

**MINUTES OF THE 95<sup>th</sup> MEETING OF THE  
BOARD OF GOVERNORS HELD ON  
19.12.2018**

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**INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI**

**MINUTES OF THE  
NINETY FIFTH MEETING OF THE BOARD OF GOVERNORS  
HELD ON 19<sup>th</sup> DECEMBER , 2018**

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The Ninety Fifth Meeting of the Board of Governors of the Institute was held on 19.12.2018 in the Conference Room of the Institute Guest House and the following members were present:

- |    |                         |  |
|----|-------------------------|--|
| 1. | Dr. Rajiv I Modi        | Chairman (through video conferencing)              |
| 2. | Prof. Gautam Biswas     | Director/Member                                    |
| 3. | Dr. Chitra Dutta        | Member   |
| 4. | Prof. S.K. Srivastav    | Member   |
| 5. | Prof. Varadraj B. Bapat | Member   |
| 6. | Ms. Krishna Gohain      | Member/Representative from the Government of Assam |
| 7. | Prof. Anoop Kr. Dass    | Member   |
| 8. | Prof. Bhaba Kumar Sarma | Member   |
| 9. | Mr. U. C. Das           | Registrar/Secretary                                |

Dr. S.S. Sandhu, Additional Secretary (TE), Ministry of HRD and Mr. Vikeduosie Kehie, Member BoG, could not attend the meeting due to prior engagement and they were granted leave of absence. However, the Ministry sent its comments on the agenda items, which was circulated amongst the members of the Board during the meeting.

**The agenda for the day was taken up as below:**

**Item No. 1**

**Confirmation of the Minutes of the 94<sup>th</sup> Meeting of the Board of Governors of the Institute held on 14.11.2018:**

The Ninety Fourth Meeting of the Board of Governors of the Institute was held on 14.11.2018 in the Conference Room of the Institute Guest House. The Minutes of the

meeting was circulated amongst the members of the Board for their comments / observations, if any. The comment of the Ministry forwarded vide its letter No.F.No.6-8/2018-TS-I dated 11/12/2018 has been received and incorporated in the 94<sup>th</sup> Minute.

The Board was requested to confirm the Minutes by incorporating the comments of the Ministry of HRD.

The Board deliberated and resolved as below:

**Resolution No:R\_95BOG/01/2018**

**RESOLVED** that the Minutes of the 94<sup>th</sup> Meeting of the Board of Governors of the Institute held on 14.11.2018 be **CONFIRMED** as placed as **Annexure-1** (not enclosed as already uploaded).

**Item No. 2**

**Action taken report of the decisions of the 94<sup>th</sup> Meeting of the Board of Governors of the Institute held on 14.11.2018:**

Action taken report on the decisions of the 94<sup>th</sup> Meeting of the Board of Governors of the Institute held on 14.11.2018 was placed before the Board for consideration and the Board was requested to note.

The Board discussed and resolved as below:

**Resolution No:R\_95BOG/02/2018**

**RESOLVED** that the actions taken on the decisions of the 94<sup>th</sup> Meeting of the Board of Governors held on 14.11.2018 be **NOTED** as reported.

**SECTION- B: Administrative items requiring approval of the Board**

**Item No. 3**

**Recommendation of 137<sup>th</sup> Special meeting Senate held on 10.12.2018 for award of original degrees certificate to the Ph. D students:**

As per the recommendation of 136<sup>th</sup> Senate on matter regarding issuing of degree certificate to the graduating students periodically instead of only on the occasion of convocation, the 93<sup>rd</sup> Board approved the following:

"**RESOLVED** to **APPROVE** in principle issuance of Ph D degree certificate to the students periodically as below:

<b><i>Only for Graduating students of PhD and Dual PhD programmes</i></b>			
<i>Target</i>	<i>Recommendation of the Senate</i>	<i>Approval by the Board of Governors</i>	<i>Degree Certificates will be issued to</i>
<i>Students Completing PhD and Dual PhD programs during June to September</i>	<i>First week of October</i>	<i>Second week of October (if necessary approval by circulation may be taken)</i>	<i>Only for students who wish to receive PhD degree in October without convocation</i>
<i>Students Completing PhD and Dual PhD programs during October to January</i>	<i>First week of February</i>	<i>Second week of February (if necessary approval by circulation may be taken)</i>	<i>Only for students who wish to receive PhD degree in February without convocation</i>
<i>Students Completing PhD and Dual PhD programs during February to May</i>	<i>First week of June</i>	<i>Second or Third week of June</i>	<i>Second or Third week of June during the Convocation (along with graduating students of all other programmes)</i>

***RESOLVED*** further as a special case, for those students who have completed PhD and Dual PhD programs but not received degrees in the last convocation (20<sup>th</sup> convocation) be issued the original degree certificate without convocation in December 2018 after recommendation of the Senate and approval of BOG."

In terms of the 2<sup>nd</sup> part of the above decision, the 137<sup>th</sup> Special meeting of the Senate held on 10.12.2018 recommended a list of 115 students who have been found to be

eligible to receive the original certificates during the period from 16.06.2018 to 10.12.2018. The Senate has recommended the Board to approve conferment of the degrees and to issue original certificates to these students.

The Board was requested to consider and approve.

The Board discussed and decided as below:

**Resolution No:R\_95BOG/03/2018**

**RESOLVED** to **APPROVE** the recommendation of the 137<sup>th</sup> Special meeting of the Senate regarding conferment of Ph.D degrees and issuing original certificates to 115 number of students of Ph.D and Dual Ph.D programmes who have been found to be eligible to receive the original certificates during the period from 16.06.2018 to 10.12.2018 as per the list given in **Annexure-2** (Pg 17-30).

**Item No. 4**

**Appointment of Prof. Jayashree Mohanraj as Visiting Professor in the Department of Humanities and Social Sciences:**

The Board was informed that the Department of Humanities and Social Sciences requested for a Visiting Professor to initiate the English Communication Course (HS:101) created in the new B. Tech. curriculum. The Head of Department of Humanities and Social Sciences of the Institute after a careful search has recommended to invite Prof. Jayashree Mohanraj as a Visiting Professor in the Department of Humanities and Social Sciences for a period of 6 months starting from 01 June 2019.

The Board was also apprised that, Prof. Jayashree Mohanraj is a retired Professor from English and Foreign Languages University, Hyderabad, with specialization in English language teaching. She is 66 years old.

As per the prevalent scheme for appointment of visiting faculty which was approved by the 44<sup>th</sup> meeting of the BOG held on 08.01.2006, it was proposed to invite Prof. Mohanraj as a Visiting Professor with the following terms and conditions:

**RESTRICTED TO PUBLIC DOMAIN**

The Board was requested to consider and approve.

The Board discussed and decided as below:

**Resolution No:R\_95BOG/04/2018**

**RESOLVED** to **APPROVE** appointment of Prof. Jayashree Mohanraj, a retired Professor from English and Foreign Languages University, Hyderabad, with specialization in English language teaching as Visiting Professor in the Department of Humanities and Social Sciences with the following terms and condition:

**RESTRICTED TO PUBLIC DOMAIN**

**Item No. 5**

**Appointment of Prof. D. N. Buragohain, former Professor and Founder Director of the Institute as Advisor, R&D in the Department of Civil Engineering:**

The Board was apprised that tenure of Prof. D. N. Buragohain, former Professor and Founder Director of IIT Guwahati who was appointed by the Institute as Professor Emeritus in Civil Engineering Department under Emeritus Fellowship Programme ended on June, 2018. However, the Department of Civil Engineering made an appeal to the Institute for further engagement of Prof. D. N. Buragohain with the department of CE as Professor Emeritus. However, this request was not feasible as Prof. Buragohain had attained an age beyond which the Emeritus Fellowship is no longer tenable. Considering this limitation, the department then proposed engaging Prof. D. N. Buragohain as an Adviser, R&D in the department with honorarium to be paid from department earnings out of consultancy projects. The matter was initially looked upon by a smaller Committee and later by an expanded Committee constituted by the Director. The expanded Committee discussed the proposal and noted the clarifications provided by Head of the Department, Civil Engineering in the meeting held on 11.12.2018. The Committee members also observed that there will be no expenditure from Institute Fund for this particular engagement.

With the above discussion and deliberations, the expanded Committee recommended the proposal for approval under the applicable terms and condition given in the **Annexure-3** (Pg 31 -34) and placed before the Director of the Institute.

The Director advised to place the recommendation before the Board with a request to consider and approve.

The Board was requested to consider and approve.

The Board discussed and resolved as below:

**Resolution No:R\_95BOG/05/2018**

**RESOLVED** to **APPROVE** the recommendation of the expanded Committee for appointment of Prof. D. N. Buragohain, former Professor and Founder Director of the Institute as Advisor, R&D in the Department of Civil Engineering for one year with a suitable honorarium to be paid from the Civil Department's earning out of the consultancy projects.

**Item No. 6**

**Engagement of Mr. Dipayan Bhagawati, Addl. Superintending Engineer (Electrical) as Consultant on contract after retirement:**

The Board was informed that, a note was received from the Engineering section of the Institute regarding engagement of Mr. Dipayan Bhagawati, Addl. Superintending Engineer (Electrical) as Consultant after retirement. Mr. Bhagawati will retire on 31<sup>st</sup> December 2018. Besides looking after various electrical and AC work of the Institute, he is also looking after the Maintenance Section as its Head. It was also mentioned that appointment to a few positions like Institute Engineer, Superintendent Engineer (Electrical) and a few other posts are overdue for advertisement.

In view of the above it was proposed to engage Mr. Bhagawati in the Engineering Section as a Consultant in the rank of Addl. Superintendent Engineer (Electrical) at a consolidated pay as may be decided for a re-employed officer as per rules in force for smooth functioning of Electrical installation and Maintenance work.

The Board was requested to consider and approve.

The Board discussed and resolved as below:

**Resolution No:R\_95BOG/06/2018**

**RESOLVED** to **APPROVE** engagement of Mr. Dipayan Bhagawati, Addl. Superintendent Engineer (Electrical) for six (6) month as Consultant for Electrical installation and Maintenance work on consolidated pay as per GOI rule of fixation of pay of re-employed officer after superannuation.

**Item No. 7**

**Amendments in Ordinance on Code and Conduct of Students of the Institute:**

The Board was informed that “Ordinance on Code and Conduct of Students” of the Institute was revised from time to time depending on the need arising out of circumstance. In the last revision, one of the “Students’ Counsellors” was included as a member of the Students’ Disciplinary Committee (SDC) and this was approved in the 83<sup>rd</sup> meeting of the Board. However, while practicing, it was felt that Counsellors need to be kept outside Disciplinary Committee to retain/build students’ confidence upon the Counsellors and their opinion/support may be sought by the Disciplinary Committees as and when required. As such, it was proposed to exclude the membership of Students’ Counsellors by including the Chairman, Students’ Welfare Board as a member of the Students’ Disciplinary Committee (SDC) and thus to make necessary amendments in the clause 4.1.5 in the Ordinance.

The Board was requested to consider the amendment and approve.

The Board discussed and resolved as below:

**Resolution No:R\_95BOG/07/2018**

**RESOLVED** to **APPROVE** amendment of clause 4.1.5 of Ordinance on Code and Conduct of Students of the Institute by including the Chairman, Students’ Welfare Board as a member of the Students’ Disciplinary Committee (SDC) in place of Students’ Counsellors as below:

<p><b><u>Amended 4.1.5 Clause of Ordinance on Code and Conduct of Students of the Institute</u></b></p>
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<p>4.1.5 Students’ Disciplinary Committee (SDC)</p>
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- |  |                 |
|--|-----------------|
| i. Dean of Students' Affairs   | – Chairman      |
| ii. Associate Dean of Students' Affairs - 1                              | – Member        |
| iii. Associate Dean of Students' Affairs - 2                             | – Member        |
| iv. Two faculty members  | – Members       |
| v. Chairman, Hostel Affairs Board, or<br>his nominee from Warden Council | – Member        |
| <b>vi. Chairman, Students' Welfare Board</b>                             | <b>– Member</b> |
| vii. Vice-President, Students' Gymkhana                                  | – Member        |
| viii. Dy./Asst. Registrar (Students' Affairs)<br>Secretary               | – Member        |

In addition, the Chairmen of the respective committees may invite any other persons to be associated of with the proceedings of a particular case, if their participation is considered necessary in disposing of the matter.

### **Item No. 8**

**Accord of administrative approval for the following works:**

- a) Construction of 40 units of C-type residential Quarters at IITG Campus**
- b) Annual Maintenance Contract of Plumbing and other building services in the campus**
- c) Construction of Research Park Building at IITG Campus**

The Building and Works Committee (B&WC) in its 84<sup>th</sup> meeting held on 8<sup>th</sup> September 2018, recommended for accord of administrative approval to the following construction works:

- a) Construction of 40 units of C-type residential Quarters at IITG Campus:**

The Building and Works Committee (B&WC) in its 84<sup>th</sup> meeting held on 8<sup>th</sup> September 2018 has approved the construction of 40 units C-type Residential quarter in the campus in 4<sup>th</sup> Phase for Rs.24,89,37,949.96. The Committee recommended for administrative approval and financial sanction of Rs.2489.38 Lacs after considering 20% increase for future escalation. The Architectural and Structural Consultancy service was awarded to one of the empanelled Architect of the Institute, M/S ENARCH Consultants (Pvt.) Limited, Noida-20301 (U.P.) at the rate of 2.00% for original Block and 1.20% for repetition Block.

The Board was **REQUESTED** to **ACCORD** Administrative Approval of Rs. **2489.38** Lacs.

- b) Annual Maintenance Contract of Plumbing and other building services in the campus:** The B&WC in its 84<sup>th</sup> meeting held on 8<sup>th</sup> September 2018, has approved an amount of Rs.1052.33 lacs for the Annual Maintenance Contract of Plumbing and other building services (civil / electrical) for next one year as the previous contract has already expired and running under extension period. The proposed contract is for the whole campus, which is divided into five different sectors viz. Sector 1,2,3,4 & 5. Such division is made for smooth maintenance and also to arrest the expenditure. The contract for each sector has two parts i.e (a) Part-A & Part-B for civil works and (b) Part-A, Part-B & Part-C for electrical works. Part-A is fixed part for labour whereas Part-B & Part-C is for lump sum variable cost. The Committee has also recommended Rs.1052.33 lacs for administrative approval and financial sanction.

The Board was requested to accord administrative approval of Rs.1052.33 lacs for the Annual Maintenance Contract of plumbing and other building services in the campus for next one year.

- c) Construction of Research Park Building at IITG campus:** The B&WC in its 84<sup>th</sup> meeting held on 8<sup>th</sup> September 2018 has approved an amount of Rs.7055.00 lacs and recommended the same for administrative approval and financial sanction considering 20% increase to match the present market rate. The MHRD earlier sanctioned an amount of Rs.7500.00 lacs vide letter F.No.34-1/2015-T.S. I dated. 03.10.17 for construction of a Research Parks at IIT Guwahati. Since the approved allocation of fund was not enough to complete all the amenities, the Institute decided that the extent of construction be restricted within Rs.70.00 crores to construct the building in two blocks viz. a Research Block and an Apartment block. The construction of the Research Park Building was further explained in detail by the Dean R&D during the proceedings of the meeting. He also explained the concept of Apartment block which is not a

residential type but somewhat retiring room type for the serious researchers working day and night.

The Board discussed and deliberated on all the three above mentioned construction work and decided as below:

**Resolution No:R\_95BOG/08/2018**

- a. **RESOLVED to ACCORD** administrative approval of Rs.2489.38 Lakhs for construction of 40 units of C-type residential Quarters at IITG Campus as per recommendation of the 84<sup>th</sup> meeting of the B&WC held on 08.09.2018.
  
- b. **RESOLVED to ACCORD** administrative approval of Rs.1052.33 lacs for the Annual Maintenance Contract of plumbing and other building services in the campus for next one year as per recommendation of the 84<sup>th</sup> meeting of the B&WC held on 08.09.2018.
  
- c. **RESOLVED to ACCORD** administrative approval of Rs. 75.00 crores for construction of the Research Park Building. However, the Board advised to re-examine the utility of the Apartment Block keeping in mind that the Institute has two Guest House which are sufficiently big.

**SECTION- C : Items for Ratification and Reporting**

**Item No. 9**

**Ratification of the approvals accorded by the Chairman, BOG:**

Items approved by the Chairman was put up before the Board for ratification. The Board considered and ratified the approvals as below:

**Resolution No: R\_95BOG/09/2018**

- A. **Approval of the Annual Account for the financial year 2017-18 and forwarding to Ministry for placing before the Parliament:** The Board in its 93<sup>rd</sup> meeting held on 24.06.2018, approved the recommendation of the Finance Committee for the Annual Account of the year 2017-18 before the CAG audit.

The CAG edited the same and submitted the ‘Separate Audit Report’ which was received on 05.12.2018. Since there is a time constraint, the Annual Account, along with the Separate Audit Report was placed before the Chairman seeking approval for sending the same to the Ministry for placing before the Parliament which was approved by the Chairman subsequently.

The Board ratified the same. The Board was informed that the Annual Report and the Annual Accounts were submitted to the Ministry on 18.12.2018, which is within the earmarked time.

#### **Item No. 10**

**Items approved by the Director:**

**Following item approved by the Director is being reported to the Board for noting.**

**a. Attendance of Conference / Seminar etc. abroad:**

**Resolution NO: R\_95 BOG /10/2018**

**RESOLVED** that the following item approved by the Director be **NOTED** as reported.

**a. Attendance of Conference / Seminar etc. abroad.**

#### **Item No. 11**

**Items for Reporting to the Board:**

The following items are reported to the Board for noting.

The Board considered and resolved as below:

**Resolution NO: R\_95 BOG /11/2018:**

**RESOLVED** that the following items as reported to the Board be **NOTED**.

**A. Establishment of a ‘Collaborative Doctoral Programme’ with Curtin University, Australia by signing a MoU on 01.06.2017 with the following objectives.**

a. to work together and share information to enhance each other’s understanding of research capabilities and requirements

- b. to establish a working relationship targeted to the parties' specific research requirements and interests.
- c. to establish a Collaborative Ph.D. program between the two Institutes, if practicable. The MoU is valid for a period of five years till May 30, 2022.

Further, as per the agreement, a program student who is deemed to have completed all award requirements of both the Institutions will be awarded a Doctor of Philosophy jointly by both Institutions. The Agreement is valid for a period of five years or for the duration of candidacy of programme students for the Collaborative Doctoral Programme whichever is later.

- B. Organization of 53<sup>rd</sup> Inter IIT Sports Meet 2018:** The Board was informed that the Institute is organising the 53<sup>rd</sup> Inter IIT Sports Meet during December 13-21, 2018 (for Students) and from December 24-28, 2018 (for Staff).

#### **Item No. 12**

**Over view on the progress made by Department and Centres since March 2018:**

Chairman took up the above item for updating the status of the Institute. The Director & Prof. In Charge, PRIR placed the matter before the Board. A brief copy of the progress as presented before the Board was circulated amongst the members of the Board.

The presentation was discussed, deliberated and the following suggestions / comments were given:

- 1 Information regarding number of patents applied and granted may also be added and presented in the future Board meetings.
- 2 There is more scope for all the Departments to contribute towards research publications in terms of quality and numbers as felt by the Board.
- 3 A note on the activities undertaken by the Department & Centres for improving the pertinent parameters such as publications, projects etc. may also be added and reported.
- 4 The new initiatives toward collaborations with Institutes/Universities with higher standing taken up by the Department & Centres may be added in the report.
- 5 New courses or improvement of the existing courses may also be one of the items for reporting to the Board which should also include number of faculty

- members and number of courses offered by the Departments & Centres.
- 6 The report may include a section showing publications in the high impact factor journals.
  - 7 A structured format for presentation may be developed for updating the achievements every month and reported to the Board.
  - 8 Request Department/Centre Heads to ensure that updated data is available in timely manner for presentations and submissions to various portals.
  - 9 Technology transfer data to be made available with R&D section and be very clear.
  - 10 R&D and AER sections to provide information on collaborative efforts by IITG faculty with foreign faculty especially through the SPARC program and other research project program
  - 11 HSS Department has to prepare a document related to their participation in policy formulation of various NE states.
  12. HSS Department has to enhance research publications and consultancy activities. Efforts to enhance consultancy by all other Departments/Centres may also be taken up and these items are to be reported to the Board.

**The meeting ended with a vote of thanks to the Chair.**

**(U. C. Das)**  
**Registrar & Secretary**  
**Board of Governors,**  
**IIT Guwahati**

**NOT ENCLOSED AS ALREADY UPLOADED**

**ANNEXURE-2**

**List of students who have completed their Ph.D. / Dual Ph.D. programmes during 16.06.2018 to 10.12.2018 and found eligible to receive degrees.**

During the period from 16.06.2018 to 10.12.2018, the total number of students who have completed their Ph.D. / Dual Ph.D. programmes and found eligible to receive degrees is as follows:		
<b>Department / Center</b>		<b>Total Number</b>
Computer Science & Engineering	:	5
Electronics & Electrical Engineering	:	11
Mechanical Engineering	:	16
Civil Engineering	:	17
Design	:	4
Biosciences & Bioengineering	:	9
Chemical Engineering	:	9
Physics	:	13
Chemistry	:	12
Mathematics	:	3
Humanities & Social Sciences	:	5
Energy	:	4
Environment	:	2
Nanotechnology	:	5
Rural Technology	:	0
Linguistic Science and Technology	:	0
<b>Total</b>	<b>:</b>	<b>115</b>

<b>Department/ Center: Bioscience and Bioengineering (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	10610605	Nand Kishor Roy	20.08.2018	Understanding of Isoform-specific Role of Akt Kinase in the Development of Oral Squamous Cell Carcinoma (OSCC)
2	11610627	Prakash Kishore Hazam	23.11.2018	Bactericidal Potency and Extended Plasma Half-life of Stereo-chemically Diversified Polypeptide Constructs

**IITG/95<sup>th</sup> – BOG/MINUTES**  
**19.12.2018**

3	126106001	Babina Chakma	23.07.2018	Development of Malaria Detection Methods Using Plasmodium Falsiparum Histidine Rich Protein II as Target Biomarker
4	126106017	Manishekhar Kumar	12.09.2018	Silk Biomaterial based islet encapsulation platform conferring immune isolation and immunomodulation toward bio-artificial pancreas Development
5	126106018	Sandipan Mukherjee	29.08.2018	Potential of Lactic Acid Bacteria in Antibacterial Therapy
6	126106034	Monisha Javadi	20.08.2018	Studies on the Role of Neutrophil Gelatinase Associated Lipocalin (NGAL) in Oral Aquamous Cell Carcinoma
7	126106037	Mohd Faheem Khan	29.10.2018	Exploring Molecular Adaptations of Extremophilic Proteins: A Platform for Protein Engineering
8	136106003	Rakesh Kumar	08.10.2018	Evaluation of Immunogenic Proteins of Classical Swine Fever Virus for Possible Use for Its Vaccine and Diagnostic
9	146106020	Abshar Hasan	13.11.2018	Nanosopic Surface Modification for Biomimetic Surface Preparation in Biomedical Applications

<b>Department/ Center: Chemical Engineering (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	126107014	Rupesh Verma	01.11.2018	Extraction of Lower Alcohols using Novel Hydrophobic Deep Eutectic Mixtures: Synthesis, Phase Equilibria Experiments and Process Economics
2	126107036	Raj Kumar Das	10.09.2018	Bio-inspired Synthesis of Co <sub>3</sub> O <sub>4</sub> and NiO Nanoparticles for Electrocatalytic H <sub>2</sub> O <sub>2</sub> Generation and Sensing
3	136107003	Badri Vishal	22.11.2018	Foaming Behavior of Aqueous Solutions Containing Hexadecyltrimethylammonium Bromide and Silica nanoparticles: Analysis of Stability and Interfacial Properties
4	136107007	Basudhrity Banerjee	29.06.2018	Ionic Liquid Supported Thermal Dehydrogenation of Amine Borane Derivatives

**IITG/95<sup>th</sup> – BOG/MINUTES**  
**19.12.2018**

5	136107023	Geeta Kumari	26.07.2018	Studies on CO <sub>2</sub> Enhanced Underground Coal Gasification for Efficient Energy Production
6	136107042	Anand Mohan Verma	03.07.2018	DENSITY FUNCTIONAL THEORY INVESTIGATIONS ON UPGRADING OF PHENOLIC CATALOGUE OF UNPROCESSED BIO-OIL
7	146107022	Kulbhushan Samal	09.10.2018	Development of Hybrid Membrane Process for Wastewater Treatment
8	146107028	Rima Biswas	04.09.2018	Quantum Chemical and Molecular Dynamics Insights into the Solvent Extraction and Stripping Mechanism of Metal Ions in Aqueous Biphasic Systems
9	146107032	Mood Mohan	08.09.2018	Dissolution of Lignocellulosic Biomass in Ionic Liquids: Insights from molecular Modeling and Experimental Studies

<b>Department/ Center: Chemistry (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	126122006	Keshab Mondal	31.07.2018	Metal- and Organo-Catalyzed Stereoselective Transformation of $\gamma/\delta$ -Hydroxenones
2	126122011	Radhakrishna Gattu	20.08.2018	Exploration of Amines for the synthesis of Substituted Quinolines and Indoles
3	126122015	Saurav Paul	03.08.2018	Design and Synthesis of Indoleamine 2,3-Dioxygenase 1 Inhibitors
4	126122032	Anindya Sundar Patra	24.09.2018	Synthesis, Characterization and Electronic Structure Modulation of Perovskite Oxides for Photocatalytic Applications
5	126122033	Manshlyoti Deka	29.06.2018	Synthesis of Nitrogen, Oxygen and Sulfur Containing Heterocyclic Compounds
6	136122001	Sabyasachi Pramanik	26.11.2018	Surface Complexation Reaction for White Light Emission from Quantum Dots
7	136122007	Subhankar Panda	29.10.2018	Synthesis of <i>N</i> -Heterocycles as Potential Inhibitors of the Immunosuppressive Enzyme, Indoleamine 2, 3-Dioxygenase 1

**IITG/95<sup>th</sup> – BOG/MINUTES**  
**19.12.2018**

8	136122008	Ganesh Chandra Paul	24.09.2018	Investigation on Transition Metal-Radical Complexes for Oxidative Cleavage of Aromatic C-C Bond, Aliphatic C-N Bond and Radical-to-Metal Electron Transfer Phenomena
9	136122022	Ravindra Kumar Gupta	14.10.2018	Perylene based Liquid Crystals as Materials for Organic Electronics
10	136122027	Aparajita Phukon	03.08.2018	Site-selective Probing of Surfactant Assemblies using Excited State Proton Transfer of Pyranine
11	136122034	Arup Tarai	28.08.2018	Studies on Supramolecular Assemblies, Metal Complexes of Aromatic Oxime Derivatives for Molecular and Ions Recognition.
12	146122027	Ashalata Roy	26.10.2018	Activity Studies of Indoleamine 2, 3-Dioxygenase 1 Enzyme

<b>Department/ Center: Civil Engineering (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	10610402	Atop Lego	26.09.2018	Seismic Response Control of Integral Abutment Bridge using Sleeved Piles
2	11610401	Jumrik Taipodia	01.09.2018	SUBSURFACE IDENTIFICATION USING ACTIVE MASW SURVEY: RESOLUTION OF DISPERSION IMAGE
3	126104003	Kulkarni Vihangraj Vijaykumar	03.08.2018	Remediation of Lead-acid Battery Wastewater and Sludge : Synthesis of Functionalized Sorbents and Manufacturing of Fired Clay Bricks
4	126104008	Sreya Dhar	23.11.2018	Suitability of Numerical Modelling Approach of an Integral Bridge for Strengthening of RC Pile Foundation Using SSI
5	126104019	Trishna Choudhury	20.08.2018	Seismic Fragility of Reinforced Concrete Buildings with Masonry Infills
6	126104037	Suchit Kumar Patel	12.10.2018	A STUDY ON STRENGTH AND DEFORMATION BEHAVIOUR OF GLASS FIBRE-REINFORCED CLAYEY AND SANDY SOILS UNDER VARYING MOULDED STATES

**IITG/95<sup>th</sup> – BOG/MINUTES**  
**19.12.2018**

7	136104005	Sudheer Kumar Yamsani	18.06.2018	Performance Evaluation and Stability Analysis of Multi-layered Cover System for Near-surface Hazardous Waste Disposal Facility
8	136104023	Yagom Gapak	21.07.2018	Wetting Hydraulic Functions and Infiltration Characteristics of Bentonites: Influence of Plasticity and Compaction density
9	146104016	Sagarika Patowary	17.07.2018	Projection of Urban Settlement in Eco-sensitive Areas and Its Impact on Watershed Hydrology
10	146104022	Olympa Boro	01.09.2018	Estimating Regional as well as local parameters controlling seismic hazard scenario of the Shillong Plateau
11	146104032	Veluchamy C.	28.11.2018	Anaerobic Digestion of Pulp and Paper Mill Sludge
12	146104034	Shovan Kumar Sahu	02.11.2018	ESTIMATION OF CONTRIBUTIONS FROM GEOGRAPHICAL SOURCE REGIONS TO MORTALITY ASSOCIATED WITH PM <sub>2.5</sub> IN INDIAN CITIES
13	146104038	Uttam Puri Goswami	29.06.2018	Study on Climate Extremes and Glacial Lake Outburst Floods
14	156104012	Bandita Barman	20.08.2018	Turbulent Flow Structures and Morphological Characteristics of Mining Affected Alluvial Channel
15	156104014	Gaurav Goel	20.09.2018	RECYCLING OF ORGANIC MATERIALS FOR PREPARATION OF FIRED BRICKS
16	156104031	Basuraj Bhowmik	29.10.2018	Online Structural Damage Detection using First Order Eigen Perturbation Techniques
17	126104014	Sreedevi Moharana	04.12.2018	Hyperspectral remote sensing of rice Agriculture for Field scale variability mapping

**Department/ Center: Computer Science and Engineering (in the ascending order of Roll Numbers)**

Sl. No.	Roll No.	Name	Date of Viva-Voce Exam	Thesis Title
1	11610113	Amit Kumar Srivastava	29.11.2018	Robustness of Primitive and L-Primitive Words

2	126101003	Basant Subba	28.06.2018	On improving the efficiency of intrusion detection systems using game theoretic approaches
3	136101005	Mohit Kumar	30.11.2018	Automatic Speaker Recognition Using Low Resources: Experiments in Feature Reduction and Learning
4	146101014	Bala Prakasa Rao Killi	03.11.2018	On Placement of Controllers and Hypervisors in Software Defined Networks
5	136101006	Manojit Ghose	04.12.2018	Energy Efficient Scheduling of Real Time Tasks on Large Systems and Cloud

<b>Department/ Center: Design (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	08610506	Nishant Sharma	03.09.2018	EVOLVING A CONTEXT-SENSITIVE PARTICIPATORY METHOD IN DESIGN OF PERSONAL TRANSPORT
2	136105008	Shilpi Bora	09.08.2018	An Ergonomic Study on Occupational Wellbeing and Womenness Issues of Assam Police
3	136105011	Alon Weiss	26.11.2018	WIT - 'What Ideality Tool' for Product Design Briefs Utilizing Biomimetic Principle
4	146105010	Ravi G. Lingannavar	26.11.2018	Innovation Index Based Frame Work for Design of Products Manufactured by Small Scale Sectors in India

<b>Department/ Center: Electronics &amp; Electrical Engineering (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	10610224	Deepak Joshi	22.11.2018	Analog/RF Circuit Optimization using Adjoint Network Sensitivity Analysis and Metaheuristics
2	10610230	Vinay Kumar Pandey	30.07.2018	ADAPTIVE CONTROLLER DESIGN FOR NONLINEAR UNCERTAIN SYSTEMS USING MULTIPLE MODEL BASED TWO LEVEL ADAPTATION TECHNIQUE

**IITG/95<sup>th</sup> – BOG/MINUTES**  
**19.12.2018**

3	11610211	Arghya Chakravarty	20.11.2018	ADAPTIVE COMPENSATION BASED ACTUATOR FAULT TOLERANT CONTROL OF NONLINEAR UNCERTAIN SYSTEMS WITH EMPHASIS ON TRANSIENT PERFORMANCE IMPROVEMENT
4	11610227	Bhoopal Rao Gangadari	30.07.2018	Low Power VLSI architectures for Cryptographic Algorithms
5	11610229	Gaurav Kumar Yadav	05.08.2018	Human Action Recognition using Differential Motion
6	11610237	Jiss J. Nallikuzhy	04.08.2018	Spatial Enhancement of ECG using Transform Domain Models
7	11610242	Satyabrata Dash	27.10.2018	Novel Metaheuristics for the Performance Analysis and the Design Optimization of VLSI Circuits
8	126102002	Venkata Ramana Kasi	20.11.2018	Identification of Process Models Using Relay Feedback Response
9	126102018	Ripudaman Singh	29.11.2018	Low Delay and Low Energy Contention Based Synchronous MAC Protocols for Event-Driven Wireless Sensor Networks
10	126102027	Sameer Pawanekar	12.10.2018	Large Scale Circuit Placement and Partitioning using Nonlinear Analytical Optimization Methods
11	126102030	Jitendra Prajapati	05.10.2018	ANALYTICAL AND SIMULATION MODELING OF THE TERAHERTZ PHOTOCONDUCTIVE ANTENNAS

**Department/ Center: Energy (in the ascending order of Roll Numbers)**

<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	126151002	Asha Yadav	24.08.2018	Growth and Study of Optoelectronic Properties of a-Si:H/nc-Si:H based Superlattice Structures
2	126151003	Garima Srivastava	14.09.2018	Strategies for enhancing lipid production from native microalgae isolates for biofuel production: Process optimization and Intensification
3	136151005	Sharbani Kaushik	01.10.2018	Cyanobacteria Based Photosynthetic Microbial Fuel Cell: Development and Application for Sensing Alcohol
4	136151007	Shyamali Sarma	08.12.2018	Biohydrogen Production from Crude Glycerol: Process Optimization and Intensification

<b>Department/ Center: Environment (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	11615204	Praisyl Terangpi	01.11.2018	Evaluation of Aniline Formaldehyde Condensate Polymer in Two Different Forms For Heavy Metals and Anionic Dyes Adsorption from Wastewater
2	146152012	Visva Bharti Barua	03.08.2018	ANAEROBIC DIGESTION OF WATER HYACINTH : EFFECT OF PRETREATMENT AND CO-DIGESTION ON BIOGAS PRODUCTION

<b>Department/ Center: Humanities and Social Sciences (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	11614115	Ratan Deka	12.09.2018	Trauma of Displacement: A Study of Selected Contemporary Assamese Novels
2	126141013	Arfan Hussain	20.09.2018	THE NATURE OF EMERSON'S SKEPTICISM: A STUDY OF HIS MAJOR SKEPTICAL ESSAYS
3	136141012	Bankerlang Kharmylliem	12.11.2018	A Study of Social Sustainability and Urban Water Supply Systems in Shillong
4	146141027	Manali Karmakar	27.11.2018	Bioengineering, Embodied Subjectivity and Biomedical Trash: From Mary Shelley's <i>Frankenstein</i> (1818) to Kishwar Desai's <i>Origins of Love</i> (2012)
5	126141007	Chandita Baruah	01.12.2018	The Maintaining Factors of SWB Homeostasis and Vasilience Among the Victims of Recurrent Floods

<b>Department/ Centre: Mathematics (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	136123001	Ramesh Prasad Panda	06.09.2018	Connectedness and Spectral Properties of Power Graphs of Finite Groups
2	136123007	Maneesh Kumar Singh	22.11.2018	Analysis of Robust Computational Techniques for Singularly Perturbed System of Parabolic Partial Differential Equations

3	126123012	Sougata Biswas	10.12.2018	SOME ASPECTS OF CORNER VORTICES IN SEPERATED FLOWS: A THEORETICAL AND NUMERICAL INVESTIGATIONS
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<b>Department/ Center: Mechanical Engineering (in the ascending order of Roll Numbers)</b>				
<b>Sl. No.</b>	<b>Roll No.</b>	<b>Name</b>	<b>Date of Viva-Voce Exam</b>	<b>Thesis Title</b>
1	11610303	Daya Shankar	08.10.2018	Analysis and Scaling of Coupled Neutronic Thermal hydraulic Instabilities of Supercritical Water-cooled Reactor
2	11610319	Chilaka Ravichandra Rao	05.10.2018	Experimental and Numerical Investigations on Sensible Heat Storage Systems
3	126103008	Subrat Kotoky	27.07.2018	DEVELOPMENT AND APPLICATION OF A GENERIC FINITE VOLUME MULTIPHASE FLOW SOLVER FOR GAS-PARTICULATE FLOWS
4	126103018	Chandan Kumar	20.07.2018	Experimental Investigation and Numerical Simulation of Fiber Laser Welding of Ti-6Al-4V Alloy and SS-316L
5	126103039	Basufekad Negash Fetene	06.07.2018	A STUDY ON THE PERFORMANCE OF LASER BASED BENDING
6	136103018	Susanta Behera	21.08.2018	Three Dimensional Static and Dynamic Analysis of Hybrid Plate Using Multi-term Multi-field Extended Kantorovich Method
7	136103019	Mukul Parmananda	24.08.2018	Development of a Finite Volume Framework for Convective-radiative Flows on Unstructured Grids
8	136103021	Vinod Pandey	08.08.2018	Dynamics of Vapor Bubbles and Associated Heat Transfer in Various Regimes of Boiling
9	136103041	Saurabh Bhardwaj	15.11.2018	Mesosopic Simulation of Droplet Dynamics in Confinements and Porous Media Flows
10	136103042	Nada Barakat	16.11.2018	Evolutionary Multi-Objective Optimization of Bulldozer and Its Blade in Soil Cutting
11	146103008	Ramesh Kumar	31.10.2018	Studies on Effect of Surface Profiles and Field Shaper Geometries on Electromagnetic Crimping of Tubes on Rods
12	146103027	Hiranya Deka	04.09.2018	Analysis of Free Surface Flows in Formation, Coalescence and Impact of Drops on Liquid Surfaces
13	146103036	Snehasish Panigrahy	16.07.2018	INVESTIGATION ON COMBUSTION IN POROUS INERT BURNERS USING GASEOUS AND LIQUID FUELS

14	136103040	Soumya Ranjan Nanda	10.12.2018	Force Recovery Technique for Multi-Component Balances under Impulsive Loading in High Speed Flow Experiments
15	136103029	Woldetinsay Gutu Jiru	10.12.2018	Laser Surface Alloying of Aluminium and Surface Melting of Al-12Si-4-Cu-1.2Mn Alloy
16	11610321	Jyoti Kumar Doley	10.12.2018	Electromagnetic Forming of Friction Stir Welded Aluminium Sheets

**Department/ Center: Nanotechnology (in the ascending order of Roll Numbers)**

Sl. No.	Roll No.	Name	Date of Viva-Voce Exam	Thesis Title
1	11615302	Amit Kumar Singh	06.10.2018	Multimodal Propulsion of Synthetic Microbots
2	126153005	Shyam Trivedi	05.11.2018	Surface Acoustic Wave Devices using Coupled Resonance with Nano- and Micro-structures for Biosensing Applications
3	126153007	Upashi Goswami	05.10.2018	Luminescent Gold and Copper Nanoclusters for Theranostic Applications
4	136153001	Mitradip Bhattacharjee	12.11.2018	Nano-Enabled Electronic Devices for sensing and Energy Harvesting
5	136153007	Deepanjalee Dutta	24.08.2018	Multifunctional Nanomaterials for Theranostic Applications

**Department/ Center: Physics (in the ascending order of Roll Numbers)**

Sl. No.	Roll No.	Name	Date of Viva-Voce Exam	Thesis Title
1	11612109	Ramakrishna Madaka	05.11.2018	Optimization of Hydrogenated Amorphous Silicon Thin Films and Fabrication of Solar Cells on Flexible Substrates at Low temperature
2	11612113	Himangsu Bhaumik	27.08.2018	Self-organized Criticality on Complex Networks : Sandpile Model, Scaling and Universality
3	11612116	Sandeep Sharma	06.08.2018	Coherent Control and Manipulation of Electromagnetic Fields in Novel Quantum Systems
4	11612118	Biplob Sarkar	13.08.2018	Investigation of Magnetized Dissipative Accretion Flow around Black Holes
5	11612120	Arnab Kumar Das	20.08.2018	INVESTIGATIONS ON MAGNETIC AND SEMICONDUCTING NANOMATERIALS PREPARED BY SOL-GEL AND ELECTROSPINNING ROUTES
6	11612121	Nitin Yadav	31.07.2018	Electromagnetic Shower from Cosmic Muons in NOvA Detector

**IITG/95<sup>th</sup> – BOG/MINUTES**  
**19.12.2018**

7	126121014	Biswaranjan Das	29.11.2018	Study of CP-properties of the Higgs Sector of Supersymmetric Models
8	126121015	Anabil Gayen	27.08.2018	Magnetic Properties of Single-layer and trilayer structured CoFeB based magnetic thin films
9	136121002	Bijita Sarma	13.08.2018	Ground-State Cooling and Photon Antibunching in Cavity Optomechanical Systems
10	136121007	Sk Noor Nabi	22.09.2018	Quantum Phases of a Spin-1 Bose Gas in an Optical Lattice: A Focus on Mean Field and Perturbative Approaches
11	136121015	Sangkha Borah	30.07.2018	Ab Initio Molecular Dynamics Studies of Structural Dynamical and Spectroscopic Aspects of Waterborne Selenium and Arsenic Species
12	136121020	Camelia Das	26.11.2018	The Study of Magnetic Properties and Magnetic Interactions in Amorphous Magnetic Multilayer Thin Films
13	11612117	Gyan Prakash Bharti	10.12.2018	Studies on Third Order Nonlinearity, Photoluminescence and Random Lasing in Pulsed Laser Deposited Zn <sub>1-x</sub> Al <sub>x</sub> O (0<x<0.10) and Zn <sub>1-x</sub> Ti <sub>x</sub> O (0<x<0.05) Thin Films

**INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI**  
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**Name (in English):** Write your Name as given in X class / Previous Degree Certificate and in BLOCK/ CAPITAL Letters. Please enclose a photocopy of the X class/ Previous Degree Certificate.


**Name (in Hindi):**

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Note that your name will be mentioned in the Ph.D. degree certificate as per details given in this form.

<b>Roll Number:</b>										
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<b>Department/ Center:</b>	
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**Ph.D. Thesis Title (Write/ Type it legibly):** Please enclose a photocopy of the title page of final version of Your Ph.D. Thesis.

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**Name(s) of the Ph.D. Thesis Supervisor(s):**

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	D	D	/	M	M	/	Y	Y	Y	Y
Date of Joining of Ph.D. Programme:			/			/				
Date of Submission of Ph.D. Thesis:			/			/				
Date of Ph.D. Thesis Viva-Voce Examination:			/			/				

**INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI**  
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	Issue my Ph.D. degree certificate <b>prior to the Annual Convocation</b> of the Institute. I would like to <b>receive my Ph.D. degree certificate by Post</b> . In this case, I clearly understand that I am NOT eligible to attend the Annual Convocation of the Institute.
	Issue my Ph.D. degree certificate <b>prior to the Annual Convocation</b> of the Institute. I would like to <b>collect my Ph.D. degree certificate from the Academic Affairs Section</b> in person or through authorized person who will be carrying my IITG Identity Card/ Alumni Card and my Authorization Letter. In this case, I clearly understand that I am NOT eligible to attend the Annual Convocation of the Institute.
	Issue my Ph.D. degree certificate <b>at the Annual Convocation (normally held in June)</b> of the Institute. In the month of May / June, I will inform about my participation (in person/ in absentia) in the Annual Convocation to receive the degree certificate. Kindly issue me provisional degree certificate now.

To receive degree certificate by <b>post</b> or to receive <b>intimation regarding Annual Convocation</b> , fill the address details to which the degree certificate / intimation letter regarding Annual Convocation to be sent.	
Name:	
Address:	
Village / Town/ City:	
Pincode:	
District:	State:
Country:	
Contact Phone Number: (Mobile Phone Number of Receiver/ Addressee)	
Contact Email Address:	
Your Contact Mobile Phone Number:	

Date:

Signature of the Graduating Ph.D. Student

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Please do National Academic Depository (NAD) registration (see: <a href="http://www.iitg.ac.in/acad/NAD/NAD.htm">http://www.iitg.ac.in/acad/NAD/NAD.htm</a> ) within 15 days and inform Your NAD Registration ID Number along with your Name and IITG Roll Number to <a href="mailto:acadphd@iitg.ac.in">acadphd@iitg.ac.in</a> and <a href="mailto:hosacad@iitg.ac.in">hosacad@iitg.ac.in</a>	

**Pledge by the Graduate**

I, ..... (Name),

..... (Roll Number), a graduate of the Indian Institute of

Technology Guwahati, hereby pledge that I shall always endeavour to be scrupulously honest in the discharge of my duties. I shall utilise my knowledge, experience and skills to the best of my ability for the service of Society and of the Country, and for the glory of the Institute.

In all circumstances, I shall uphold the dignity of the individual and the integrity of my profession.

Date:

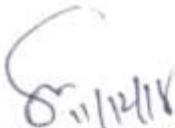
**Signature of the Graduate**

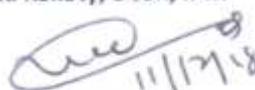
**ANNEXURE-3**

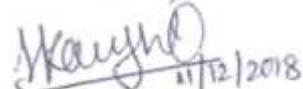
**Recommendation to a Proposal for engaging Prof D N Buragohain as R&D Advisor in the Civil Engineering Department**

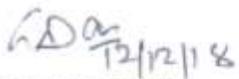
Prof. D N Buragohain, former Professor and former Director of IIT Guwahati was appointed by the Institute as Professor Emeritus under Emeritus Fellowship Programme till June, 2018 and was discontinued in that position after June, 2018. Since the Department of Civil Engineering was benefitted both from the teaching and R&D guidance of Prof Buragohain, it made an appeal to the Institute for further association of Prof D N Buragohain with the department as Professor Emeritus. However, this request was turned down as Prof Buragohain has attained an age beyond which the Emeritus Fellowship is no longer tenable. Considering this limitation, the department then proposed engaging Prof D N Buragohain as an R&D Adviser in the department with honorarium to be paid from department earnings out of consultancy projects. The Director appointed a Committee to examine the matter. One of the members expressed inability to be part of the Committee. The remaining three members of the Committee endorsed the proposal. However, Director further had some observations on the proposal. The HoD, CE has provided further clarifications. Director wanted the matter to be discussed by an expanded Committee of the three earlier members, the Registrar and two senior faculty members of the CE Department. The expanded Committee took note of the elaborate explanation provided by the department of Civil Engineering, a copy of which is enclosed herewith as an Annexure along with other related documents, discussed the proposal and noted the clarifications provided over a meeting today (11.12.2018). The Committee members also observed that there will be no expenditure from Institute Fund for this particular engagement.

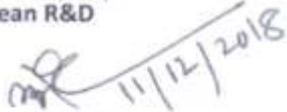
With the above discussion and deliberations, the Committee decided to recommend the proposal for approval under terms and considered as per the Annexure enclosed herewith along with other related documents.

  
S. K. Kakoty, Dean, IPM

  
U C Das, Registrar

  
Hemant Kaushik, Associate Professor, CE

  
Gopal Das, Dean R&D

  
Arbind K Singh, Professor CE

  
Chandan Mahanta, HOD, CE

Director

**Clarification on the proposal for engaging Prof D N Buragohain as R&D Advisor in the Civil Engineering Department**

Prof. D N Buragohain, former Professor and former Director of IIT Guwahati was appointed by the institute as Professor Emeritus following the Emeritus Fellowship Programme of UGC till June, 2018 and was discontinued in that position after June, 2018. Since the Department of Civil Engineering benefitted both from the teaching and R&D guidance of Prof Buragohain, it made an appeal to the Institute for further association of Prof D N Buragohain with the department as Professor Emeritus. However, this request was turned down as Prof Buragohain has attained an age beyond which the Emeritus Fellowship is no longer tenable. Considering this limitation, the department now resolved to propose engaging Prof D N Buragohain as an R&D Adviser. Since the BOG has clearly directed that it is no longer possible to continue the appointment of Prof D N Buragohain as Professor Emeritus under the Emeritus Fellowship scheme, hence the department is not proposing his continuation in the same post of Emeritus Fellow. The position of R&D advisor is being considered independently of his earlier holding the position of Professor Emeritus under the Emeritus Fellowship Programme of UGC/IITs. The position of R&D Adviser is rather based upon the intrinsic, proven and demonstrated benefit to the department as has been experienced by the faculty members and students of the department during his past association, however now focused more upon the leadership in R&D along with other allied benefits like informal mentoring, lectures and other pedagogic activities. Despite the Institute being constrained by rules not to further grant extension to Emeritus Fellowship to Prof DNB, the department of civil engineering as a whole could experience the value of having Prof DNB in the department as a mentor to both young faculty colleagues and students particularly as R&D Advisor and it will be a great benefit if we can offer Prof Buragohain an opportunity to guide the department to the next level of excellence, a department established by him as the founder Director of IIT Guwahati where he also acted both as Professor and as the HoD, besides his illustrious career as a Professor at IIT Bombay, before joining IIT Guwahati as its founder Director.

Prof Buragohain's appointment as an R&D Advisor was discussed both at specialization level and at department level and finally unanimously agreed upon in a department meeting where majority faculty members were present. Although all major department decisions are taken by majority opinion only (since rarely a department meeting attains 100% attendance), yet since the appointment of a R&D advisor was a first of a kind of departmental engagement being proposed, considering that attendance in the said departmental meeting was not 100%, an email was sent later to all faculty members, asking in case those who were absent have any objection regarding appointing Prof. D.N. Buragohain as an R&D advisor. No objection was received and everyone has whole heartedly supported the proposal. It may further be noted that the contribution to department consultancy earning is not necessarily done by all faculty members equally. Yet the department income is treated as a common pool of department fund and the HOD generally administers this fund for fulfilling diverse interest of the department without necessarily consulting the entire department each time. Hence, the consent of the whole department was not mandated but yet taken considering that this is a special step aimed at giving boost to the R&D initiative of the department.

The Minutes of the department meeting have been signed by HOD and the attendance records and copies of emails are attached as annexure to this note. Since Prof. D N Buragohain had earlier served both IITB and IITG as a teaching professor and later as an Emeritus Professor, he had taken part in teaching and other activities of the department, it is proposed to utilize all his expertise for the benefit of the department as can be provided within the Institute rules. However, his primary task will remain strengthening the R&D thrust of the department. It may not be out of place to record that Prof. Buragohain has been currently advising both central and state governments on several ambitious projects and a number of consultancy projects are expected to be administered through him by the department, which will be an immediate major gain of his association. For instance, Prof Buragohain is currently Member of Assam State Capital Region Development Authority (ASCRDA). ASCRDA is responsible for preparing the regional and sub-regional plans, development schemes and project plans of the state capital region (Guwahati and its surrounding regions). This assumes importance in view of the proposed development of Guwahati into a smart city. Prof Buragohain is also Member of the State Innovation and Transformation Aayog (SITA), which replaced the erstwhile State Planning Board of Assam. SITA has the responsibility of evolving and considering various proposals for economic, technological and social development of the entire state of Assam, and engaging and sanctioning specific projects for this purpose including projects requiring technological innovation. The department of Civil Engineering can see a major opportunity of getting involved in these through the leadership of Prof Buragohain. It is also quite likely that besides opportunities of exposing our students into many of these emerging and challenging projects, even the financial benefits through consultancy earning should quite easily offset the expenditure that will be incurred by the department for the engagement of Prof D N Buragohain as an R&D Advisor. Therefore, his engagement as a R&D Advisor is viewed by the department more as an investment.

An honorarium of not more than Rs. 1,00,000/- per month is being proposed for the post of R&D Advisor. This may as well be constrained either by the highest monthly emoluments permissible for an R&D Project staff or by drawing an equivalence of what Prof Buragohain used to draw till June 2018 under the Emeritus Fellowship scheme, whichever is higher but not exceeding Rs. 1,00,000/-. We can fix his actual payment per month either by a committee of three senior professors including the HoD, evaluated upon his contribution subject to a maximum of Rs. 1,00,000 per month. The department and the Committee constituted by the Director considered this to be fairly reasonable considering the average payment the department used to pay him earlier for taking classes as a professor Emeritus. In his current assignments, he will assist the HoD in overseeing the inception, progress and execution of the major R&D and consultancy projects of the department, help in securing new projects, and will also take part in other activities as assigned time to time. The honorarium will rather be a token for such a range of services. Further, the payment of honorarium will be governed by the R&D and F&A rules of the Institute. The R&D office will be consulted for the appropriate payment mode within the rules governing the use of department development fund. It will be strictly as per prevailing norms.

Once the request was made to the Institute, the Director constituted a committee to examine the matter as per the copy of the office order given at Annexure. Subsequently, the chairman of the committee did not want to be part of the committee since he was already involved earlier in the

consideration for Prof. Buragohain's possible continuation as a Professor Emeritus beyond June 2018. He stated his reason for not to be part of this committee to Dean R&D, who had originally moved the note to Director for examining the proposal from Dept of Civil Engineering for engaging Prof D N Buragohain as R&D Advisor. The Director then permitted the Committee to make recommendation without the inclusion of the Chairman. It was with the permission of the Director that the rest of the members met, discussed and forwarded the recommendations which are placed at Annexure.

Subject to approval of the committee for quarter allotment, the cost such as license fee of a suitable campus alternative accommodation may also be borne by the department.

As clarified above, there is no link to the currently considered temporary assignment of R&D Adviser to that of the former position of Professor Emeritus earlier held by Prof. Buragohain. Reportedly, there are professors senior in age similar to that of Prof. Buragohain who are working in other IITs like IIT Kharagpur and IIT Gandhi Nagar in similar capacities. Here, it is not being proposed that Prof. Buragohain should be appointed in a regular salaried position. As stated above, no further extension is being requested of his earlier position of Professor Emeritus Fellowship. R&D Advisor is a completely independent and new position being proposed. The two are not connected or the latter is not an extension as six months have elapsed since termination of his Emeritus Fellowship. Nor there will be any expenditure involved for this engagement from Institute fund.

Sincerely



Chandan Mahanta

HOD, Civil Engineering

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