student by the Institution. A norm is suggested by the Dean (Academic) and placed before the Senate for consideration.

After a detailed discussion, the Senate rejected the norm suggested by the Dean (Academic). It was resolved that Dean (Academic) along with Head, Human Resources Management shall propose a fresh norm taking the cognizance of the Heads of the departments and shall place it in the next meeting of the Senate.

Item No.29.13 To consider the note of the HOD- Architecture, Town and Regional Planning regarding the proposal to rechristen the Department of Architecture, Town and Regional Planning.

Resolution 29.13:

The DFC of Architecture, Town and Regional Planning Department has recommended in favor of having a new name for the Department to accommodate the introduction of a new program under the broad domains of Architecture and Planning. The proposed new name is the Department of Architecture and Planning. As per provision of Section 8(Xiii) of the Statue of the Institute, Senate has the power to make a recommendation to the Board concerning creation or restructuring of the Department or School as the case may be and abolishing of existing Department, School or Centre. The recommendation of the DFC of Architecture, Town, and Regional Planning has been placed before the Senate.

Senate accepted the proposal and the recommended that the Registrar shall place it in BOG for consideration and approval.

Item No. 29.14 To consider note of the Head- School of Mechatronics & Robotics regarding the renewal of agreement between HESTS & CSIR Laboratories for School of Mechatronics & Robotics

Resolution 29.14:

School of Mechatronics and Robotics (SMR) has been offering an M.Tech. program in Mechatronics in collaboration with three CSIR laboratories, viz., CSIR-CEERI Pilani, CSIR-CMERI Durgapur, and CSIR-CSIO Chandigarh. The collaboration formally started in February 2007 was renewed in 2010,

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2013, and 2017 respectively. The latest Agreement between IIESTShibpur and the said CSIR laboratories made on 26.02.2017 is valid for three years and four months, i.e., up to June 2021. After detailed discussion in the 27th Senate held on 22.10.2020, the Senate approved for renewal of the agreement with CSIR for the students who took admission in 2020-2021. CSIR laboratories primarily support the supervision of M.Tech. thesis to our students. Since the present Agreement shall expire in June 2021; M.Tech. students admitted in Academic Year 2020-2021 cannot be allotted. Against this backdrop, several communications have been made to the Coordinators of the concerned laboratories. Subsequently, CSIR-CEERI has agreed to the renewal on 03.11.2020. From the communications (such as a recent one on 05.01.2021), it appears that CSIR-CMERI is willing for the renewal. Unfortunately, after several communications, no response from CSIR-CSIO is yet received. Based on preliminary scrutiny through the relevant website and some personal communications, it appears that the scientists of CGCRI, Kolkata generally do not work in the field of Mechatronics and Robotics. Following the submission of the note above by the Head, SMR on 09.03.2021; Dean (Academic) suggested that the MoU may be renewed with CSIR-CEERI and CSIR-CMERI after a final correspondence to CSIO. Dean (Academic) further noted that the requirement for compulsory collaboration with CSIR laboratories for thesis work be reviewed since such requirement does not exist for other programs in IIEST, Shibpur.

Based on the note from the HoD and subsequent discussion, it has been approved by the Senate.

Item No.29.15 To note the order of Ministry of Education, GOI, regarding the relaxation in eligibility criteria under JEE (Main) for the AY 2021-2022 in view of COVID-19 Pandemic.

Resolution 29.15:

The Ministry of Education, GoI in its letter (no F.No 37-2/2019-TS.III dated 21st January 2021) mentioned that the competent authority has approved to extend the relaxation in the eligibility criteria under Joint Entrance Examination (Main) for the next Academic Year 2021-2022 considering the prevailing COVID-19 circumstances and ease of the aspiring students. Accordingly, JEE(Main)-2021 qualified candidates will now only need a passing certificate in the Class XII Examination irrespective of the marks obtained. The relaxation shall be applicable for the Academic Year 2021-2022 only. CSAB shall follow all other conditions for admissions to UG Programme.

The Senate noted it.

Item No.29.16 To note the list of scholars provisionally awarded with Ph.D degree since 28th Senate Meeting.

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Resolution 29.16:

It has been observed that since the last Senate meeting held on December 23, 2020, the total number of Ph.D. awardees is **45**. A list of the awardees along with the names of the Supervisors was placed before the Senate. The Chairman congratulated the awardees and the Supervisors for commendable work.

Item No. 29.17 To consider the proposal from CCMN — 2021 allowing B.Tech. students along with the JAM rank to take admission in MSc programme.

Resolution 29.17:

After approval of the special eligibility criteria for CCMN 2021, an intimation was received from the organizing institute of CCMN 2021 regarding consideration of B Tech degree along with the JAM rank in the suitable branch along with JAM rank for admission in M Sc. . Since this policy issue would require the consent of the Senate which would not be feasible before the last date of data uploading, with the approval of the Director it was decided that this year the Institute shall proceed with the decision that has been already taken and B Tech. degree shall not be considered for eligibility criterion in any MSc program in CCMN2021.

It was reported in the Senate and decided that the matter would be discussed in any subsequent Senate before CCMN 2022.

Item No.29.18 To consider the note of Dean (R & C) regarding the policies and guidelines of the Institute for establishment of MOU/Agreement with the Academic Institutes, Research Organizations & Industry.

Resolution 29.18:

As per the resolution of Item no. 26.08 of the 26th Senate meeting regarding policies and guidelines of the institute for the establishment of MoU/ Agreement with Academic Institutes, Research Organization, and Industry, the document has been further edited and fine tuned in consultation with Dean (P&D). Also, different collaboration agreement draft guidelines have been prepared for Exchange of Students/Staff/Faculty, Exchange of Student Agreement, Consultancy Project, Technology Transfer Agreement, Funding Agency, Inter-institutional Agreement, Non-Disclosure Agreement (IIEST, Shibpur as disclosing party), Non-Disclosure Agreement (IIEST, Shibpur as receiving party).

The policies and guidelines for the establishment of MoU / Agreement with Academic Institutes, Research Organization and Industry along with different collaboration agreement draft guidelines for Exchange of Students/Staff/Faculty, Exchange of Student Agreement, Consultancy Project, Technology Transfer Agreement, Funding Agency, Inter-institutional Agreement, Non-Disclosure Agreement (IIEST, Shibpur as disclosing party), Non-Disclosure Agreement (IIEST, Shibpur as receiving party) were prepared and further edited / fine-tuned by Dean (R&C) in consultation with Dean (P&D). The document

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was circulated among the Senate members. Dean (R&C) informed that the agreement includes the process of dispute/conflict resolution. After discussion, the Senate approved the policies and guidelines for the establishment of MoU / Agreement with Academic Institutes, Research Organization, and Industry along with different collaboration agreement draft guidelines and mentioned that before signing any MoU / Agreement document, the legal cell of the institute should be consulted with.

Item No.29.19.M1: To consider the nomination of two members of the Senate of the Institute as members of the Board of Governors (BoG), IIEST, Shibpur for a duration of two years.

# Resolution 29.19.M1:

The tenure of present members of the Senate of the Institute as members of the Board of Governors (BoG), IIEST, Shibpur, viz., Prof. Shyamal Kumar Chattopadhyay, Department of Chemistry and Prof. Aditya Bandyopadhyay, Department of Architecture, Town and Regional Planning shall expire on 16.07.2019 (refer to Order No. RMS/9277/19 dated 17.07.2019). Hence, two members may be urgently nominated and the necessary protocol may be decided.

It has been decided that the process for nomination of BOG members from the Senate shall be undertaken by the Registrar and necessary Notification shall be issued immediately.

Item No.29.19.M2: To consider the appointment of Head for two years duration in Schools and Centre.

## Resolution 29.19.M2:

As the Schools and Centres do not have any Professor or Associate Professor and the other regular faculty members are Assistant professors (Contract), these academic departments are being headed by any Professor from any other departments for a period not exceeding 6 months. This is administered following the provision of the statute (Clause 20(3)). However, the 6 months tenure of a head is highly disturbing the academic and research activities of these academic units. Very recently two such units viz., CEGESS and MNDSMSE were merged to form the School of Advance Materials, Green Energy, and Sensor System (SAMGESS). If the School cannot be headed by any regular Professor / Associate Professor for longer duration (more than 6 months) all activities may not be undertaken in a proper, coordinated manner with a longer vision. Therefore, measures may be taken to engage a Head for two years in all academic units, particularly at SAMGESS. The matter has been placed before the Senate for consideration.

The Senate considered the matter. It was resolved the willing regular Professors of the departments may be associated with the Schools / Centres of their area of research. Among the associated Professors Heads may be engaged for two years duration. The Registrar shall initiate necessary action to formulate this process and seek the approval of BoG in the matter

Item No.29.19.M3: To extend the date of conducting viva of the term paper of the 2<sup>nd</sup> semester postgraduate students.

Resolution 29.19.M3:

The Dean (Academic) placed that as per the approved academic calendar of AY 2020-21, the last of conducting viva of the term paper of the 2nd-semester postgraduate students has been scheduled as .09.07.2021. However, the marks entry portal for 2<sup>nd</sup> semester PG shall take some more days to become active. Because of this to provide more time to the students to prepare better term paper the last date for conducting term paper viva voce examination of the 2nd semester postgraduate students may be extended commensurate with the last date of submission of marks and accordingly the last date of conducting viva may be finalized by the Director.

The Senate approved the proposal.

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

(Prof. Rana Roy)

Registrar, IIEST, Shibpur & Secretary to the Senate

Approved

(Prof. Parthasarathi Chakrabarti)

Chairman, Senate and Director, IIEST, Shibpur

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