

**MINUTES OF THE 106TH MEETING OF THE
BOARD OF GOVERNORS HELD ON
22.04.2021**

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INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
MINUTES OF THE
ONE HUNDRED SIXTH MEETING OF THE BOARD OF GOVERNORS
HELD ON 22ND APRIL 2021

The One Hundred Sixth Meeting of the Board of Governors of the Institute was held on 22.04.2021 in the Board Room of the Institute and the following members were present:

1. Dr. Rajiv I. Modi	Chairman (via Video-conference Mode)
2. Prof. T.G. Sitharam	Director
3. Prof. S.K. Srivastava	Member (via Video-conference Mode)
4. Padmashri Dr. Prahlada Rama Rao	Member (via Video-conference Mode)
5. Prof. Varadraj B. Bapat	Member (via Video-conference Mode)
6. Prof. Diganta Goswami	Member
7. Prof. Pranab Goswami	Member (via Video conference Mode)
8. Prof. Sashindra Kumar Kakoty	Special Invitee
9. Prof. Suresh S.M.	Registrar and Secretary

Sh Rakesh Ranjan, Additional Secretary (HE) MoE, Er Vikedosie Kehie, Member BOG and Commissioner & Secretary to the Government of Assam, could not attend the meeting due to their prior engagements and they were granted leave of absence.

The agenda for the day was taken up as below

SECTION - A: Confirmation of Minute , Action Taken Report & Presentation

Item No. 1 (A)

Confirmation of the Minutes of the 105th Meeting of the Board of Governors of the Institute held on 30.11.2020:

The Hundredth Fifth (105th) Meeting of the Board of Governors of the Institute was held on 30.11.2020 in the Board Room of the Institute through video conferencing mode. The Minutes was circulated amongst the members of the Board for their comments / observations, if any.

The Board was apprised that as per administrative observation , a modification in the 1st part of

BOG resolution R_105BOG/14/2020 is proposed as below for approval with the 2nd part of the resolution remaining the same :

Existing 1st part of the resolution	Proposed Modification 1st part of the resolution
<ul style="list-style-type: none"> Board deliberated in detail the quantum of punishment to Dr. B.K. Rai and unanimously decided that he may be penalised under Section 15 (9) (vii) of the Statutes of the Institute- dismissal from service which shall ordinarily be a disqualification for future employment in the Institute. A High-Power Committee constituting of 2 (Two) members (one from the Board and another must be an external member) will review and submit a summary report in 2 months. The High-Power Committee will recommend the quantum of punishment for Dr. Gaurav Trivedi and also summarize the procedures followed by the Committee. 	<p>Board deliberated in detail the quantum of punishment to Dr. B.K. Rai and unanimously decided that he may be penalised under Section 15 (9) (vii) of the Statutes of the Institute- dismissal from service which shall ordinarily be a disqualification for future employment in the Institute. A High-Power Committee constituting of 2 (Two) members (one from the Board and another must be an external member) will review and submit a summary report in 2 months. <u>The High-Power Committee will summarize the procedures followed by Inquiry Committee constituted to inquire into altercation between Dr.B.K.Rai and Dr.Gaurav Trivedi.</u></p>

The Board was requested to confirm the 105th minutes with inclusion of the modified Resolution: R_105BOG/14/2020 as proposed.

The Board resolved as below:

Resolution No: R_106BOG/1(A)/2021

RESOLVED that the Minutes of the 105th meeting of BOG with inclusion of modified Resolution: R_105BOG/14/2020 as proposed above be **CONFIRMED** as placed as **Annexure -1**(Not enclosed as already uploaded)

Item No. 1 (B)

Confirmation of the items approved by BOG through Circulation

The following items were circulated amongst the BOG members and approval for the same was obtained from all the members and Hon'ble Chairman, BOG through Circulation.

Item No	Item	Proposal	Decision

1.	To consider the list of students who have completed PhD/Dual PhD programme:	The Board was requested to consider and approve the list of students as per the recommendations of the Senate for award for degrees who have completed their PhD / Dual PhD degree programmes .	Approved by Circulation
2.	To consider the proposal of Joint Degree PhD programme (JDP) with IIT (BHU) and its Ordinance	The Board was requested to consider and approve the recommendation of the 152nd Senate regarding the ordinance of Joint Degree PhD programme (JDP) with IIT (BHU) .	Approved by Circulation
3.	To consider the proposal to start a School of Data Science and Artificial Intelligence at IIT Guwahati	The Board was requested to approve the recommendation of 152nd Meeting of the Senate held on 03.02.2021 regarding starting of the School of Data Science and Artificial Intelligence at IIT Guwahati with initiation of PhD programme along with a B. Tech programme in Data Science and Artificial Intelligence with 20 seats from the AY-2021-22.	Approved by Circulation
4.	To consider starting of academic programmes in the recently approved academic centres, viz., a. Centre for Intelligent Cyber Physical Systems b. Centre for Disaster Management and Research	The Board was requested to consider and approve the recommendation of the 152 nd Senate regarding starting of the academic programme of Masters and PhD in the said centres.	Approved by Circulation
5.	To consider the	The Board was requested	Approved by

	reconstitution of an Inquiry Committee to look into the matter of disciplinary proceedings related to Hostel No.8 in the light of the provisions of the Disciplinary Procedure of the Institute.	exercise the power conferred by sub rule (15) of 9 of the Statutes constituted an Inquiry Committee with the following members: 1. Justice Biplab Kr Sharma, Former Judge, Gauhati High Court 2. Mr. Kamalasan Goswami, Retd. Commissioner & Secretary, Government of Assam 3. Mr. Braja Mohan Chowdhury, Retd Superintendent Engineer, APWD	Circulation
6.	To consider the recommendation of the Finance Committee (FC) to approve the Audited Annual Accounts for the year 2019-20 along with the Separate Audit Report (SAR)	The Board was requested to approve by circulation recommendation of the Finance Committee obtained by circulation on the Audited Annual Accounts with SAR for submitting the same to the Ministry of Education (MoE) so that it can be placed in the Parliament on time.	Approved by Circulation

The Board was requested to consider the comments / observations of the members, if any, and to confirm the items approved by circulation.

The Board resolved as below:

Resolution No: R_106BOG/01 (B) /2021

RESOLVED that the aforementioned items approved through circulation of the Board be **CONFIRMED**.

Item No. 2 (A)

Action taken report of the decisions of the 105th Meeting of the Board of Governors of the Institute held on 30.11.2020:

Action taken report on the decisions of the 105th Meeting of the Board of Governors of the Institute held on 30.11.2020 was placed before the Board for consideration and the Board was requested to note. It was reported that the actions have been taken as per decisions.

However, due to proposed modification in the Resolution 105BOG/14/2020 as already informed to the Board in the Item 1 (A) of this BoG meeting, no follow up action was taken on that matter.

The Board was apprised that, the Director of the Institute in consultation with the Chairman, BoG nominated – i) Prof. S .K. Kakoty, Deputy Director, IITG & Special Invitee to all meetings of the Board (Board Representative) and ii) Prof .Kaustubh Mohanty, HoC Centre for Energy as member of the High Power Committee (Other Member) with the following terms of Reference (ToR) as per the modified Resolution (105BOG/14/2020).

- The High-Power Committee will summarize the procedures to be followed/ followed by Inquiry Committee constituted to inquire into altercation between Dr. B.K.Rai and Dr. Gaurav Trivedi.
- To summarize the report within two months and submit the same in the subsequent Board meeting.

The Board considered the same and resolved as below:

Resolution No: R_106BOG/02 (A) /2021

RESOLVED that the action taken on the decision of the 105th Meeting of the Board of Governors held on 30.11.2020 be **NOTED** as reported.

RESOLVED that nomination of i) Prof. S .K. Kakoty, Deputy Director ,IITG & Special Invitee to all meetings of the Board (Board Representative) and ii) Prof .Kaustubh Mohanty, HoC Centre for Energy as member of the High Power Committee (Other Member) with the following terms of Reference (ToR) as per the modified Resolution(105BOG/14/2020) be **APPROVED**.

- The High-Power Committee will summarize the procedures to be followed/ followed by Inquiry Committee constituted to inquire into altercation between Dr. B.K.Rai and Dr. Gaurav Trivedi.
- To summarize the report within two month and submit the same in the subsequent Board meeting.

Item No. 2 (B)

Action taken report of the decisions of the items approved through circulation

Action taken report on the decisions approved by Circulation by the members of the Board of Governors of the Institute was placed again before the Board for consideration and the Board was requested to note. It was reported that the actions have been taken as per decisions.

The Board considered the same and resolved as below:

Resolution No: R_106BOG/02 (B) /2021

RESOLVED that the action taken on the decisions of the items approved through circulation by the members of the Board of Governors of the Institute be **NOTED** as reported.

SECTION- B: Administrative items requiring approval of the Board

Item No 3

Approval to the proposal of Implementation of Reservation Policy in Faculty Recruitment in IIT Guwahati

The Board was apprised that the Ministry of Education (erstwhile MHRD) vide its letter dated 18/11/2019 has advised IITs to implement the “The Central Education Institutions (Reservation in Teachers’ Cadre) Act, 2019.

Status report on Current Faculty positions, current vacancy positions and Breakup of category wise vacancy is as follows:

Current Faculty positions:

1.	Faculty in position						408
2.	Category-wise break-up						
	GEN	SC	ST	OBC	PwD	Total	
	373	17	02	13	03	408	

Current Vacancy positions:

1.	Current Students’ Strength	6959
2.	Sanctioned Faculty Strength (1 : 10 ratio of Faculty : Students)	696
3.	Faculty in position	408
4.	Vacant Positions	288

Breakup of category-wise vacancy

Name of the Institute	Category-wise break-up						
	GEN	SC	ST	OBC	EWS	PwD	Total
IIT Guwahati	130	43	22	78	15	AS PER RULE	288

At present, vacant positions at IIT Guwahati is 288 and it is proposed to filled up by 60 faculty positions in the year 2021-22.A draft reservation roster for first 100 points is prepared for all the categories and placed as **Annexure –2** (pg.56-57) for approval of the Board.

The matter was deliberated in detail and the Board advised the Institute that while implementing the reservation policy in Faculty Recruitment the standard of competence should be maintained. The Board also deliberated that while implementing the reservation policy steps should be taken for adequate representation of the Divyang (PWD) candidates as per govt. norms.

The Board advised to formulate a strategy to attract young faculties/talent to the Institute and to prepare a roadmap for innovative future recruitment. The Board suggested to constitute a Committee with the following members for the same:

1. Padmashri Dr. Prahlada Rama Rao-Member BOG
2. Prof. Varadraj B. Bapat-Member BOG
3. Director ,IIT Guwahati
4. Two Deans of IIT Guwahati. who will be nominated by the Director

After deliberation in detail the Board resolved as below:

Resolution No: R_106BOG/03/2021

RESOLVED to **APPROVE** the proposal of Implementation of Reservation Policy in Faculty Recruitment in IIT Guwahati as per GOI norms.

RESOLVED that the proposal to fill up 60 faculty positions in the entry level in the year 2021-22.and the reservation roster for first 100 points as given in **Annexure- –2(pg.56-57)** be **APPROVED**.

RESOLVED to **APPROVE** the constitution of a Committee with the following members to formulate a strategy to attract young faculties/talent to the Institute and to prepare a roadmap for innovative future recruitment with implementation of Reservation policy:

1. Padmashri Dr. Prahlada Rama Rao-Member BOG
2. Prof. Varadraj B. Bapat-Member BOG
3. Director ,IIT Guwahati
4. Two Deans of IIT Guwahati. who will be nominated by the Director, IIT Guwahati

Item No.4

Approval to the recommendations of the Selection Committee for recruitment to the various Group A non-faculty posts

An advertisement No IITG/R/11/2019 dated 14.10.2019 was advertised for open recruitment of Medical Officers and an internal circular no R&P174/Modality/IR/2020/71 was circulated vide dated 11.01.2021 . The posts for which the advertisements were done are as follows :

SI No	Name of the post(s)	No. of posts	Category for the post				Pay Level as per 7CPC	Mode and Method of recruitment
			UR	SC	S T	OBC		
1.	Medical Officer	01				01	10	Open/ Interview
2.	Deputy Registrar	01	01				12	Internal Recruitment/Interview
3.	Executive Engineer	02	02				11	Internal Recruitment/Interview
4.	Technical Officer Gr.I	01	01				11	Internal Recruitment/Interview

The Board deliberated on the matter and resolved as under:

Resolution No: R_106BOG/04/2021

RESOLVED to APPROVE the recommendation of the Selection Committee for recruitment of Gp.

A positions both in internal as well as open mode as below:

1. **Appointment to the post of Medical Officer through Open Interview in the Pay matrix level - 10 as per 7th CPC (PB 3;Rs.15600-39100/-Grade Pay Rs.5400/- as per 6th CPC) as under:**

SI No	Name	Category	Pay
1.	Dr. Palash Bortamuly	OBC	As per norms

2. **Appointment to the post of Deputy Registrar (Promotion) in the Pay Matrix Level-12 as per 7th CPC (PB 3;Rs.15600-39100/-Grade Pay=Rs.7600/- as per 6th CPC) as under:**

SI No	Name	Category	Pay
1.	Mr. Gunamani Das	UR	As per norms

The Board further **APPROVES** the panel which will be valid for one year as recommended by the Departmental Promotional Committee (DPC).

3. **Appointment to the post of Executive Engineer (Promotion) in the Pay Matrix Level-11 as per 7th CPC (PB 3;Rs15600-39100/-Grade Pay=Rs. 6600/- as per 6th CPC) as under:**

SI No	Name	Category	Pay
1.	Mr. Dibyajyoti Dutta	UR	As per norms
2.	Mr. Srikanta Senapati	UR	As per norms

The Board further **APPROVES** the panel which will be valid for one year as recommended by the Departmental Promotional Committee (DPC).

4. **Appointment to the post of Technical Officer Gr I (Promotion) in the Pay Matrix Level-11 as per 7th CPC (PB 3;Rs15600-39100/-Grade Pay=Rs.6600/- as per 6th CPC) as under:**

SI No	Name	Category	Pay
1.	Mr. Harsaraj Biswanath	UR	As mentioned above

The Board further **APPROVES** the panel which will be valid for one year as recommended by the Departmental Promotional Committee (DPC).

Item No 5

Decretal award amount of Rs. 28,63,075/-, as per the order dtd.22-05-2017 passed by the Hon'ble Gauhati High Court in WP(C) No. 4857/2015 (Ranjit Kalita Vs the State of Assam & others)

The Board was apprised that, to resolve the matter of Decretal award amount of Rs. 28,63,075/-, as per the order dtd.22-05-2017 passed by the Hon'ble Gauhati High Court in WP(C) No. 4857/2015 (Ranjit Kalita Vs the State of Assam & others a meeting was convened on 04th September, 2020 at the office of the Deputy Commissioner, Kamrup which was attended by then HoS (Legal) as representative of the Institute. In the meeting, it was decided to take up the matter with the Government of Assam in Technical Education / Higher Education Department for arrangement of the said Decretal amount of Rs 28,63,075/- in compliance of the Hon'ble Gauhati High Court order.

The matter was placed before the BOG for information and advice.

The Board discussed and resolved as below:

Resolution No: R_106BOG/05/2021

RESOLVED that the decision to take up the matter with the Government of Assam in Technical Education / Higher Education Department for arrangement of the said Decree amount of Rs 28,63,075/- in compliance of the Hon'ble Gauhati High Court order be **NOTED**.

Item No.6

Approval to the proposal for re-inserting the clause 2.13 with revised content and incorporating two new clause(s) in the Policy for grant of permission for higher studies for the non-teaching employees

The Board was apprised that with implementation of incentive scheme for acquiring fresh higher qualification as per DOPT's letter No.1/5/2017-Estt (Pay-I) dated 15.03.2019 in the 97th BOG meeting held on 11.06.2019, the clause 2.13 of the policy for grant of permission for Higher Studies for the non-teaching employees was withdrawn.

Now it is proposed to re-insert the following as clause 2.13:

- **Clause 2.13** One time Lump sum Incentive for acquiring higher qualification for courses in fields that are directly relevant to the employees job will be admissible as per DoPT letter No.1/5/2017-Estt (Pay-I) dated 15.03.2019 or as per extent rules and guidelines of the Govt. on the subject to be issued time to time .

Further another two clause 2.16 and 6 with sub clause 6.1 is proposed as below

- **Clause 2.16:** The permission sought for Higher Studies Should be from Institutions recognised by Gol/UGC/AICTE/MoE etc.
- **Clause 6::**Decision regarding Degree /Diplomas pursued without approval of the Competent Authority

6.1 -Any degree or diplomas pursued without approval of the Competent Authority will not be considered/ updated in the service record of the employee in the Institute.

The Board was requested to approve the proposal of reinserting clause 2.13 with revised content and inclusion of two more clause 2.16, 6 with sub clause 6.1 in the existing Policy for Grant of permission for Higher Studies for Non-teaching employees of the Institute.

The Board discussed and resolved as below:

Resolution No: R_106BOG/06/2021

RESOLVED to APPROVE re-inserting the following as Clause 2.13 in the existing Policy for Grant of permission for Higher Studies for Non-teaching employees of the Institute:

***Clause 2.13**-One time Lump sum Incentive for acquiring higher qualification for courses in fields that are directly relevant to the employees job will be admissible as per DoPT letter No.1/5/2017-Estt (Pay-I) dated 15.03.2019 or as per extent rules and guidelines of the Govt. on the subject to be issued time to time*

RESOLVED to APPROVE inserting of two new clause 2.16 and Clause 6 with sub clause 6.1 in the existing Policy for Grant of permission for Higher Studies for Non-teaching employees of the Institute as below:

- **Clause 2.16:** The permission sought for Higher Studies Should be from Institutions recognised by GoI/UGC/AICTE/MoE etc.
- **Clause 6::**Decision regarding Degree /Diplomas pursued without approval of the Competent Authority

6.1 -Any degree or diplomas pursued without approval of the Competent Authority will not be considered/ updated in the service record of the employee in the Institute.

Item No 7

Approval to delegation of power of the Director to the Registrar regarding signing of Agreement and Legal document of the Institute:

The Board was acquainted with the fact that as per Clause 19 (4) of the Institutes of Technology Act 1961, Registrar shall exercise such other powers and perform such other duties as may be assigned to him by the Act or the Statutes or by the Director.

With increasing administrative and academic work schedule of the Director, it was proposed to delegate the power of the Director regarding signing of contract agreement with contractor and the legal document of the Institute to the Registrar who is the custodian of Institute Assets and Property so that Director can concentrate more on the Academic/Research activities and contribute to move the Institute to the next higher level.

The Board deliberated on the matter and resolved as below:

Resolution No: R_106BOG/07/2021

RESOLVED that the delegation of power of the Director regarding signing of contract agreement with contractor and the legal document of the Institute to the Registrar be **APPROVED**.

Item No 8

Approval to the proposal of Delegation of Power of the Dean and Associate Dean of the Industrial Interaction and Special Initiatives (II&SI)

The Board was intimated that two new positions of Associate Deans are created in the Industrial Interaction and Special Initiatives Section.

With creation of the two positions the delegation of power of the two Associate Dean are proposed as given as **Annexure-3** (pg.58-60)

The Board was requested to Approve the Proposed Delegation of Power of Dean and Associate Dean, II&SI

The Board discussed and resolved as below:

Resolution No: R_106BOG/08/2021

RESOLVED that the Delegation of Power of Deans and Associate Deans of II&SI (Industrial Interaction and Special Initiatives) section as given in **Annexure-3**(pg.58-60) be **APPROVED**.

Item No. 9

Approval to the modification of Delegation of Powers of functionaries of the Institute in respect of Clause 3.19 (MoUs with External Institutions) of Administrative Matters

The Board was apprised that following modifications in clause 319 of the Delegation of Powers of functionaries of the Institute are proposed to bring clarity regarding signing of MOUs with external Institution

Clause	Previous Delegation of Power		Proposed Changes	
3.19	MOUs with External Institutions	MOUs to be signed by the Dean AER / Dean R&D/ Registrar/ Director as per requirements	i. MOUs with Foreign University	MOUs to be signed by the Dean AER/ Registrar/ Dean (R&D) as the case may be
			ii. Various foreign inbound and outbound academic programmes of students	
			iii. International events	

The Board was requested to consider and approve the aforementioned changes in Clause 3.19 of the Delegation of Powers of functionaries of the Institute.

The Board deliberated on the matter as below:

Resolution No: R_106BOG/09/2021

RESOLVED that changes proposed in Clause 3.19 of the Delegation of Powers of functionaries of the Institute be **APPROVED** as per the table above.

Item No. 10

Request for formal recognition of the IITG SC/ST Employee Welfare Association

The Board was informed that a letter dated 18.03.2021 was received from the group of representatives of the ST-SC employees requesting for an update in the status of their request regarding formal recognition of the IITG SC/ST Employees 'Welfare Association and thereby allowing the formation of a Society which was placed earlier in the 88th Meeting of BOG held on 23.03.2017.

In view of the above, the Board was requested to decide on the matter.

After extensive discussion on the matter the Board Advice the Institute to summarize and present in detail whether such organization exist in all other 22 IITs and if exist the status of such organization in that Institute.

The Board discussed, deliberated and resolved as below:

Resolution No: R_106BOG/10/2021

RESOLVED that the Item for consideration of the request for formation of “**IITG SC/ST Employees Welfare Association**” be **DEFERRED** for the time being and to submit a detail report on the status of such organization (if any) in other 22 IITs.

Item No. 11(A)

Approval to the proposal for adoption and implementation of the “ART of an Institution” document for the development of IIT Guwahati and achieve higher levels in terms of international standards :

IIT Guwahati endeavors to make a mark as an Institute of International Standing and to make this vision a reality, a committee was constituted under the Chairmanship of Prof. Arun Chattopadhyay, Dept. of Chemistry, IITG for Advancing International Standing of the institute

The Committee prepared a report entitled “ART of an Institution” with an aim to take the Institute to greater heights in all aspects. The timeless tradition of pursuit of excellence holds the key to the strength and longevity of an Institution. The document “ART of an Institution” in which “**A**” is

for Administration, “R” is for Research and “T” is for Teaching provides sufficient strength to work in collaboration and to take the Institute forward in serving the Interest of the society.

The Board was requested to consider and approve the initiative of ” ART of Institution“ with its first edition.

The Board discussed and deliberated as below:

Resolution No: R_106BOG/11A/2021

The Board **ACCEPTED** the initiative of ” ART of Institution ” with its first edition as given in **Annexure- 4 (pg.61-88)** and recommends constitution of a task force by the Director of the Institute so that it could decide and recommends the items to be implemented in the Institute.

The Board applauded IIT Guwahati for such an initiative and prepare such document where the three pillars of an Institution Administration, Research and Teaching provides sufficient strength to work in collaboration and help the Institute to make a mark as an Institute of International Standing.

Item No 11(B)

The Report on Implementation of National Education (NEP) Policy at IIT Guwahati

The Board was updated that in order to prepare a roadmap for the implementation of NEP 2020 in IIT Guwahati, Director IIT Guwahati constituted a committee on 3rd November 2020. The committee, after multiple deliberations, summarized the feedback and prepared a report, viz. Implementation of national Education Policy at Indian Institute of Technology of Technology Guwahati.

Regarding the same a brief power point presentation was also made before the Board during the meeting by Prof. Dipankar Bandopadhyay, HOC, Centre for Nanotechnology.

The Board was requested to consider the report on Implementation of National Education (NEP) Policy at IIT Guwahati and advice on the matter.

The Board discussed and deliberated as below:

Resolution No: R_106BOG/11 B /2021

The Board **ACCEPTED** the report on Implementation of National Education (NEP) Policy at IIT Guwahati and **ADVISED** that while implementing the NEP in IIT Guwahati multidisciplinary approach should be encouraged.

The Board applauded the presentation of Prof Bandopadhyay, HOC Centre for Nanotechnology and **ADVISED** that while implementing the NEP in IIT Guwahati multidisciplinary approach should be encouraged.

Item No 12

Approval to the enhancement of the fixed medical allowance from Rs.500/- to Rs.1000/- as per GOI guidelines admissible to eligible pensioners/family pensioners thereby modifying the existing options of medical facilities eligible to pensioners and family pensioners of the Institute:

The Board was apprised that the pensioners / family pensioners of the Institute are provided with one of the following two options as medical facilities:

- i) Free OPD consultation services, diagnostic / pathological tests available at indoor services in the IIT Guwahati Hospital, plus medicines available with the IIT Guwahati Hospital pharmacy up to Rs.300/- per month at the Institute Hospital.

OR

- ii) Medical Allowance @ Rs. 300/- per month in lieu of availing the facilities, as mentioned in (i) above.

This medical allowance was revised time to time as per notification of Ministry of Personnel, Public Grievances & Pensions, DP&PW , GOI. Similarly this time also Ministry of Personnel vide OM No 4/34/2017-P&PW (D) dated 19.07.2017 conveyed the sanction of the President for enhancement of the amount of Fixed Medical Allowance from Rs 500/- to Rs 1000/- per month keeping the other terms and condition same.

The Board was requested to approve enhancement of the rate of the fixed medical allowance from Rs.500/- to Rs. 1000/- as per GOI guidelines admissible to eligible pensioners/family pensioners with immediate effect.

With enhancement of the rate of the fixed medical allowance from **Rs.500/- to Rs. 1000/-** as per GOI guidelines the Board was also requested to revise the first option given above in the following lines- *“Free OPD consultation services, diagnostic / pathological tests available at indoor services in the IIT Guwahati Hospital, plus medicines available with the IIT Guwahati Hospital pharmacy up to **Rs.1000/- per month** at the Institute Hospital.”*

The Board after deliberation resolved as below:

Resolution No: R_106BOG/12 /2021

RESOLVED to APPROVE as below :

The pensioners / family pensioners of the Institute are provided with one of the following two options as medical facilities with immediate effect with enhancement of the rate of the fixed medical allowance from Rs.500/- to Rs. 1000/- as per GOI guidelines.

- i. Free OPD consultation services, diagnostic / pathological tests available at indoor services in the IIT Guwahati Hospital, plus medicines available with the IIT Guwahati Hospital pharmacy up to Rs.1000/- per month at the Institute Hospital.

OR

- ii. Fixed Medical Allowance @ Rs. 1000/- per month as per GOI guidelines admissible to eligible pensioners/family pensioners in lieu of availing the facilities, as mentioned in (i) above.

Item No. 13

Status report of Dr.B.K.Rai after his Compulsory retirement order dt. 01/01/2020

The Board was updated about the status report in regards to Dr. B K Rai case after the penalty of compulsory retirement was imposed upon Dr. B.K. Rai w.e.f. 01.01.2020 as per the decision of the Board in its 100th meeting held on 14.11.2019.

The Board noted the information under the following heading (details at **Annexure – 5** pg.89-92) as reported

- 1. Court Case**
- 2. Appeal before Visitor**
- 3. Threatening Letters**
- 4. RTI applications of Dr.B.K. Rai**
- 5. Non-payment of Licence fee for the period from February,2020 till February,2021**
- 6. Regarding Mr. Himanchal Singh and Mr. Vikrant Singh, Students of IITG in the Dept. of EEE**

It was also apprised to the Board that Dr. Rai vide letter dated 30.03.2021 wrote to the Visitor of the Institute , Board Chairman, Secretary MoE with false allegation about the IIT Administration.

The Board was also informed about ploy of Dr B K Rai to mobilize students as well as some shopkeepers across the faculty gate to a protest and tarnishing the image of the Institute . Also threatened Chairman BOG of hunger strike in the Institute, if no action is taken against Institute

authority vide letter dated 30.03.2021. (Both the letter and the tweet concerning the same is enclosed as **Annexure-6** (pg.93-95)

The matter was placed before the BOG for information and advice.

After detailed discussion on the matter, the Board suggested the following:

- Legal action may be taken against Dr B K Rai and his students for defaming the Institute time and again with various false allegation and maligning the Institute's name by spreading false propaganda in the social media/print media etc about the Institute and its dignitaries.
- License fee shall be collected from Dr. Rai as per the rules of the Institute.

Resolution No: R_106BOG/13 /2021

RESOLVED that Status report of Dr.B.K.Rai after his Compulsory retirement order dt. 01/01/2020 be **NOTED**.

Further the Board authorized the Director to initiate legal action against Dr B K Rai and his students Mr. Vikrant Singh and Mr. Himanchal Singh for defaming the Institute time and again with various false allegation and maligning the Institute's name by spreading false propaganda in the social media/print media etc about the Institute and its officials and authorities through the advice of Institute Legal retainer.

ADVISED the Institute to collect License fee from Dr. Rai as per the rules of the Institute.

Item No 14

Status of the Disciplinary Cases against Mr. Himanchal Singh, Research Scholar, Department of EEE and Mr Vikrant Singh, Research Scholar, Department of EEE , IIT Guwahati & information regarding representation from some former /present students of Student General Council (SGC):

The Board was apprised about the status of the Disciplinary Cases against i) Mr. Himanchal Singh, Research Scholar, Department of EEE ,ii) Mr Vikrant Singh, Research Scholar, Department of EEE, IIT Guwahati (given at **Annexure-7** (pg 96-99) and iii) representation received from some former /present students of Student General Council (SGC) to take measures to stop such maligning postings in social /print media and warn the responsible person .

The Board was requested to Note and Advice.

Resolution No: R_106BOG/14 /2021

RESOLVED that the status of the Disciplinary Cases against Mr. Himanchal Singh, Research Scholar, Department of EEE, Mr Vikrant Singh, Research Scholar, Department of EEE, IIT Guwahati and Senate Resolution R154/11/2021 on the matter is **NOTED**.

RESOLVED that the representation received from some former /present students of Student General Council (SGC) requesting to take measures to stop such maligned postings in social /print media, as given in **Annexure-8** (pg.100) be **NOTED**.

A letter may be sent from the Institute to Mr Vikrant Singh and Mr Himanchal Singh, Research Scholar , Department of EEE , IIT Guwahati warning them not to be involved in such activities.

Item No.15

Approval to the proposal of the Senate regarding setting up of a Centre for Indian knowledge ,Sanskrit and Yoga under a new nomenclature “Centre for Indian Knowledge Systems”:

The Board was apprised that a proposal for setting up of a Centre for Indian knowledge, Sanskrit and Yoga was approved in the 103rd meeting of BOG held on 15.07.2020 . The Board further advised that details for setting up the Centre is to be worked out by Prof. Sukanya Sharma, HoD, Department of HSS and the same may be referred to the Senate of the Institute for further necessary action.

The same was put up in the 152nd Senate and the Senate vide resolution R.152/6/2021 approved the detailed proposal to start the new centre under the nomenclature “**Centre for Indian Knowledge Systems**” and start its PhD programme and recommended the same to be approved by BOG .

In view of the above the Board was requested to approve the proposal of setting up of centre under the nomenclature “**Centre for Indian Knowledge Systems**” instead of “**Centre for Indian knowledge ,Sanskrit and Yoga**” and start its PhD programme .

The Board discussed, deliberated and resolved as below:

Resolution No: R_106BOG/15 /2021

RESOLVED that the the proposal as given in **Annexure-9** (pg.101-123) of setting up of a centre under the nomenclature “**Centre for Indian Knowledge Systems**” instead of “**Centre for Indian knowledge ,Sanskrit and Yoga**” and start its PhD programme be **APPROVED**.

Item No.16

Approval to the revised proposal for Common Entrance Examination for Design (UCEED):

The Board was informed that a due to a typological error that has occurred in the 2nd para of the Item no.19 of 82nd Minutes where it should have been written as from 2016-17 academic year but inadvertently it was typed as for 2016-17 academic year.”

So it is proposed to rectify the error by replacing the word for with from and modify the Resolution **R_82/BOG/19/2015** as below:

Existing resolution	Modified resolution
“ RESOLVED that the recommendations of the 117 th Meeting of the Senate on admission to 4 year B Design programme of the Institute through UCEED 2016, for academic year 2016-17 be APPROVED with the following conditions	RESOLVED that the recommendations of the 117 th Meeting of the Senate on admission to 4 year B Design programme of the Institute through UCEED 2016, from academic year 2016-17 be APPROVED with the following conditions:

The Board was requested to approve the modified resolution (**R_82/BOG/19/2015**) after rectification of the typological error.

The Board discussed and resolved as below:

Resolution No: R_106BOG/16 /2021

RESOLVED to **APPROVE** the modified resolution (**R_82/BOG/19/2015**) after rectification of the typological error as per the aforementioned table.

Item No 17

Approval to the proposal for conversion of “Centre for Rural Technology to a School of Agro and Rural Technology”.

The Board was informed that the Centre for Rural Technology as an Academic Centre, started its academic programmes with effect from July 2016 in IIT Guwahati. The growth of the centre has been promising with successful running of notable M.Tech and PhD programme in Rural technology, funded projects from various sponsoring organizations and many completed MoUs.

During the course of the sojourn of the centre, it is being realized that Agro-technology is making its presence feel in the research and academic domain demanding immediate attention. Attending to the call, Agro – technology is being proposed to be integrated to the existing centre. This inclusion will help tailoring customized solution to the entire Rural mass as the rural livelihood in India is mostly agriculture based.

It is now proposed by the Centre to convert it into a School which will broaden the subject area of the Centre and attract students having zeal to serve the rural community with their attained skills. It will serve the rural community on a holistic and sustainable way in terms of habitat, agriculture, livelihood, health and other subject areas. Once converted to School, appropriate under graduate course can also be introduced. The school will try to address issues like Agro biotechnology, Land and water management, rural housing and rural energy, Automation in the agro-rural technology, Agro-business management, Telemedicine and agri-clinics and rural economics. The present proposal also justifies the NEP by giving education a vocational.

The matter was also placed in the 154th meeting of the Senate held on 20.04.2021 and the Senate approved the proposal of conversion of the Centre for Rural Technology to School of Agro and Rural Technology

The Board was requested to approve the proposal of conversion of the Centre for Rural Technology to School of Agro and Rural Technology with recommendation of the Senate.

The Board was also informed by the Director, that the School will receive CSR fund from Cadila Healthcare Ltd.

After deliberation the Board resolved as below:

Resolution No: R_106BOG/17 /2021

RESOLVED TO APPROVE the proposal of conversion of the "Centre for Rural Technology to School of Agro and Rural Technology " as per recommendation of the 154th Meeting of the Senate vide resolution R.154/6/2021.

Item No.18

Approval to the proposal for setting up a School of Health Sciences and Technology (SHST) at IIT Guwahati:

It was informed to the Board that a proposal for setting up a School of Health Sciences and Technology (SHST) at IIT Guwahati was placed in the 102nd Meeting of the BOG held on 17.03.2020. As per BoG's resolution, R_102BOG/06/2020 which approved, in principle, the concept and recommended that a detailed proposal be re-submitted (with detailed project report) indicating source and funding pattern for setting up a proposed a School of Health Sciences and Technology (SHST) at IIT Guwahati.

The detailed proposal was submitted to the Senate in its 154th Meeting held on 20.04.2021 for examination. The Senate after due examination approved the proposal of setting up a School for Health Sciences and Technology (SHST) in IIT Guwahati vide Resolution R.154/7/2021. The recommendation of the 154th Senate on the matter was placed in this BOG meeting for approval.

After a threadbare deliberation, the members of the Board considered that the proposal may be **ACCEPTED**. The Board further **ADVISED** that, through this program, IIT Guwahati, being a technological institute, should focus on cutting-edge scientific and translational inventions and/or innovations related to the Health Sciences and Technology. Further, the Board also suggested to put a major emphasis on the inventions and innovations pertinent to the unique ecosystem available in the North-East region, which may create a lasting impact on the holistic development of the nation in the long run. In addition, the Board suggested to make specific and futuristic objectives in bringing out novel solutions in this field of Health Sciences and Technology.

Resolution No: R_106BOG/18/2021

RESOLVED that the proposal for setting up a School of Health Sciences and Technology (SHST) at IIT Guwahati be **APPROVED** as per recommendation of the 154th Senate with a futuristic approach to the initiative as per advice of the Board.

Item No.19

Approval to the proposal to change the name of the School of Data Sciences and Artificial Intelligence IIT Guwahati into a name to be proposed by the Mehta Family Foundation

The proposal to start the School of Data Science and Artificial Intelligence at IIT Guwahati with 20 seats of B.Tech programme and Ph.D programme in Data Science and Artificial Intelligence from the AY 2021- 22 was approved in its 152nd meeting held on 03.02.2021 which recommended to place the proposal to BOG. The BOG, on 8.3.2021, approved, by circulation the starting of the school and its programs as per the recommendation of the Senate.

The proposal of the school indicated that there would be support from Mehta Family Foundation (MFF), Houston, USA. For receiving the support, a MoU with MFF is being finalized. Through this MoU, MFF will provide a major portion of funding for building the school infrastructure and also fund other academic activities such as partial support of visits of faculty members and students to US Universities, arranging conferences, instituting chair professors etc. The Senate in its 154th meeting discussed that the school should be named after their foundation and it was important for extending their support as per MFF proposal. Accordingly, a committee comprising of the Deputy Director, IIT Guwahati as Chairman, Dean of Academic Affairs, IIT Guwahati as member and Prof. R. Bhattacharjee, Head of the School of Data Science and Artificial Intelligence, as convenor was constituted to study the draft MoU in detail. The committee observed that there were several centres in different IITs bearing the name of individuals/contributors and suggested that renaming of the school to "Mehta Family School of Data Science and Artificial Intelligence", might be accepted. The committee recommends that the respective discipline name only shall appear in the degree certificates offered by IIT Guwahati. Further, as per the MoU, the committee also noted that Senior Professors from top notch US universities associated with MFF would be strategic advisors to this school and MFF would take care of their visits to the school for academic and research related activities. Such collaboration with outside India foundation for setting up a school will be for the first time by IIT Guwahati. Association and support from MFF will add international flavour to this school from its very inception.

The Senate in its 154th meeting vide resolution R.154/4/2021 approved the naming the School of Data Science and Artificial Intelligence at IIT Guwahati after the Mehta Family Foundation as "Mehta Family School of Data Science and Artificial Intelligence".

The Board was requested to approve the proposal of the naming the School of Data Science and Artificial Intelligence at IIT Guwahati after the Mehta Family Foundation as "Mehta Family School of Data Science and Artificial Intelligence".

The Board discussed and deliberated as below:

Resolution No: R_106BOG/19/2021

RESOLVED that the proposal of the naming the School of Data Science and Artificial Intelligence at IIT Guwahati after the Mehta Family Foundation as "Mehta Family School of Data Science and Artificial Intelligence" be **APPROVED** as per recommendation of the 154th Senate Meeting held on 20.04.2021.

SECTION- C : Items for Ratification and Reporting

Item No 20

Items approved by the Chairman, Board of Governors

Following items approved by the Chairman BOG are being reported to the Board

- a. Approval to the revised guidelines of Cumulative Professional Development Allowance (CPDA)** which was circulated in the Institute vide Circular FA/56/IITPDA/2020/VOL.II/203 dated 05.03.2021. The Board was requested to ratify the approval of the Chairman .

Resolution No : **R_106BOG/20/2021**

RESOLVED to RATIFY the approval of the Chairman, BOG as reported.

Item No. 21

Items approved by the Director:

Following items approved by the Director are being reported to the Board

- a. New Appointments and/or Extension of period of appointment of some of the officials in the existing positions as under**

Sl. No. & Official	Position	Period of Appointment
1. Prof. Mihir Kr. Purkait	Dean, AER	For three years w.e.f. 01.01.2021
2. Prof. T. Punniyamurthy	Chief Vigilance Officer (CVO)	For three years from taking over charge
3. Prof. Kalpesh Kapoor	HoD, Mathematics	For three years from taking over charge
4. Prof. Sudip Mitra	HOC, Centre for Disaster Management & Research	For three years from taking over charge
5. Prof. S. K. Dwivedy	HOC, Centre for Intelligent Cyber-Physical Systems	For three years from taking over charge
6. Prof. Utpal Bora	HOC, Centre for Environment	For three years from taking over charge
7. Prof. Sharad Gokhale	HOD, Civil Engineering	For three years w.e.f. 16.02.2021

8. Prof. G. Sajith	Associate Dean of Faculty Affairs	For three years w.e.f. 16.02.2021
9. Prof. Ratnajit Bhattacharjee	Head, CCC	For three years w.e.f. 22.02.2021
10. Prof. Ratnajit Bhattacharjee	Head of the School of Data Science & Artificial Intelligence	For three years from taking over charge
11. Prof. Sukumar Nandi	DoIPM	For three years w.e.f. 24.02.2021
12. Ms. Manoshee Neog	HoS(i/c), PRBR	Until further orders from the CA
13. Prof. A. S. Achalkumar	Dean, OEP	For three years w.e.f. 16.03.2021

- b. Confirmation of Non- Faculty Members as given below in list A during the period from March 2020 till February 2021 as under:**

LIST –A

Sl. No	Name	Post against which service is confirmed	Dept./Centre/Section
1	Mr. Kulendra Singha	Junior Technician	Computer & Communication Centre
2	Mr. Hitendra Josahary	Junior Technician	Computer & Communication Centre
3	Mr. Motiur Rahman	Junior Technician	Electronics & Electrical Engineering
4	Mr. Rakesh Singha	Junior Technician	Electronics & Electrical Engineering
5	Mr. Jatin Rabha	Junior Technician	Electronics & Electrical Engineering
6	Ms. Jyoti Kumari Mahato	Junior Technician	Chemical Engineering

- List -B** The contract period of the following non-faculty members was extended for a period of one year from 29.05.2020 to 28.05.2021 as under

1	Mr. Dulumoni Das	Junior Technician/ contract period extended for another 1(one) year w.e.f. 29.05.2020 to 28.05.2021	Central Workshop,
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c. Confirmation of Faculty Members as under :

Sl. No.	Name	Post
1.	DR. ARABIN KUMAR DEY	Associate Professor, Department of Mathematics
2.	DR. JITENDRIYA SWAIN	Associate Professor, Department of Mathematics
3.	DR. VINAY VILAS WAGH	Associate Professor, Department of Mathematics
4.	DR. OMKAR SURESH DESHMUKH	Assistant Professor Grade-I, Chemical Engineering
5.	DR. AGNIRUP SARKAR	Assistant Professor Grl, HSS

The Board was requested to ratify the approval of the Director

Resolution No : **R_106BOG/21/2021**

RESOLVED to **RATIFY** the decision taken by the Director as reported.

Item No. 22

Items for Reporting to the Board:

A. Signing of MoU between IIT Guwahati and Ministry of Education:

In pursuance of the Rule 229 (xi) of GFR , 2017 a memorandum of understanding (MOU) between Ministry of Education and the IITs are signed every year. This year also an MOU has been signed between Ministry of Education and IIT Guwahati for the financial year 2020-21.

B. Summary Report of redressal of grievance of SC ST employees and students during the year 2020-21 is reported as NIL.

C. Status of the Enquiry Committee Report based on the complaint made by Dr. Rajesh Kumar Srivastava against Prof S.N.Bora, Deptt of Mathematics and Prof. Rafikul Alam

The Inquiry Committee which was reconstituted vide Office Order Ref. No. AD/LM/RS/429/16/Vol.II/61 dated 02.11.2020 with the following two members:

1. Mr. Umesh Kumar, IPS (Retd.), Ex-DGP Assam.
2. Prof. N.C. Talukdar, Former Director, IASST, Guwahati.

As informed by the Presenting Officer, the Inquiry Committee have had three sittings till date. Dr. Rajesh Kr. Srivastava has deposed before the Inquiry Committee during the second and third sitting to record his statement.

- D. Reporting of the letter of Dr. Rajesh Srivastava on the subject “unprecedented delay of twelve months and lacking certain steps in Disciplinary Proceedings against Prof Swaroop Nandan Bora and Prof Rafikul Alam ex head Dept. of Mathematics”:** A letter dated 28.08.2020 addressed to the BOG has been received from Dr. Rajesh Kumar Srivastava, Assistant Professor, Department of Mathematics on the subject of unprecedented delay of twelve months and lacking certain steps in disciplinary proceedings against Prof. Swaroop Nandan Bora and Prof. Rafikul Alam former heads of the Department of Mathematics.
- E. Suspension of Mr Mishu Paul, Jr Assistant IPM section for being in judicial custody for more than 48 hours based on the FIR under section 49B (A)/354(b)/34 of the IPC with section 4 of the Dowry Prohibition Act and subsequent Reinstatement on duty w.e.f issue of the reinstatement office order dated 13.01.2021 based on court order dated 25.10.2019**
- F. Reporting of a letter of grievances/complaint received from one Dr. Sandeep Pahal, RTI activist dated 06.03.2021 where it is alleged corruption in illegal recruitment of at- least 30 Junior Assistant at IIT Guwahati.**
- G. Extension of period of service in respect of Prof. Pradeep Yammiyavar as Visiting Professor in the Department of Design for a period of three months w.e.f.1st March 2021 based on the recommendation of DFAC and justification given by the HoD, Department of Design,**
- H. Extension of lien in respect of Dr. Pranjal Chandra, Assistant Professor, Department of Biosciences and Bioengineering for a period of 6 (six) months with effect from 03.01.2021 as his job confirmation and salary matching may take some more time at IIT (BHU)**
- I. Roles and responsibilities of Associate Dean of Faculty Affairs are as below:**

1.	Regular Faculty Recruitment matters
2.	Special Casual Leave for Faculty Members to attend Conference, seminars, selection committees invited talk – 5 days a stretch.
3.	Leave matters for Assistant Professors/Assoc. Professors
4.	Management of matters of various Chair positions
5.	RTI matters
6.	Settlement of LTC bills
7.	Settlement of PDA bills other than TA bills
8.	Settlement of all advances
9.	Open Access Journal Matters
10.	Automation matters

Dean, Faculty Affairs will further oversee any issues remaining unresolved within jurisdiction of the Associate Dean of Faculty Affairs.

J. Regularisation of leave during pandemic:

The BoG in its 103rd meeting held on 15.07.2020 approved on duty leave from 25.03.2020 to 31.05.2020 only, the leave of absence before 25.03.2020 and after 31.05.2020 in respect of the said faculty members, who were out of station were regularized by sanctioning their leave of absence as Vacation Leave/Earned Leave/Half pay leave /Leave without Pay as deemed fit.

In the meantime, the Ministry of Human Resource Development issued a letter under reference No. 16-6/2020-U1A dated 30.06.2020, by permitting the work from home till 31.07.2020 in order to ensure safety, and the said period shall be counted as being 'ON DUTY' for all Faculty members/Teachers/Res-searchers/Non-Teaching staff.

Depending on the Ministry of HRD's letter issued dated 30.06.2021, with approval of the Competent Authority of the Institute following were revision were made and Faculty Members were allowed to regularize the leave as detailed below:

1. The period of absence of faculty members in person from duty, if any, during the period from 25.03.2020 to 31.07.2020 were considered as 'ON DUTY' even if the faculty members were not in headquarter, but if they have carried teaching through online mode and have satisfactorily managed the course load assigned to them during the above mentioned period.
2. The period of absence before 25.03.2020 and after 31.07.2020 were regularized

by sanctioning the leave of absence as Vacation Leave/Earned Leave/Half Pay Leave/Leave Without Pay as deemed fit.

3. Vacation Leave due to the faculty members during the Summer Vacation Period of 2020 was converted to Earned Leave.

K. Implementation of preventive measures to check the spread of COVID 19 in the Institute:

- i. In view of the sudden surge in Covid 19 cases in the campus and across the state in recent days, maximum strength of employees coming from outside of the campus is decided to reduce to 50% attendance on rotational basis. Persons with disabilities, Pregnant women employees and women employees with children of five years or below will be allowed to work from home.
- ii. Apart from the above following Covid centers are set up for welfare of the IIT community.
 - a. Covid 19 Testing Centre with both RAT & RTPCR
 - b. Covid 19 Quarantine Facility in the Guest House
 - c. Isolation facility for the Covid 19 positive cases
- iii. Reported that due to recent rise in the number of Covid positive cases the Institute has decided to send back the students except PhD/M Tech 2nd year by 30th April 2021.

Resolution No : **R_106BOG/22/2021**

The Board **NOTED** the matters as **REPORTED**.

SECTION- D: Minutes of meetings of Statutory bodies for reporting to the Board

Item No. 23

Minutes of the One Hundred and Fifty-second (152nd), One Hundred and Fifty-Third (153rd) and One Hundred and Fifty-fourth (154th) meeting of the Senate of the Institute held on 03.02.2021, 12.03.2021 & 20.04.2021 respectively through Video conferencing mode.

The Board **CONSIDERED** the Minutes of the One Hundred and Fifty-second (152nd) , One Hundred and Fifty-third (153rd) and One Hundred and Fifty-fourth (154th) meeting of the Senate of the Institute held on 03.02.2021 ,12.03.2021 &20.04.2021 respectively through Video conferencing mode and **RESOLVED** as below:

This is placed before the Board in terms of the Section 4(10) of the Statute.

The following are the Agenda Items and Resolutions of the 152nd, 153rd and 154th Senate Meeting :

152nd Meeting of Senate of the Institute		
Item No.	Item	Resolution
<u>Item 1:</u>	Confirmation of the Minutes of the 151st Meeting of the Senate held on 23rd December 2020.	<u>R.152/1/2021:</u> The Senate RESOLVED that the Minutes of the 151 st Meeting of the Senate held on 23 rd December 2020 be APPROVED .
<u>Item 2:</u>	Action taken report on the decisions of the 151st Meeting of the Senate held on 23rd December 2020.	<u>R.152/2/2021:</u> The Senate RESOLVED that the Action taken report on the decisions of the 151 st Meeting of the Senate held on 23 rd December 2020 be APPROVED .
<u>Item 3:</u>	To consider the representation of Mr. Thomas Raju dated January 05, 2021 seeking permission to join the B.Des Course at IIT Guwahati by shifting from IIITDM, Jabalpur	<u>R.152/3/2021:</u> The Senate unanimously RESOLVED that the representation of Mr. Thomas Raju be REJECTED .
<u>Item 4:</u>	To consider the Course Feedback Report for July-Nov 2020 Semester	<u>R.152/4/2021:</u> The Senate RESOLVED that the Course Feedback Report for July-Nov 2020 Semester be APPROVED .
<u>Item 5:</u>	To consider a comparative study between the ONLINE and OFFLINE semester results.	<u>R.152/5/2021:</u> The Senate RESOLVED that the comparative study between the ONLINE and OFFLINE semester results be APPROVED .
<u>Item 6:</u>	To consider a proposal to start a new centre viz. Centre for Indian Knowledge Systems.	<u>R.152/6/2021:</u> The Senate RESOLVED that the proposal to start a new centre viz. Centre for Indian Knowledge Systems and start its PhD programme be APPROVED and RECOMMENDED to be placed in the BOG.
<u>Item 7:</u>	Status report of the Special Senate Committee formed for investigating the disciplinary matter of the Ph.D students Mr. Vikrant Singh and Mr. Himanchal Singh.	<u>R.152/7/2021:</u> The Senate RESOLVED that the status report of the Special Senate Committee recommending submission of an undertaking by Mr. Himanchal Singh for possible permission to come back

		to the campus and request of extension of time up to March 15, 2021 for submitting recommendations on Mr. Vikrant Singh be APPROVED .
<u>Item 8:</u>	Status report on welcoming the students back to campus and review.	<u>R.152/8/2021:</u> The Senate RESOLVED that the Status report on welcoming the students back to campus and its review, as per above decisions, be APPROVED .
<u>Item 9:</u>	To consider the list of graduating students who have completed their Ph.D/Dual Ph.D Degree programmes after 15.12.2020 till 31.01.2021 for the award of degrees	<u>R.152/9/2021:</u> The Senate RESOLVED that the list of graduating students who have completed their Ph.D/Dual Ph.D Degree programmes after 15.12.2020 till 31.01.2021 for the award of degrees be APPROVED and RECOMMENDED to the Board of Governors to confer degrees.
<u>Item 10:</u>	To consider recommendations of the IPPC on the draft ordinance of JDP with IIT (BHU).	<u>R.152/10/2021:</u> The Senate RESOLVED that the ordinance for JDP with IIT (BHU) as stated above and proposal to start the JDP from the AY 2021-22 be APPROVED and RECOMMENDED to be placed to BOG.
<u>Item 11:</u>	To consider the recommendations of IPPC, in its meeting held on 13.01.2021, regarding revision in clause 10.5 in the Ph.D. Ordinances and Regulations, and on the nomenclature for PhD supervisors.	<u>R.152/11/2021:</u> The Senate RESOLVED that the recommendations of the IPPC, in its meeting held on 13.01.2021, regarding revision in clause 10.5 in the Ph.D. Ordinances and Regulations, and on the nomenclature for PhD supervisors, as stated above be APPROVED .
<u>Item 12:</u>	To consider recommendations of the 109th IPPC meeting, held on 13.01.2021, on a proposal from the CCD for internship to postgraduate students.	<u>R.152/12/2021:</u> The Senate RESOLVED that the recommendations of IPPC, in its meeting held on 13.01.2021, on a proposal from the CCD for internship to postgraduate students, as stated above be APPROVED .
<u>Item 13:</u>	To consider recommendations of the 109th IPPC meeting, held	<u>R.152/13/2021:</u> The Senate RESOLVED that the

	on 13.01.2021 on the termination of Mr. Bijit Kalita (Roll No. 196103103) from Ph.D program.	recommendations of the 109th IPPC meeting, held on 13.01.2021 on the termination of Mr. Bijit Kalita (Roll No. 196103103) from Ph.D program and recovering the Teaching Assistantship paid along with a penalty be APPROVED .
Item 14:	To consider application of Mr. Ashish Yadav (Roll No. 136105007), Ph.D student, DoD seeking semester leave on health ground.	R.152/14/2021: The Senate RESOLVED that a break of one year during Jan-Dec 2021 for Mr. Ashish Yadav (Roll No. 136105007), Ph.D student, DoD be APPROVED as a special case.
Matters sought to be placed for information before the 152st Meeting of the Senate		
Item 15:	<p>15(a): Addition of Supervisors</p> <p>Item 15 (b): Change of Studentship Category of Ph. D Students</p> <p>Item 15 (c): Appointment of Co-Supervisors from External Organization</p> <p>15(d): To report about granting permission for Semester leave/drop or Non-Academic Leave</p>	<p>R.152/15(a)/2021: The Senate RESOLVED that addition of Supervisors of four (04) Ph.D Students be NOTED.</p> <p>R.152/15(b)/2021: The Senate RESOLVED that change of Studentship category of 2 (Two) Ph.D Students be NOTED.</p> <p>R.152/15(c)/2021: The Senate RESOLVED that the appointment of Co- Supervisors from External Organization of 1(one) student be NOTED.</p> <p>R.152/15(d)/2021: The Senate RESOLVED that the granting permission for Semester leave /drop or Non-Academic Leave for 1(one) student be NOTED.</p> <p>R.152/15(e)/2021: The Senate RESOLVED that the granting permission for longer duration for 2(two) students be NOTED.</p>

	<p><u>Item 15(e):</u> To report about granting permission for Academic leave for longer duration</p> <p><u>Item 15(f):</u> Reporting items from 115th IUPC meeting</p> <p><u>Item 15(g):</u> Reporting items from 109th IPPC meeting</p> <p><u>Item 15 (h):</u> Reinstatement/termination of UG and PG students after conclusion of July-Nov 2020 semester</p> <p><u>Item 15 (i):</u> To consider matters related to reinstatement appeals of Mr. Narthu Hareesh (Roll No. 182121027), MSc, Physics</p> <p><u>Item 15 (j):</u> Completion of Ph.D by Research Scholars</p>	<p><u>R.152/15(f)/2021:</u> The Senate RESOLVED that the reporting items from 115th IUPC meeting be NOTED</p> <p><u>R.152/15(g)/2021:</u> The Senate RESOLVED that the reporting items from 109th IPPC meeting be NOTED.</p> <p><u>R.152/15(h)/2021:</u> The Senate RESOLVED that the Reinstatement/termination of UG and PG students after conclusion of July-Nov 2020 semester be NOTED.</p> <p><u>R.152/15(i)/2021:</u> The Senate RESOLVED that matter related to reinstatement appeals of Mr. Narthu Hareesh (Roll No. 182121027), MSc, Physics be NOTED.</p> <p><u>R.152/15(j)/2021:</u> The Senate RESOLVED that the report about completion of Ph.D by Research Scholars be NOTED</p> <p><u>R.152/15(k)/2021:</u> The Senate RESOLVED that the Request for appearing in the 3rd comprehensive examination by Ms. Pooja Kumari (Roll No. 196121022), PhD, Dept. of Physics be NOTED.</p>
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	<p>Item 15 (k): Request for appearing in the 3rd comprehensive examination by Ms. Pooja Kumari (Roll No. 196121022), PhD, Dept. of Physics</p> <p>Item 16: Proposal for starting a School of Data Science and Artificial Intelligence at IIT Guwahati.</p> <p>Item 17: To consider a presentation on NEP 2020.</p> <p>Item 18: Starting of academic programmes in the recently approved academic centres, viz., (i) Centre for Intelligent Cyber Physical Systems and (ii) Centre for Disaster Management and Research.</p>	<p>R.152/16/2021: The Senate RESOLVED that the proposal for starting the School of Data Science and Artificial Intelligence at IIT Guwahati and to start a Ph.D programme along with a B.Tech programme in Data Science and Artificial Intelligence with 20 seats from the AY 2021-22 be APPROVED and RECOMMENDED to place the proposal to BOG.</p> <p>R.152/17/2021: The Senate RESOLVED that the report on steps to be taken by IIT Guwahati for implementation of National Education Policy (NEP) 2020 BE APPROVED and RECOMMENDED to place the report to BOG.</p> <p>R.152/18/2021: The Senate RESOLVED that starting of the academic programmes in the (i) Centre for Intelligent Cyber Physical Systems and (ii) Centre for Disaster Management and Research as stated above be APPROVED and RECOMMENDED to place to the proposal to BOG.</p>
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153rd Meeting of Senate of the Institute

Item 1.	Confirmation of the Minutes of the 152 nd Meeting of the Senate held on 3 rd February, 2021	R.153/1/2021: The Senate RESOLVED that the Minutes of the 152 nd Meeting of the Senate held on 3 rd February, 2021 be APPROVED .
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<u>Item 2:</u>	Action Taken Report on the decisions of the 152nd Meeting of the Senate held on 3rd February, 2021.	<u>R.153/2/2021:</u> The Senate RESOLVED that the Action Taken Report on the decisions of the 152 nd Meeting of the Senate held on 3 rd February, 2021 be APPROVED .
<u>Item 3:</u>	Resumption of offline classes/examinations	<p><u>R.153/3/2021:</u> The Senate RESOLVED that the following for resumption of offline class/examination be APPROVED:</p> <ul style="list-style-type: none"> i. The course instructors may propose voluntarily to conduct offline classes and assessment for those students who returned to the campus. However, they will have to continue ONLINE teaching and assessment for those students who have chosen not to come to the campus. ii. For those students who are on the campus, the course instructors may consider conducting laboratory classes, and assessment for all courses offline. iii. The Academic Section will receive the proposals of offline classes/assessments, review the proposals and permit them by providing appropriate facilities. The Academic Section will also issue guidelines which include COVID protocols for conducting offline classes/assessments. iv. The departments shall constitute a taskforce to ensure the strict adherence of guidelines for conducting offline classes/assessments. <p>Students' Affairs section shall maintain a webpage containing the names along with roll numbers of all students who arrived on campus for information to all faculty members.</p>
<u>Item 4:</u>	To consider the progress of the committee studying the TCSiON and IIT Guwahati Joint Proposal for Online B.Sc Degee Programme in Data Science	<u>R.153/4/2021:</u> The Senate RESOLVED that the progress of the committee studying the TCSiON and IIT Guwahati Joint Proposal for Online B.Sc Degee Programme in Data Science be APPROVED . The Senate further RESOLVED that there BE no upper age limit

		for admission and foreign citizens BE allowed to apply.
<u>Item 5:</u>	To consider the Course Structure for B.Tech Programme in Data Science and Artificial Intelligence (DS & AI).	<u>R.153/5/2021:</u> The Senate RESOLVED that the course structure for B.Tech Programme in Data Science and Artificial Intelligence (DS & AI) be APPROVED .
<u>Item 6:</u>	To consider the results of B.Tech/ B.Des First semester.	<u>R.153/6/2021:</u> The Senate RESOLVED that the results of B. Tech/ B.Des First semester be APPROVED .
<u>Item 7:</u>	To consider the interim Report of the committee for preparing guidelines for selection of PG/Ph.D students.	<u>R.153/7/2021:</u> The Senate RESOLVED that the committee's proposal of allowing departments/centres with multiple streams to prepare stream wise merit list and allot the seats based on the order preferences of the candidates be APPROVED for implementation of the same from July 2021 admissions.
<u>Item 8:</u>	To consider the Seat Matrix of the Postgraduate programmes.	<u>R.153/8/2021:</u> The Senate RESOLVED that the Seat Matrix of the Postgraduate programmes for July 2021 Session Admission be APPROVED .
<u>Item 9:</u>	To consider the proposal for modifications in the eligibility criteria for Ph.D admissions in Design from July 2022 onwards.	<u>R.153/9/2021:</u> The Senate RESOLVED that the proposal for making CEED essential in the eligibility criteria for Ph.D admission in Design be DEFERRED but including Master's Degree in Visual Arts as one of the alternatives in the eligibility for PhD admission in Design from July 2021 onwards be APPROVED .
<u>Item 10:</u>	To consider proposal for change in eligibility criteria for admission into M.Tech in BSBE; MS (R) and Ph.D	<u>R.153/10/2021:</u> The Senate RESOLVED that proposal for change in eligibility criteria for admission into M.Tech in BSBE; M.Tech in CE; and Ph.D in CSE be APPROVED and NOT

	in Energy; M.Tech in CE; and Ph.D in CSE.	APPROVED the change in eligibility criteria for MS (R) and Ph.D in the Centre for Energy.
<u>Item 11:</u>	To consider the proposal for M.S (R) programme in Disaster Management and Risk Reduction of the Centre for Disaster Management and Research.	<u>R.153/11/2021:</u> The Senate RESOLVED that the course structure and curriculum for M.S (R) programme in Disaster Management and Risk Reduction in the Centre for Disaster Management and Research be APPROVED .
<u>Item 12:</u>	To consider the proposal for M.Tech programme in Robotics and Artificial Intelligence in the Centre for Intelligent Cyber-Physical Systems.	<u>R.153/12/2021:</u> The Senate RESOLVED that the course structure and curriculum for M.Tech programme in Robotics and Artificial Intelligence in the Centre for Intelligent Cyber-Physical Systems be APPROVED .
<u>Reporting Items</u>		
Item 13	13 (a) Change of Supervisor:	<u>R.153/13(a)/2021:</u> The Senate RESOLVED that change of Supervisors of two (02) Ph.D Students be NOTED .
	13 (b) Addition of Supervisor:	<u>R.153/13(b)/2021:</u> The Senate RESOLVED that addition of Supervisors of three (03) Ph.D Students be NOTED .
	13 (c) Semester extension in favour of Ph.D students (Form- Ph.D-29)	<u>R.153/13(c)/2021:</u> The Senate RESOLVED that the report about granting of semester extension in favour of Ph.D students for completing Ph.D thesis be NOTED .
	<u>Item 13 (d):</u> To report about granting permission for Academic Leave for longer duration	<u>R.153/13(d)/2021:</u> The Senate RESOLVED that granting permission for longer duration to 2(two) students be NOTED .

	<u>Item 13 (e):</u> To report about granting permission for Semester leave / drop or Non-Academic Leave	<u>R.153/13(e)/2021:</u> The Senate RESOLVED that granting permission for Semester leave/drop or Non-Academic Leave for 1(one) student be NOTED .
	<u>Item 13 (f):</u> Reporting items from 116th IUPC meeting.	<u>R.153/13(f)/2021:</u> The Senate RESOLVED that the reporting items from 116th IUPC meeting be NOTED .
	<u>Item 13(g):</u> Reporting items from 110th IPPC meeting	<u>R.153/13(g)/2021:</u> The Senate RESOLVED that the reporting items from 110th IPPC meeting be NOTED .
	<u>Item 13 (h):</u> To report about reinstatement appeal of Ms. Mridusmita Debnath (Roll 146104018).	<u>R.153/13(h)/2021:</u> The Senate RESOLVED that the approval for reinstatement appeal of Ms. Mridusmita Debnath (Roll 146104018), Ph.D, CE be NOTED .
	<u>Item 13 (i):</u> To report about the request of Mr. Abdalganiy Kebede Wakjira (Roll No. 156101023, Department of CSE) to continue Ph.D. program online from home.	<u>R.153/13(i)/2021:</u> The Senate RESOLVED that the approval to continue Ph.D. program for the current ongoing winter semester through online mode from home by Mr. Abdalganiy Kebede Wakjira (Roll No. 156101023, Department of CSE) be NOTED .
	<u>Item 13 (j):</u> Completion of Ph.D by Research Scholars	<u>R.153/13(j)/2021:</u> The Senate RESOLVED that the report about completion of Ph.D by Research Scholars be NOTED .
<u>Item 14:</u>	Reporting of SDC matter related to Mr. Vikrant Singh (Roll No. 166102108), Ph.D student of Dept. of EEE.	<u>R.153/14/2021:</u> The Senate RESOLVED that, as per recommendations of SDC, the Chairman, Senate approval for expulsion of Mr. Vikrant Singh (Roll No. 166102108), Ph.D student of Dept. of EEE, from the Institute w.e.f. 10.03.2021 to 27.07.2021, be NOTED .

<u>Item 15:</u>	Reporting of the matter related to Mr. Himanchal Singh (Roll No. 176102109), Ph.D student of Dept. of EEE.	<u>R.153/15/2021:</u> The Senate RESOLVED that the rejection of the request of Mr. Himanchal Singh (Roll No. 176102109), Ph.D student of Dept. of EEE for accommodating him in the hostel before submission of an undertaking issued to him, be NOTED .
<u>Item 16:</u> Any other item with permission of the Chair	16(a) Considering the candidates without GATE for admission into PhD programme.	<u>R.153/16(a)/2021:</u> The Senate RESOLVED that the matter of considering the candidates without GATE for admission into PhD programme be included in the ToR of the committee for preparing guidelines for selection of PG/Ph.D students be APPROVED .
	16(b) Awarding Master's degree to the students admitted into PhD programme with undergraduate degree.	<u>R.153/16(b)/2021:</u> The Senate RESOLVED that authorizing the Chairman, Senate to constitute a committee for giving recommendations on awarding Master's degree along with PhD degree to the students admitted into PhD programme with undergraduate degree be APPROVED .
	16(c) The matters brought to the notice of the Senate by the Chairman Senate.	<u>R.153/16(c)/2021:</u> The Senate RESOLVED that the above-mentioned items, as apprised by the Chairman Senate, be NOTED .

154th Meeting of Senate of the Institute		
Item No.	Item	Resolution
1	<u>Item 1</u> Confirmation of the Minutes of the 153rd Meeting of the Senate held on 12th March, 2021.	<u>R.154/1/2021:</u> The Senate RESOLVED that the Minutes of the 153 rd Meeting of the Senate held on 12 th March, 2021 be APPROVED .
2	<u>Item 2:</u> Action Taken Report on the decisions of the 153rd Meeting of the Senate held on 12th March, 2021.	<u>R.154/2/2021:</u> The Senate RESOLVED that the Action Taken Report on the decisions of the 153 rd Meeting of the Senate held on 12 th March, 2021, be APPROVED .

3	<u>Item 3:</u> To consider the Academic Calendar for Monsoon Semester, 2021.	<u>R.154/3/2021:</u> The Senate RESOLVED that the Academic Calendar for Monsoon Semester, 2021, be APPROVED
4	<u>Item 4:</u> To consider naming the School of Data Science and Artificial Intelligence at IIT Guwahati after the Mehta Family Foundation.	<u>R.154/4/2021:</u> The Senate RESOLVED that naming the School of Data Science and Artificial Intelligence at IIT Guwahati after the Mehta Family Foundation as “Mehta Family School of Data Science and Artificial Intelligence” be APPROVED
5	<u>Item 5:</u> To consider the proposal for conversion of the Centre for Energy to School of Sustainable Energy Studies and renaming of the degrees offered by the Centre.	<u>R.154/5/2021:</u> The Senate RESOLVED that the proposal for conversion of the Centre for Energy to School of Energy Science and Engineering and renaming of the MS(R) degree as MS(R) in Energy Science and Engineering from the AY 2022- 23 be APPROVED.
6	<u>Item 6:</u> To consider the proposal for conversion the Centre for Rural Technology to School of Agro and Rural Technology.	<u>R.154/6/2021:</u> The Senate RESOLVED that the proposal for conversion of the Centre for Rural Technology to School of Agro and Rural Technology be APPROVED.
7	<u>Item 7:</u> To consider the proposal for setting up a School of Health Sciences and Technology (SHST) at IIT Guwahati.	<u>R.154/7/2021:</u> The Senate RESOLVED that the proposal for setting up a School of Health Sciences and Technology (SHST) at IIT Guwahati be APPROVED.
8	<u>Item 8:</u> To consider the IIT Guwahati -TCSiON Joint Proposal for Online B.Sc Degree programme in Data Science.	<u>R.154/8/2021:</u> The Senate RESOLVED that the IIT Guwahati-TCSiON joint proposal for Online B.Sc Degree be APPROVED.
9	<u>Item 9:</u> Student Incubation at IITG-Technology Incubation Centre (IITG -TIC)	<u>R.154/9/2021:</u> The Senate RESOLVED that the proposal regarding amendment in the eligibility criteria for students’ incubation at TIC by the Council of Management (CoM) of IITG-TIC be APPROVED.

10	Item 10: To consider Students' Disciplinary Committee (SDC) recommendation regarding Mr. Vikrant Singh, Research Scholar, Department of EEE, IIT Guwahati.	R.154/10/2021: The Senate RESOLVED that the recommendations of the Students' Disciplinary Committee (SDC) of termination of studentship of Mr. Vikrant Singh, Roll No. 166102108, Research Scholar in the Dept. of EEE, from the Institute with immediate effect be APPROVED .
11	Item 11: To consider the final recommendation of the Special Senate Committee to investigate the disciplinary matters of Mr. Vikrant Singh, Roll No. 166102108, Research Scholar, Dept. of EEE and Mr. Himanchal Singh, Roll No. 176102109, Research Scholar, Dept. of EEE.	R.154/11/2021: The Senate RESOLVED that the termination of studentship of Mr. Vikrant Singh from the Institute with immediate effect BE APPROVED . The Senate further RESOLVED that the Special Senate Committee shall deliberate and make recommendations as stated in (2) above BE APPROVED .
12	Item 12: Request for special permission for the extension of M. Tech tenure of Mr. N. Muni Kumar from the Department of Mechanical Engineering.	R.154/12/2021: The Senate RESOLVED that the request for special permission for the extension of M.Tech tenure of Mr. N. Muni Kumar from the Department of Mechanical Engineering be NOT APPROVED .
13	Item 13: To consider the formats of certificates for the International Joint Degree Programmes (M.Tech and PhD) between IIT Guwahati and Gifu University.	R.154/13/2021: The Senate RESOLVED that the formats of Certificates for the International Joint Ph. D Degree and Master's Degree Programme with Gifu University, Japan be APPROVED .
14a	14(a): Addition/change of Supervisor:	R.154/14(a)/2021: The Senate RESOLVED that addition/change of Supervisors of three (03) Ph.D Students be NOTED .
14b	14(b): Semester extension in favour of PhD students (Form-PhD-29)	R.154/14(b)/2021: The Senate RESOLVED that the report about granting of semester extension in favour of Ph.D students for completing Ph.D thesis be NOTED

14c	<u>14 (c):</u> To report about granting permission for Academic Leave for longer duration	<u>R.154/14(c)/2021:</u> The Senate RESOLVED that granting permission for longer duration to 1 (one) student be NOTED.
14d	<u>14 (d):</u> To Report about the approval for three (03) Ph.D seats under interdisciplinary Mode.	<u>R.154/14(d)/2021:</u> The Senate RESOLVED that the approval for three (03) Ph.D seats under interdisciplinary Mode be NOTED.
14e	<u>14 (e):</u> To Report about the approval of two (02) seats for the Centre for Energy in project mode.	<u>R.154/14(e)/2021:</u> The Senate RESOLVED that the approval of two (02) seats for the Centre for Energy in project mode be NOTED.
15	<u>Item 15:</u> To report the sequence of events of the Disciplinary cases against Mr. Himanchal Singh, Research Scholar, Department of EEE and Mr. Vikrant Singh, Research Scholar, Department of EEE, IIT Guwahati.	<u>R.154/15/2021:</u> The Senate RESOLVED that the report the sequence of events of the Disciplinary cases against Mr. Himanchal Singh, Research Scholar, Department of EEE and Mr. Vikrant Singh, Research Scholar, Department of EEE, IIT Guwahati be NOTED.
16	<u>Item No. 16:</u> To report the status of Mr. Himanchal Singh, Roll No. 176102109, Research Scholar, Department of EEE, IIT Guwahati.	<u>R.154/16/2021:</u> The Senate RESOLVED that the report the status of Mr. Himanchal Singh, Roll No. 176102109, Research Scholar, Department of EEE, IIT Guwahati be NOTED.

Resolution No : **R_106BOG/23/2021**

RESOLVED that the Minutes of the One Hundred and Fifty-second (152nd) , One Hundred and Fifty-third (153rd) and One Hundred and Fifty-fourth (154th) meeting of the Senate of the Institute held on 03.02.2021 , 12.03.2021 and 20.04.2021 respectively through Video conferencing mode and placed before the Board in terms of Section 4(10) of the Statute be **NOTED**.

ANY OTHER MATTER WITH THE PERMISSION OF THE CHAIR

Item No. 24

Approval to the shortlisting criteria to be followed during Implementation of Reservation Policy for Faculty Recruitment in IIT Guwahati

It is already discussed in item no 3 of this BOG meeting on the proposal of implementation of reservation policy in IIT Guwahati as per Govt of India norms. Following the same, as this is the first time that any reservation policy is implemented in IIT Guwahati for faculty recruitment and as interview for various Deptt. for faculty recruitment is likely to be started from 24.04.2021 , so eligibility criteria for shortlisting of the candidate for the reserved posts as per Govt. of India norms need to be set on urgent basis.

The Board was apprised of the following shortlisting criteria, proposed as per Govt. of India norms for shortlisting of SC/ST/OBC/PwD/EWS candidates for the reserved posts in direct recruitment:

1. For SC/ST candidates, upper age limit be relaxable by five years.
2. For OBCs candidates (non-creamy layer), a relaxation of three years in the upper age limit.
3. For EWS applicants, norms to be followed as per latest govt of India norms.
4. The candidates belonging to the reserved category (SC/ST/OBC/PwD) are required to submit the Caste/Category Certificate in the prescribed format.
5. The candidates belonging to OBC, additionally have to submit non-creamy layer certificate in the prescribed format.
6. The candidates belonging to EWS, have to submit the Income and Asset certificate in the prescribed format.

It was mentioned that as per prevailing norms followed in IIT Guwahati, maximum age limit for direct recruitment entry level post (i.e. Assistant Professor) is preferably 35 years.

Further, it is proposed that for the time being the Director of the Institute may be authorized to select internal faculty members belonging to SC/ST/OBC/PwD/EWS categories to form the empaneled list of experts for selection of candidates in the reserved post (if, any) in the Direct Recruitment .

The Board was requested to consider and approve the proposed aforementioned criteria for shortlisting candidates for the reserved posts (if any) in direct recruitment

The Board was also requested to authorize the Director of the Institute to form the empaneled list from internal faculty members who belong to SC/ST/OBC/PWD/EWS categories in the selection committee for the selection process of faculty members in the reserved post (if, any) in the direct recruitment.

The Board discussed ,deliberated and resolved as below:

Resolution No : R_106BOG/24/2021

RESOLVED that the aforementioned criteria proposed for shortlisting reserved category candidates in the reserved posts (if any) in direct recruitment be **APPROVED**.

RESOLVED to **AUTHORIZE** the Director of the Institute to form the empaneled list from internal faculty members who belong to SC/ST/OBC/PWD/EWS categories in the selection committee for the selection process of faculty members in the reserved post (if, any) in the direct recruitment.

Item No 25

Approve the proposed modification under clause 3.6 of the “ Handbook on SPONSORED RESEARCH PROJECTS Of IIT Guwahati:

The Board was informed that, to be at par with the latest government rules and regulation in regards to contractual engagement in government organization it is proposed to modify the existing Hiring Norms under clause 3.6 of ‘**GENERAL INFORMATION ON SPONSORED RESEARCH PROJECTS**’ .

A Committee is constituted for the same & it proposed the following modifications under clause 3.6 of the ‘**GENERAL INFORMATION ON SPONSORED RESEARCH PROJECTS**’

:

3.6 Hiring Norms		
Clause	Existing	Proposed
i.	Open selection will be held for all project posts for a duration of more than one and a half (1.5) years. There will be an internal circular within the Institute. If suitable candidates are not available, then open selection will be made. In special situations, on the recommendation of the Principal Consultant / Investigator, short term job contracts for upto 6 months may be given with the approval of the DoRD.	<u>Sort term engagement of Project Staff (Ad hoc appointment):</u> On the recommendation of the Principal Investigator, short term job contracts for upto 89 days may be given with the approval of the Competent Authority. However, re-engagement for 89 days may be considered only under special circumstances. There will be an internal circular within the Institute for ad hoc recruitment.
iv.	The tenure of contractual appointment of a project staff will be for the duration of the project or there years whichever is less.	In case contractual engagement, the period of engagement shall be for 11 months with provision for re-engagement of another period of 11 months after a break of 3 working days, this may be subsequently repeated upto a maximum of 3 years. Re-engagement of project staff

		<p>after 11 months will be made as per the recommendation of the PI and to be approved by the Competent Authority.</p> <p>Beyond 3 years, fresh recruitment to be conducted via open advertisement against such post. However, project staff who have completed 3 years in any project are also eligible to apply.</p> <p>There will be an open advertisement through website/newspaper against such recruitment.</p>
v.	The total period of contractual engagement with the R&D office in two or more projects in no case shall exceed five years.	Now deleted
v.		All project positions in any project will co-terminus with the project.
vi.		The rules and regulation of funding agency shall be applicable for engagement of project staff.

The Board was requested to consider and approve the proposed modification under clause 3.6 of the. “ **Handbook on SPONSORED RESEARCH PROJECTS Of IIT Guwahati**”

The Board discussed ,deliberated and resolved as below:

Resolution No : R_106BOG/25/2021

RESOLVED that the modification proposed under clause 3.6 of the. “ **Handbook on SPONSORED RESEARCH PROJECTS** of IIT Guwahati”as given in aforementioned table be **APPROVED.**

Item No 26

Approval to the recommendations of the Forty Sixth (46th) Meeting of the Finance Committee to be held on 22.04.2021

The Forty Sixth (46th) Meeting of the Finance Committee of the Institute was held on 22.04.2021 at about 08.00 A.M. just preceding to this Board meeting. The copy of the agenda item for discussion in the said Finance Committee was placed before the Board for reference on the day of the meeting. In terms of the Section 5 (7) of the Statute, the recommendations of the Committee was conveyed during the meeting. The salient agenda items of the 46th meeting of Finance Committee are as below:

- 1. Confirmation of the Minutes of the 45th Meeting of the Finance Committee held on 30th November 2020.**
- 2. Action Taken Report on decision of 45th finance Committee Meeting held on 30.11.2020.**
- 3. To review the expenditure under Capital and Revenue Head for the Financial year 2020-21 (upto 31.03.2021)**
- 4. To Accord Financial Sanction for the works recommended by Building and Works Committee of the following :**

Sl. No.	Name of the Works	Executing Agency	Budget Head	Amount (Rs in lakh)
1	Approval of Estimate for the work "Construction of approach road to Research Park building at IITG Campus".	IITG	Capital	64.48
2	Approval of the estimate for the work "Renovation work at Transit accommodation 3 to accommodate project staff and student at IITG campus	IITG	Capital	27.67

- 5. To report on Project Implementation Progress Report (PIPR) under HEFA.**
- 6. To consider and Recommend for Approval to release of Incentive for acquiring Fresh Higher Qualification to Employees'.**
- 7. To report about Sanction of New Loan from HEFA for an amount of Rs. 99.51 Crore**
- 8. To report about Implementation of Treasury Single account (TSA) system w.e.f 01.05.2021 in the Institute.**

The Board was requested to consider the recommendations of the Finance Committee and approve.

The Board deliberated and resolved as below:

Resolution No : R_106BOG/26/2021

RESOLVED that the recommendation of the 46th meeting of the Finance Committee held on 22.04.2021 preceding the Board meeting be **APPROVED**.

Item No 27

Approval to the nomination of the two external member of Building & Works Committee (B &WC) of the Institute

The Board was informed that as per the Clause 6 Section 1 of the Statutes of the Institute the Building and Works Committee may be appointed by the Board and the Committee shall also be an authority within the meaning of Section 10 of the Act.

The Board was also informed that the term of the present Building and Works Committee expired w.e.f 01.08.2020. The Chairman and all the members of the Building and Works Committee are ex-officio except two external members namely, Prof. D. N .Buragohain, Professor Emeritus, Department of Civil Engineering, IIT Guwahati and Mr. Mrinal R Das, Retd. Secretary, PWD, Govt of Assam. So it is proposed to nominate two external members in place of Prof. Buragohain and Mr Das.

Following are recommended by the Director of the Institute for B&WC members:

1. Mr. Ajoy Chandra Bordoloi, Retired Commissioner and Secretary P.W.D, Govt of Assam
2. Mr. Kamal Bhuyan, Retired Chief General Manager, Power Grid Corporation of India

The Board was requested to approve recommendation of the Director on nomination of the two external member of Building & Works Committee (B &WC) of the Institute as given above at SI 1 &2.

The Board discussed and resolved as below:

Resolution No : R_106BOG/27/2021

RESOLVED that the recommendation of the Director of the Institute nominating the following two members as external member of the Building & Works committee be **APPROVED** with immediate effect.

1. Mr. Ajoy Chandra Bordoloi, Retired Commissioner and Secretary P.W.D, Govt of Assam
2. Mr. Kamal Bhuyan, Retired Chief General Manager, Power Grid Corporation of India

Item No 28

Decision regarding Initiation of Disciplinary Proceedings against the delinquent employee post retirement

In the light of the provisions of the Disciplinary Procedure of the Institute for fixing the responsibilities on the officials, pursuant to the Ministry letter vide ref.: F.No.6-18/2015-TS-

1 dated 02.02.2018 on the matter of hostel 8 a three member committee is re- constituted and notified vide notification AD/LM/OMC/460/18/20 dated 16.03.2021.

In the 1st meeting of the Committee was held on 07.04.2021 the committee requested the Disciplinary Authority to provide/ decide the following

1. List of the witness and documents on which charges are sought to be sustained.
2. To pass appropriate order in respect of the plea raised by Shri Prabhat Ch. Baishya, one of the delinquent employees, about the non-permissibility to hold inquiry against him, he having retired long back i.e. on 31.01.2014.

For point no.1 above, the Institute will furnish the list of the witnesses and documents to the Inquiry Committee as per the available records.

The Board was also apprised that another delinquent employee viz. Dr. B.N. Raychoudhury, former Registrar, who also had retired prior to initiation of DP, approached the Hon'ble Gauhati High Court by filing a Writ Petition being WP(C) No 3073 of 2019, in which a stay order is operating in favour of him. Dr. B. N. Raychoudhury retired from the Institute on 31.11.2014.

The Board, being the Disciplinary Authority was requested to deliberate and decide on the plea of Mr. Prabhat Ch. Baishya not to hold inquiry against him

Further considering the present scenario of pandemic it was also proposed that a minimum time of 6 (six) month may be given to the aforementioned newly constituted Inquiry committee w.e.f from its date of notification i.e 16.03.2021 to initiate disciplinary proceeding as per the Ministry's letter Ref No F No 6-18/2015-TS-I dated 02.02.2018.

The Board discussed ,deliberated and **RESOLVED** as below:

Resolution No : R_106BOG/28/2021

RESOLVED to **PROCEED** with the Disciplinary Proceedings in respect of Mr. Prabhat Baishya , former Executive Engineer Civil, IIT Guwahati.

Further, the Board **RESOLVED** to **CONSIDER** and **APPROVE** the extension of minimum time limit to six months to the aforementioned newly constituted Inquiry committee w.e.f from its date of notification i.e 16.03.2021 to initiate disciplinary proceeding as per the Ministry's letter Ref No F No 6-18/2015-TS-I dated 02.02.2018.

Item No .29

Status of Recent Incident occurred dated 28.03.2021

The Board was intimated about the incident related to the girl student of the Institute that occurred on the night of 28th March 2021 in IITG.

In the Institute level a fact finding committee was constituted on 29th March 2021 and as per the report of the committee a FIR was filed by IITG on 2nd April 2021. Presently four committees are looking into the matter

1. Anti-Ragging Committee
2. Internal Complaints Committee(ICC)
3. Students' Disciplinary Committee (SDC)
4. Substance Abuse Prevention Committee

Based on the FIR, a statement of the female student was taken on 2nd April 2021 at 11 pm by the police and 6 students were taken by the police. On evening of 3rd April 2021, 5 students were sent back to IITG with an undertaking that they will be made available if needed, while the main accused was sent to judicial custody.

The proceedings of the aforementioned committees are under process.

The matter was placed before the Board for information.

The Board resolved as below:

Resolution No : R_106BOG/29/2021

RESOLVED to **NOTE** the aforementioned information as reported.

Item No .30

Approval to the proposal for conversion of the Centre for Energy to School of Sustainable Energy Studies and renaming of the degrees offered by the Centre.

The Centre of Energy submitted two proposals to the Senate of the Institute in its 154th meeting held on 20.04.2020 as below

1. **Proposal for Conversion of the Centre for Energy as a School of Sustainable Energy Studies:** Looking into the broad spectrum of energy science, technology and management, the Centre for Energy is proposing conversion of the centre to a school.
2. **Proposal for renaming of the degrees offered by the Centre for Energy, IIT Guwahati:** The following changes are proposed in regard to the degrees offered by the Centre for Energy.
 - A. PhD in Energy to ***PhD in Energy Science and Engineering***
 - B. MS (R) in Energy to ***MS(R) in Energy Science and Engineering***

The Senate vide resolution no R.154/5/2021 approved the proposal for conversion of the Centre for Energy to School of Energy Science and Engineering and renaming of the MS(R) degree in Energy as MS(R) in Energy Science and Engineering from the AY 2022-23.

The Board was requested to approve the aforementioned recommendation of the Senate.

The Board resolved as below:

Resolution No : R_106BOG/30/2021

RESOLVED that the proposal for conversion of the Centre for Energy to School of Energy Science and Engineering and renaming of the MS(R) degree in Energy as MS(R) in Energy Science and Engineering from the AY 2022- 23 be **APPROVED** as per recommendation of the 154th Senate meeting held on 20.04.2021.

Item No 31

Approval to IIT Guwahati-TCSiON Proposal for Online B.Sc Degree Programme in

Data Science

The Senate in its 154th meeting held on 20.04.2021 approved the IIT Guwahati-TCSiON Proposal for Online 4 year B.Sc Degree based on the report of the Academic sub committee

The matter was placed before the Board to approve the recommendation of the Senate regarding online B Sc Degree programme in Data Science.

The Board deliberated on the matter and emphasised that the proposal may be **ACCEPTED** and **ADVISED** the Institute to give more importance towards generation of employment by the courses rather than revenue to the Institute.

The Board resolved as below:

Resolution No : R_106BOG/31/2021

RESOLVED that the IIT Guwahati-TCSiON Proposal for Online 4 year B.Sc Degree programme in Data Science be **APPROVED** as per recommendation of the 154th meeting of the Senate held on 20.04.2021.

Item No 32

Format of Certificate for Joint Ph. D Degree and Master's Degree Programme with GIFU, Japan.

The format of Certificate for Joint Ph. D Degree and Master's Degree Programme with GIFU, Japan, is placed before the 154th meeting of the Senate held on 20.04.2021. The Senate approved the format of certificate for Joint Ph. D Degree and Master's Degree Programme with GIFU, Japan.

The Board was requested to approve the recommendation of the Senate regarding approval of the Format of Certificate for Joint Ph. D Degree and Master's Degree Programme with GIFU, Japan.

The Board resolved as below:

Resolution No : R_106BOG/32/2021

RESOLVED that the format of Certificate for Joint Ph. D Degree and Master's Degree Programme with GIFU, Japan be **APPROVED** as per recommendation of the 154th meeting of the Senate.

Item No 33

Approval to the recommendation of the Students' Disciplinary Committee (SDC) regarding termination of Mr. Vikrant Singh, Research Scholar, Department of EEE, IIT Guwahati

The Board was apprised that the Students' Disciplinary Committee (SDC) in its meeting held on 12th April, 2021 discussed about the disciplinary case on defaming the Institute and Institute functionaries by Mr. Vikrant Singh, Roll No. 166102108, a Research Scholar

in the Dept. of EEE, and recommended termination of his studentship from the Institute. The recommendation of the Students' Disciplinary Committee and the supporting papers on the case is enclosed separately as **Annexure 10**(not enclosed).

The matter was also placed in the 154th Senate meeting held on 20.04.2021. The senate deliberated the matter at length and strongly opined that the behaviour of Mr. Vikrant Singh was highly condemnable. The Senate also took a note of the effort of respective disciplinary committees, for bringing Mr. Vikrant Singh into an amicable academic atmosphere of the Institute. However, even after various opportunities given to him, Mr. Vikrant Singh continued with his disruptive behaviour and damaged the academic atmosphere of the Institute. In the said 154th meeting of the Senate it was resolved to approve the recommendations of the Students' Disciplinary Committee (SDC) of termination of studentship of Mr. Vikrant Singh, Roll No. 166102108, Research Scholar in the Dept. of EEE, from the Institute with immediate effect . Dean, Student Affairs - Prof. V.V. Dasu made a detailed presentation to the Board and strongly recommended SDC recommendation regarding the termination of studentship of Mr. Vikrant Singh.

The Board was requested to Approve the recommendation of the 154th Meeting of Senate and SDC on termination of studentship of Mr. Vikrant Singh, Roll No. 166102108, Research Scholar in the Dept. of EEE, from the Institute with immediate effect.

The Board resolved as below:

Resolution No : R_106BOG/33/2021

RESOLVED to **ACCEPT** the recommendation of the Students' Disciplinary Committee (SDC) and the Senate regarding termination of Studentship of Mr. Vikrant Singh, Research Scholar, Department of EEE, IIT Guwahati from the Institute with immediate effect.

Item 34

Special reporting to the Board

- A. Grant of Samsung Fellowship to 40 final year students of B Tech/Dual Degree(UG/B Des @Rs 6000/-pm) and 10MS@/M Tech student (PG)/M Des (@Rs 25000/-pm):**

Samsung as a part of its Corporate Social Responsibility (CSR) programme has established a Samsung Innovation Campus (SIC) at IITG. It will grant Samsung Fellowship to 40 final year students of B Tech/Dual Degree(UG/B Des @Rs 6000/-pm) and 10MS@/ M Tech student (PG)/M Des (@Rs 25000/-pm) students. The candidates selected for receiving Samsung Fellowship will be termed as "Samsung IITG Fellow". A Criterion for selecting the students was prepared as per the MOU and this year the first batch of student will receive the fellowship for 3 months. From next year onwards fellowship will be given for one full year to the selected students. The total duration of the project is presently for three years.

The Board expresses heartfelt thanks to Samsung and advised the Institute to write a letter of appreciation to Samsung and thanked them profusely for such endeavour

Resolution No : R_106BOG/34/2021

RESOLVED as below:

1. **NOTED** as reported the Grant of Samsung Fellowship to 40 final year students of B Tech/Dual Degree(UG/B Des @Rs 6000/-pm) and 10MS (R)/M Tech student (PG)/M Des (@Rs 25000/-pm) by Samsung as a part of its Corporate Social Responsibility (CSR) programme
2. The Board expressed heartfelt thanks to Samsung and advised the Institute to write a letter of appreciation to Samsung and thanked them profusely for such endeavor

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

**Dr. Suresh S.M.
Registrar & Secretary,
Board of Governors,
IIT Guwahati**

Annexure-1

NOT ENCLOSED AS ALREADY UPLOADED

Annexure-2

Roster of Reservation with Reference to Posts for Direct Recruitment for the Faculty Positions

Sl. No. of Post	Share of entitlement				Category for which the posts earmarked
	SC @ 15 %	ST @ 7.5%	OBC @ 27%	EWS @10%	
1	0.15	0.075	0.27	0.10	UR
2	0.30	0.150	0.54	0.20	UR
3	0.45	0.225	0.81	0.30	UR
4	0.60	0.300	1.08	0.40	OBC - 1
5	0.75	0.375	1.35	0.50	UR
6	0.90	0.450	1.62	0.60	UR
7	1.05	0.525	1.89	0.70	SC - 1
8	1.20	0.600	2.16	0.80	OBC - 2
9	1.35	0.675	2.43	0.90	UR
10	1.50	0.750	2.70	1.00	EWS - 1
11	1.65	0.825	2.97	1.10	UR
12	1.80	0.900	3.24	1.20	OBC - 3
13	1.95	0.975	3.51	1.30	UR
14	2.10	1.050	3.78	1.40	ST - 1
15	2.25	1.125	4.05	1.50	SC - 2
16	2.40	1.200	4.32	1.60	OBC - 4
17	2.55	1.275	4.59	1.70	UR
18	2.70	1.350	4.86	1.80	UR
19	2.85	1.425	5.13	1.90	OBC - 5
20	3.00	1.500	5.40	2.00	SC - 3
21	3.15	1.575	5.67	2.10	EWS - 2
22	3.30	1.650	5.94	2.20	UR
23	3.45	1.725	6.21	2.30	OBC - 6
24	3.60	1.800	6.48	2.40	UR
25	3.75	1.875	6.75	2.50	UR
26	3.90	1.950	7.02	2.60	OBC - 7
27	4.05	2.025	7.29	2.70	SC - 4
28	4.20	2.100	7.56	2.80	ST - 2
29	4.35	2.175	7.83	2.90	UR
30	4.50	2.250	8.10	3.00	OBC - 8
31	4.65	2.325	8.37	3.10	EWS - 3
32	4.80	2.400	8.64	3.20	UR
33	4.95	2.475	8.91	3.30	UR
34	5.10	2.550	9.18	3.40	OBC - 9
35	5.25	2.625	9.45	3.50	SC - 5
36	5.40	2.700	9.72	3.60	UR
37	5.55	2.775	9.99	3.70	UR
38	5.70	2.850	10.26	3.80	OBC - 10
39	5.85	2.925	10.53	3.90	UR
40	6.00	3.000	10.80	4.00	ST - 3
41	6.15	3.075	11.07	4.10	SC - 6
42	6.30	3.150	11.34	4.20	OBC - 11
43	6.45	3.225	11.61	4.30	EWS - 4
44	6.60	3.300	11.88	4.40	UR
45	6.75	3.375	12.15	4.50	OBC - 12
46	6.90	3.450	12.42	4.60	UR
47	7.05	3.525	12.69	4.70	SC - 7
48	7.20	3.600	12.96	4.80	UR
49	7.35	3.675	13.23	4.90	OBC - 13

50	7.50	3.750	13.50	5.00	EWS - 5
51	7.65	3.825	13.77	5.10	UR
52	7.80	3.900	14.04	5.20	OBC - 14
53	7.95	3.975	14.31	5.30	UR
54	8.10	4.050	14.58	5.40	SC - 8
55	8.25	4.125	14.85	5.50	ST - 4
56	8.40	4.200	15.12	5.60	OBC - 15
57	8.55	4.275	15.39	5.70	UR
58	8.70	4.350	15.66	5.80	UR
59	8.85	4.425	15.93	5.90	UR
60	9.00	4.500	16.20	6.00	OBC - 16
61	9.15	4.575	16.47	6.10	SC - 9
62	9.30	4.650	16.74	6.20	EWS - 6
63	9.45	4.725	17.01	6.30	OBC - 17
64	9.60	4.800	17.28	6.40	UR
65	9.75	4.875	17.55	6.50	UR
66	9.90	4.950	17.82	6.60	UR
67	10.05	5.025	18.09	6.70	OBC - 18
68	10.20	5.100	18.36	6.80	SC - 10
69	10.35	5.175	18.63	6.90	ST - 5
70	10.50	5.250	18.90	7.00	EWS - 7
71	10.65	5.325	19.17	7.10	OBC - 19
72	10.80	5.400	19.44	7.20	UR
73	10.95	5.475	19.71	7.30	UR
74	11.10	5.550	19.98	7.40	SC - 11
75	11.25	5.625	20.25	7.50	OBC - 20
76	11.40	5.700	20.52	7.60	UR
77	11.55	5.775	20.79	7.70	UR
78	11.70	5.850	21.06	7.80	OBC - 21
79	11.85	5.925	21.33	7.90	UR
80	12.00	6.000	21.60	8.00	ST - 6
81	12.15	6.075	21.87	8.10	SC - 12
82	12.30	6.150	22.14	8.20	OBC - 22
83	12.45	6.225	22.41	8.30	EWS - 8
84	12.60	6.300	22.68	8.40	UR
85	12.75	6.375	22.95	8.50	UR
86	12.90	6.450	23.22	8.60	OBC - 23
87	13.05	6.525	23.49	8.70	SC - 13
88	13.20	6.600	23.76	8.80	UR
89	13.35	6.675	24.03	8.90	OBC - 24
90	13.50	6.750	24.30	9.00	EWS - 9
91	13.65	6.825	24.57	9.10	UR
92	13.80	6.900	24.84	9.20	UR
93	13.95	6.975	25.11	9.30	OBC - 25
94	14.10	7.050	25.38	9.40	SC - 14
95	14.25	7.125	25.65	9.50	ST - 7
96	14.40	7.200	25.92	9.60	UR
97	14.55	7.275	26.19	9.70	OBC - 26
98	14.70	7.350	26.46	9.80	EWS - 10*
99	14.85	7.425	26.73	9.90	SC - 15*
100	15.00	7.500	27.00	10.00	OBC - 27*

*Squeezing resorted with a view to maintain prescribed percentage of reservation

Annexure-3

Delegation of Power

I. Financial Matters

1. Sanctioning Powers Delegated to the Dean

- (i) Disbursement of Consultancy and Testing Fees, Overtime and Honorarium Payments
- (ii) Travel within India including special cases
- (iii) Issue of Statements of Accounts and utilization Certificates and Refund of unused funds to sponsoring agencies, Issue of all Invoice/Contingent Bill
- (iv) Permanent Imprest including recoupment and adjustment as per Institute rule
- (v) Advances up to Rs. 1,00,000/-
- (vi) Purchase Indents
 - (a) Expenditure Sanction of consumable and supplies up to Rs. 3,00,000/-
 - (b) Expenditure Sanction of non-consumable items up to Rs. 10,00,000/-
- (vii) All Purchase related activities
- (viii) Settlements of all advances and adjustments/reimbursements
- (ix) Release of Payment of the bills for the work approved by Dean (II&SI)/Director/IWC for the construction of Research Park and other projects registered in II&SI and carried out by Engineering section after approval of Dean(RGF)
- (x) Office equipment of II&SI: Dean, II&SI

2. Sanctioning Powers Delegated to the Associate Dean

- (i) TA/DA Settlement approval
- (ii) Advances up to Rs. 50,000/-

- (iii) Approval of Temporary Advance Settlement approved by the Associate Dean
- (iv) Settlements of all advances and adjustment/reimbursements up to the advance limit of associate Dean
- (v) Purchase indents of Consumables and non-consumables up to Rs. 1,00,000/-
- (vi) Approval for Guest House Indent and settlement of Guest House Bill
- (vii) Approval of advertisement in Newspaper and settlement of News Paper Bill
- (viii) Refund of Caution Money to project employees
- (ix) Custom Clearance - DHL, UPS, Others
- (x) Advance Wire Transfer/ STDR. Letter of Credit (LC) Payment
- (xi) Approval of 90% advance for the purchase approved by the Associate Dean

II. Administrative Powers

1. Delegated to the Dean, II&SI

- (i) Matters related to societies, companies, IPR and other committees of II&SI.
- (ii) Special Casual Leave of Faculty & Leave Sanction Order and Staff leaves
- (iii) Forwarding of applications as per rules and Project Completion Report
- (iv) Signing of MoU, MoA, NDA/CDA etc. related to Industrial Interactions and Special Initiatives and approval of patent
- (v) Recommending Technology License Transfer (TLT) to Director for approval and signing of TLT after approval of Director

2. Project Employees related matter

- (i) Appointment of Project Employees Approval: Director
- (ii) Ad-hoc appointment: Dean
- (iii) Selection committee, Issue of Appointment Letter, Contractual Agreement, Signing of Joining Report and Office order, Acceptance of Resignation letter: Dean
- (iv) Accommodation: Associate Dean

- (v) Issuing of I-Card: Associate Dean
- (vi) Salary payment: Associate Dean
- (vii) Issue of Notice to Project staff: Associate Dean
- (viii) No Objection Certificate: Associate Dean
- (ix) Experience Certificates: Associate Dean
- (x) Issue of No Dues: Associate Dean
- (xi) Extension of tenure: Associate Dean
- (xii) Issue of No Dues: Associate Dean
- (xiii) Leave for project staff
 - (a) Casual Leave: Project Coordinator/ Project Investigators/ Consultant
 - (b) All other Leave for consultancy projects: Associate Dean
 - (c) All other Leave for other projects staffs: Dean
- (xiv) Disciplinary actions leading to minor penalties: Dean

Dean can execute the powers delegated to Associate Dean. Dean can execute all financial and administrative matters related to II&SI that is not delegated to Associate Dean.

III. Matters Common to Dean and Associate Dean

Audit Reply, Annual Reports, RTI, Ranking related material, Other reports, Newsletter, Office automation, Website Maintenance.

The Head of Section of II&SI is authorized to issue purchase/work orders for all recurring and non-recurring items pertaining to funds administered by II&SI.

Payment of Bills: All bills will be recommended and passed for payment by the Head of the Section, II&SI and forward to the Registrar.

ART of an Institution

First Edition

Date Here

Recommendation of the Committee on Advancing International Standing



Indian Institute of Technology Guwahati
Guwahati – 781039; Assam
India

Here 'A' represents administration, 'R' represents research and 'T' represents teaching

ART of an Institution

Vision and Mission

The strategic commitment of IIT Guwahati provides the road map for the journey towards excellence. These strategies include the Vision, Mission, Goal and Values that would be instrumental in placing IIT Guwahati among the top academic institutions of the world. The strategies will create new opportunities for the faculty and the students for enhancement of knowledge, performing cutting edge research and development of professional skills. The ultimate aim is to provide the students with an educational training that emphasizes innovation, social awareness, professional ethics, and nurture leadership skills. A resourceful environment to promote creativity and entrepreneurship amongst researchers is also being developed while maintaining sustainable goals and upholding the values of highest professional ethics and enrich the lives of humanity.

Vision Statement

"To be recognized globally for excellence in education, research and innovation, and nurture future leaders, to serve the society at large"

Mission Statements

- Provide education, research and advancement of knowledge
- Prepare the students for successful professional careers, leadership roles and be globally competent
- Motivate graduates to play vital roles in achieving excellence in pursuit for developmental activities and serve the society
- Meet the technological needs of the region and the country
- Support innovation, entrepreneurship and be a catalyst of development inclusive of all stake holders
- Making a difference in the lives of every person we interact with, to inspire and create ethical value-based transformation

Here 'A' represents administration, 'R' represents research and 'T' represents teaching

ART of an Institution

Here 'A' represents administration, 'R' represents research and 'T' represents teaching

ART of an Institution



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

Ref : DIR/IITG/15/NOTICE/2020/ 3333
Date: 4/8/2020

NOTICE

A committee is formed to prepare a report on steps to be taken by IIT Guwahati for making a mark in the international standing. The Committee has been constituted with the following composition for **Advancing International Standing of the Institute**.

1. Prof. Arun Chattopadhyay, Chemistry	Chairman
2. Prof. Anupam Saikia, Mathematics	Member
3. Prof. K. Rakesh Singh, EEE	Member
4. Prof. R. Inkulu, CSE	Member
5. Prof. Prasenjit Khankiar, ME	Member
6. Prof. Bithiah Grace Jaganathan, BSBE	Member
7. Prof. Kiran Keshavamurthy, HSS	Member
8. Prof. Shareka Iqbal, Design	Member
9. Prof. P. K. Iyer, Dean – PRBR	Convenor
10. Ms. Manoshee Neog, PRBR	Secretary

(T. G. Sitharam)
Director

To:

1. Prof. Arun Chattopadhyay, Chemistry
2. Prof. Anupam Saikia, Mathematics
3. Prof. K. Rakesh Singh, EEE
4. Prof. R. Inkulu, CSE
5. Prof. Prasenjit Khankiar, ME
6. Prof. Bithiah Grace Jaganathan, BSBE
7. Prof. Kiran Keshavamurthy, HSS
8. Prof. Shareka Iqbal, Design
9. Prof. P. K. Iyer, Dean – PRBR
10. Ms. Manoshee Neog, PRBR

CC:

1. Deputy Director
2. Registrar

Here 'A' represents administration, 'R' represents research and 'T' represents teaching

ART of an Institution

Acknowledgement

We thank Prof. T. G. Sitharam, Director, IIT Guwahati for his guidance in preparing this document.

Here 'A' represents administration, 'R' represents research and 'T' represents teaching

ART of an Institution

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1.0 Prologue

An academic institution is an essential representative of the soul of a society. The institution also represents the modernity of thought and action of the society with a universal appeal. Thus, the status of an institution is a direct reflection of openness to the assimilation of novel ideas from afar and creation of vitalities of all kinds and of the ability to see and work for the future in consonance with others. A harmonious and progressive relationship between the society at large and the academic institution brings prosperity for all.

An academic institution also acts as a constant source of inspiration for the humanity. The maturity of a civilization is reflected in the freedom and support the academic institution enjoys in carrying forward the advancement of civilization. The high nature of personalities and dispensation of the organization provides hope for a prosperous world. The timeless tradition of pursuit of excellence holds the key to the strength and longevity of an institution.

Beyond the scope of the physical infrastructure, an academic institution is represented by people of high ambitions, abilities, and diverse views. An academic institution is always a collaboration in progress. A collaboration between administration, researchers, and teachers with students being the best beneficiaries of excellence. Thus, the advancement of an institution is a reflection of the advancement on all fronts. Dedication at every level, with a sense of service towards others and keeping the high moral ground on decisions, holds the key to prosperity. The best of efforts in every aspect of activities can only keep excellence in perpetuation.

It is with high hope we present the document, entitled, "ART of an Institution", for the future of IIT Guwahati. Here "A" is for administration, "R" is for research, and "T" is for teaching. We are of the firm opinion that a fine collaboration between the three and an environment conducive to the growth of individual and collective talents have the potential to take IIT Guwahati forward at the highest level of international achievements. The recommendations embodied in this document may provide sufficient strength to all for working in close collaborations and take the institution forward in serving the interest of society. The future of IIT Guwahati can only be bright if all of us make our best of efforts in fulfilling the ambitions of an academic institution of higher learning. The aim is to continue to do well and do well with vigour and rigour and in natural combination with high morality and conscience.

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2.2.11 In addition to the current system, international travel support and monetary benefits may be considered for presenting research outcomes in international conferences and organizing international conferences in the institute.

2.2.12 For promotions and hiring, the impact of the research outcome should be given higher importance than the mere number of publications.

2.2.13 A robust faculty hiring process that involves selecting candidates who have the best talent and training in the latest and emerging field should be implemented. The recruitment needs to be highly competitive. A search committee can be formed for recruitment of faculty at various levels.

2.2.14 Faculty recruitment process can employ multiple ranking criteria to holistically analyze the candidates and select based on their high ranking in multiple criteria. This could be subject specific. However, in general, academic achievements at various levels as per international standard may be considered as of great importance.

2.2.15 Full institutional support ought to be provided in order for the faculty members to become members and fellows of acclaimed international societies.

2.2.16 A viable, thriving environment and support system should be created to nurture and retain high quality faculty members in the institution. All attempts may be made to achieve the full potential of faculty members as researchers and teachers as should be evident in the evaluation in their respective fields.

2.2.17 Benchmarking with top universities of the world in terms of teaching methods/outcome and research rigor should pursued in order to ensure the quality of the outputs.

2.2.18 A clean, green and attractive campus conducive to intellectual growth with the most modern of facilities needs to be developed in order to foster all round growth of the institution.

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3.0 Research

3.1 Philosophy

Academic research can be considered as the primary driver for the sustenance and prosperity of an institution. Of all the parameters, the reputation and international visibility of an institution are defined majorly by the type of research that is being pursued. Thus, the institution needs to help in developing a culture of original research. The contributions can be at the level of fundamental or applied research. The institution ought to put emphasis on both types of research and support them with equal vigour. The research output of the institution can be considered as a reflection of the culture of nurturing originality.

3.2 Implementation

3.2.1 All faculty may be encouraged to pursue research and publish throughout their career and publish at least one article in an appropriate forum- as deemed ideal - per year. However, the criterion can be subject specific.

3.2.2 Faculty members need to be encouraged to obtain funding for research through sponsored projects. All help must be provided for the implementation of the project.

3.2.3 A mantra such as 'Solve an original problem' and then 'Solve many an original problem' needs to be inculcated. Regular discourses and dissemination of knowledge on solving original problems by individuals and groups may help bring a great culture of research.

3.2.4 In case of hiring for any post (including higher positions popularly known as promotions), emphasis must be put on the originality of the research and impact of the outcome. This may be considered as the best key to individual and collective prosperity.

3.2.5 Faculty should be encouraged and, if necessary, assistance in terms of publication charges (in exceptional cases) should be provided to publish research outcomes in top-tiered journals to register the identity of IITG among the top research institutions.

3.2.6 Professors and researchers from internationally acclaimed universities may be invited by offering visiting professorship for spending time at IITG to conduct research and teaching. Collaborative research publications may be encouraged in order to increase the quality of the output.

3.2.7 Infrastructure, human resources, and fieldwork opportunities available at IITG can be highlighted by each department/Centre for attracting the association of international faculty of high standing. These associations should be meticulously planned and executed for achieving long-term collaborations. State-of-the-art laboratories need to be set-up in areas of great significance. Faculty expertise in significant numbers ought to be developed in areas of current and emerging importance.

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3.2.8 To improve cooperation, innovation, and international visibility, support can be provided to establish joint research labs headed by faculty members from international universities in association with IITG. This could be considered as a high priority area of the institution and for immediate implementation.

3.2.9 To improve research output and productivity, research scholars and post-graduate students may be encouraged to publish original works in international forums (journals and conferences).

3.2.10 The research activity of the faculty and students can be highlighted using various platforms. Virtual demonstration of methods, products and processes developed by the faculty members of the institute can be conducted for international audiences for greater visibility.

3.2.11 Efforts should be made to publish the conference proceedings of international seminars and conferences conducted by IITG in reputed international journals.

3.2.12 Research excellence is achieved by maintaining the highest degree of research conduct in terms of scientific integrity in data collection and publications. The research community can be sensitized to avoid publishing and citing research outputs in predatory/fake journals.

3.2.13 Honesty and integrity in the pursuit of research may be considered as a fundamental policy of the institute. The participants at all levels need to be sensitized about this.

3.2.14 In addition to publications and patenting, all efforts must be made to encourage growth of industry start-ups involving researchers at all levels. This needs special care, investment and planning. Appropriate attention may be put in this regard.

3.2.15 Department and Centres need to make yearly plan on resources needed for research (such as funding and human resources) and implement research agenda of international standard. This needs to be highlighted as an activity of the department/centre.

3.2.16 On the website of the Department/Centre articles originating from the research pursued by the department at the individual and collective levels may be prominently displayed. This should also include highlights of exceptional achievements. The site may be updated regularly. Annual special publication (web-based) on research achievements may be considered.

3.2.17 Each Department/Centre may consider holding regular conference (biannual) of its own. The idea is to get experts from across the world and deliberate (and collaborate) on the latest topics. Some of the participants may be collaborators of the department/centre.

3.2.18 The Department/Centre may also consider recognizing special achievements of faculty/research-staff/student considering contributions, particularly in advancing research and publicize it.

3.2.19 The Department/Centre may initiate dialogues with industries so that appropriate collaboration could be established.

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3.2.20 A patent support cell that actively engages the community in the process, starting from invention to completion of the patent process may be established as an independent unit. The same cell can help in collaboration with office of the Dean, Industrial Interaction and Special Initiatives in commercialization.

3.2.21 Overall, an environment conducive for academic growth and performance leading to the creation of human resources, knowledge and incubation of industry start-ups through participation of all are needed for prosperity.

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4.0 Teaching

4.1 Philosophy

Teaching is essential for the vitality of an academic institution. Students are the future and strength of the institution. The duty and dedication of a teacher define the culture of the institution. The eminence of the institution comes from the constant evolution and the newness of teaching represents the originality and position of the institute at the global level. A culture of communication between teachers and students and continuous innovation in teaching/learning environment contributes towards its robustness and longevity. This is where an institution such as IITG can make a significant difference. All efforts must be made in order to bring originality in teaching.

4.2 Implementation

4.2.1 Constantly evolving and updated curricula may be maintained at every level of teaching.

4.2.2 Experimentation with new ideas in courses and curricula may be encouraged and appreciated.

4.2.3 Extraordinary models in teaching and new subjects need to be created continuously.

4.2.4 Teachers need to feel and share the greatness of teaching at various levels.

4.2.5 Students need to feel the joy of learning and all students need to feel as part of the learning process.

4.2.6 Research scholars, senior post-graduate and undergraduate students need to be integrated into teaching. This may be considered as a part of training for future teachers.

4.2.7 Effective modules for classroom and outside classroom learning may be developed.

4.2.8 To attract international students and improve academic reputation, joint degree (M. Tech, MS, PhD) programmes may be pursued in collaboration with internationally reputed universities. Also, the programs may be developed in such a way that the students can complete part of their curriculum in both the institutes.

4.2.9 International joint degree programmes may be developed in specific areas of importance to the institute.

4.2.10 Course structures may also be fashioned in line with current and future needs of the industry. Faculty with background in technology relevant to industry (or from industry) may be employed even temporarily for teaching such courses.

4.2.11 In order to improve student placements, business management courses may be offered and students need to be encouraged to register for such courses.

4.2.12 Academicians of great repute from across the top-most international universities in diverse fields may be invited to offer online classroom-based courses. These courses can be offered to students residing beyond the campus of IITG. Also, international students

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(exchange-programme based students) may be allowed to take online courses offered jointly by IITG and international faculty members. This needs special considerations from across the departments and centres.

4.2.13 Well organized and publicized webinars, lectures, and seminar series involving internationally renowned scientists should be conducted regularly to improve the perception of the institute.

4.2.14 The Department/Centre may initiate efforts to integrate students at various levels on research. A particular emphasis could be given for involving students in international collaborations.

4.2.15 Special emphasis may be given to integrate undergraduate students in research as a part of the curriculum.

4.2.16 The Department/Centre may recognize students at various levels for their contributions to teaching and research.

4.2.17 The Department/Centre may initiate activities for supporting start-ups by students as extra-curricular activities. Providing additional credits to students for the initiation of start-up/industrial /research activity may be considered.

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5.0 Epilogue

An institution of higher learning needs planning and implementation at levels that is internationally competitive. Resource generation and utilization are the first two steps in this direction. An academic institution needs to inculcate a culture that can see the future coming and help incubate the future in its population. This is a continuously active endeavour and the institution needs to prepare itself to maintain the lead in all spheres of learning and dissemination of knowledge. Only time-bound plans, implementation and tireless efforts by all participants - as in an orchestra - can bring great prosperity so dear to all of those longing for higher standing.

The aim of high academic standing at the international level can be achieved if all participants in an institution pursue the goal with a sense of dedication and urgency. The administration needs to be sensitive to the need of the population at large; the faculty needs to be sensitive to the creativity and its dissemination and the students need to adopt the best means to bring in youthful vigour for the learning environment and for bringing prosperity to the institution.

It is thus recommended that the present document may be considered as a starting point for future review and adoption of best means for academic excellence. This could form the basis for regular review of performance and evaluation for change needed to be adopted for future improvement. The implementation of the best means of academic advancement, some of which are recommended in this document, could see a sea change in the prosperity of the institution and global perception of IITG that is so dear for evaluation.

The best means would come through collective reflections and adopting measures that are acceptable and for bringing advancement to the academic performance of the institution. It is recommended that the strategies proposed here are reviewed and refreshed on a regular basis to align with the future change and requirements.

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6.0 Annexures

Annexure 1

Administration

- A1.1 The overall campus may be made clean and green and be maintained that way.
- A1.2 All places of common institutional use may be kept very organized and clean at all times. Careful planning and implementation may be followed.
- A1.3 The campus may be made green with a plan that has themes based on locations. Thus, tree plantation and replacement may be made according to the plan, when implemented would make the campus well organized and attractive. Seasonal flower blooming may bring an extraordinary view to the campus.
- A1.4 The quality of water supplied to campus must be of high international standard. The pipe water needs to be of drinking quality as such.
- A1.5 The whole of campus may be made fully WiFi enabled with high speed internet.
- A1.6 The road conditions may be maintained at the high levels of international standard.
- A1.7 The maintenance of all the buildings may be made in such a way that they appear clean and represent good living conditions and create a welcoming atmosphere.
- A1.8 All buildings may have appropriate labels and directions for ease of access.
- A1.9 All roads need to have names and labels.
- A 1.10 The campus facilities may have good maintenance and order.
- A 1.11 Power outages and fluctuations should be avoided to prevent damage to high-end equipments and long-running important experiments.
- A 1.12 Efforts should be made to follow sustainability protocols and buildings made as such can be labelled.
- A 1.13 All administrative processes as deemed fit may be made online.
- A 1.14 Administrative decisions at all levels must be made as fast as possible and may be taken within days of the start of the process.
- A 1.15 All forms for administration purposes must be made in an easy format, keeping in view the dignity and respect for individuals.
- A 1.16 All decisions may be communicated electronically immediately to the recipient.
- A 1.17 The duties and responsibilities of each section of the administration across the institute should be well-defined and may be placed on the website.
- A 1.18 Newly recruited faculty members and visiting professors should be extended all help to quickly settle in the campus.
- A 1.19 Alternate form of energy usage in the campus may be planned and implemented at its best possible capacity.
- A 1.20 Campus waste management could be made a model system.

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A 1.21 Professor-for-Life. The institute may recruit eminent personalities as professors for life. This could be from a pool of exceptionally talented and internationally recognized individuals who would be of great importance to the institute. Their tenure can be renewed (after due review) every five years.

A 1.22 Provisions such as academic leave and financial support can be given to students and faculties for academic exchange visits and collaborative work.

A 1.23 Plan for 2030: A yearly plan for administration by each section/department/centre may be made for the next ten years. This could involve administrative process reforms, student intakes, infrastructure developments and maintenance, recruitments, meetings and calendar of events, annual festivals, inviting visitors and conferences. At the end of each year the planning versus implementation may be checked for improvements. A major review at the end of five years and final review at the end of ten years may be conducted.

A1.24 For all of the above, the information may be made available on the website of IITG as per Right to Information Act 2005.

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Annexure 2

Research

A 2.1 Faculties should be encouraged to publish at least one article per year (per member) in their research field. Although this can vary according to specialization and the number can change; however, discernible efforts need to be there.

A 2.2 PhD students and post-docs should be encouraged to publish at least 2 articles during their research work.

A 2.3 Incentives and highest academic grade (AS grade) might be given to those students whose project work resulted in publications.

A 2.4 Additional credits can be given to undergraduate students who have published articles during their study.

A 2.5 Institute staff can be involved in research work to generate high quality data from high end equipments and can be incentivized with publications, which can be a factor for their promotion.

A 2.6 Since open access articles tend to get the highest citations, support for publishing high impact articles in open access mode can be extended to faculty members and students.

A 2.7 To increase open access publishing, institute can avail memberships for the publishers where most articles are published from the institute (e.g. Springer nature, Elsevier, etc).

A 2.8 Faculty members need to stress on solving important problems and high impact works.

A 2.9 It must be the efforts of all faculty members to have a sponsored project at least one at a time (per member). Although this can vary according to specialization and the number can change; however, discernible efforts need to be there.

A 2.10 The institute may put the following targets to be fulfilled by the Departments/Centres. 5%, 10%, 20% and 30% of the faculty members may have collaborative projects (especially putting emphasis on collaboration with international scientists of high repute) in the next 2, 3, 4 and 5 years respectively. This should be especially applicable for Assistant and Associate Professors.

A 2.11 Institute may start with 5% (3 years) and then 10% (5 years) faculty positions for Research Professors (with posts such as Assistant Professors, Associate Professors and Professors as in other appointments). These should be young members who would be fully focused on individual and collaborative projects on topics of high significance. These should be special positions. The faculty members – once with demonstrated achievements – may be moved over to regular positions.

A 2.12 The Institute may start actively promoting collaborations with global researchers of prominence. For this, special fund needs to be created. This could be from HEFA or other Government fund or from R&D overhead. By 2021, the Institute can start with at least one such position. The faculty can spend one or a few weeks at a time and needs to collaborate

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with another faculty or more than one faculty on important problems. By the end of the collaboration, publication(s) in highly reputed journal, patent(s) and/or technology transfer may be considered as the outcome.

A 2.13 The Institute may send faculty members to special laboratories of the world (in eminent research laboratories) so that through collaborations great research outcomes may be achieved. By 2021 the number of such faculty members can be around 05.

A 2.14 The institute needs to build infrastructure on specific research areas in a planned manner. The Research and Development section of the institute may plan immediately for identifying faculty members in the research areas mentioned below and any other relevant area. Then step-by-step build-up infrastructure, fund and expertise on the areas so that large-scale efforts can be made. Also, the plan must include targets that need to be fulfilled.

Quantum Information; Quantum Materials, Artificial Intelligence, High Performance Computing, Flexible and Wearable Electronics, Robotics, Disaster Management, Molecular Materials, Systems Chemistry, Systems Biology, Structural Biology, Alternative Energy Science and Technology, Water Purification Technology, Renewable Materials, Cyclic Chemistry, Molecular Medicine, and Understanding Human Consciousness. These need to be supplemented by fundamental research in the sciences, engineering, mathematics, humanities and social sciences.

A 2.15 Institute needs to create special funds for admitting PhD students from specific SAARC countries. The funds can be utilized for their fellowship. This can be started from 2021 with 5 students. Each year this number can increase at least by 10.

A 2.16 By the end of 2021 one joint laboratory between an institute of international importance and IITG can be established. This is to bring in the potential of international collaboration.

A 2.17 One-year post-doctoral fellowship for institute research scholars. This is for research scholars who are due to complete the PhD shortly and are adjudged to be able to contribute significantly towards research for the same or different laboratory. The number of such fellowship may be kept reasonably high.

A 2.18 Wherever possible, joint PhD programs can be initiated with universities where IIT Guwahati already has established MoU, so that international collaboration and exchange of students can be made.

A 2.19 All industrial units and incubation centres operating from IITG must have collaborations with research laboratories of IITG. This needs to start from 2021. This will help IITG faculty to work closely with the industry.

A 2.20 Faculty members may be assisted with secretarial help in their R&D activities. This can be done through extra staff members in the departmental/centre's offices.

A 2.21 Faculty members securing fellowship of premier national academies or highly important international academies may be provided additional salaries through allowances. Those who

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have the fellowship of a single premier national academy may be made Departmental Professor with an allowance of Rs.10000/- per month. Those who have the fellowship of two or more premier academies may be made Institute Professor with an allowance of Rs. 15000/- per month. The list of the academies will be approved by the institute from time to time.

A 2.22 Institute may start reemployment of faculty as Emeritus Professor based on criteria of achievements till superannuation. This may include the number and nature of funded projects, original contributions in the field and extraordinary teaching abilities. Fellowships of prominent academies may also be taken into consideration.

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Annexure 3

Teaching

A 3.1 Undergraduate and Masters degree students may be encouraged to pursue collaborative internship. One or more faculty member(s) of IITG and external member(s) of the organization where the student is expected to pursue internship may collaborate on a mutually agreed research and development project. The successful completion of the internship may be evaluated by the outcome in terms of publication, patent or any other form of knowledge creation. Student can earn 20 credits per internship. Departmental undergraduate programme committee may evaluate the process and award the credit.

A 3.2 Undergraduate students may be encouraged to pursue start-ups from the campus. Successful students can earn 50 credits for each start-up of eminence. This can be recommended by the Centre for Career Development.

A 3.3 Undergraduate students may participate in works related to social welfare. They can (each) credit for the work that can be equivalent to 50 credits in four years. However, they need to demonstrate credible evidence and new model for work in order to earn the credits. Students Affairs section may be able to handle the evaluation of such programs.

A 3.4 If a faculty member is involved along with students in creating start-ups then faculty member may be rewarded based on the outcome. A prize – which may be called as IITG Start-up Prize – may be awarded with reasonable cash rewards for both. Such recognition can be used for evaluation of faculty members in their promotion to higher posts.

A 3.5 A percentage of undergraduate students (say 5%) may be allowed to have research as a part of curriculum from the second semester of their studies and till they complete the degree. The students need to score high SPI in the first semester and continue to do so in order for them to continue. This could be a 50-credit course. They can opt for research with one or more faculty of the institute and may be allowed to collaborate with external member(s). DUPC and the faculty advisor may jointly decide on the grade. The progress may be evaluated in line with undergraduate thesis project.

A 3.6 Credits for Student Entrepreneurship: The institute may consider awarding credits to students who either individually or in a group pursue entrepreneurship during their studies at IITG. This can be applicable to students of any category. The students need to demonstrate credibly the creation and nurturing of such a prospect during their tenure here. The credits can be added sometime before successful entrepreneurship.

A 3.7 Senior-most undergraduate (final year) students may be allowed to assist the teaching laboratories as teaching assistants. Since the number may be low, scholarships may be arranged.

A 3.8 Senior-most undergraduate (final year) students may be permitted to assist as tutors in theory courses. They may be given appropriate scholarships for this.

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A 3.9 Evaluation of teaching may be conducted every semester for all courses. The scores of the teachers may be used as a criterion for promotion to higher positions.

A 3.10 Distinguished teachers' list may be published for each semester at the end of the semester. The minimum scores such as 3.5 for undergraduate and 4.5 for M.Sc. and PhD courses could be made criteria for such a selection.

A 3.11 Distant learning courses could be developed and taught through online teaching.

A 3.12 Consideration may be given to start distant learning programs in currently important areas such as artificial intelligence, robotics, clean energy and environment.

A 3.13 A students' magazine may be started to disseminate information about academic and extracurricular activities of the students and other scholars. This may also have contributions from alumnae and alumni.

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Annexure 4

Enhancing the Diversity of the Undergraduate Students

A 4.1 In order to attract a greater diversity of undergraduate students, the Institute has to ensure that it has the best resources to offer, which includes qualified faculty, state-of-the-art laboratories, a well-stocked library, well maintained hostels, a safe and well-kept campus, sports infrastructure and so on.

A 4.2 A continuous evaluation of the programmes in terms of teaching, student attendance, students' feedback, students' performance and their placements should be made.

A 4.3 The courses and programmes with a good track record of teaching, student performance and placements should be highlighted and advertised on the Institute website. This will enhance the Institute's reputation and recognition with respect to certain programmes and disciplines.

A 4.4 The Institute must welcome students from all parts of the world including those who are from less privileged countries in the Indian subcontinent, Southeast Asia and Africa. As the IITs already have a reputation as premier institutes of engineering and technology that offer a far more affordable education than the West, it will be important for the Institute to cater to students from these regions of the world.

A 4.5 Institute must, through its faculty, sign Memorandums of Understanding with international universities and institutes to encourage faculty and student exchange programmes and internships.

A 4.6 Meritorious international students, especially those from socially and economically disadvantaged backgrounds, should be offered stipends and scholarships.

A 4.7 There should an active implementation of a no-discrimination and no-ragging policy that ensures the freedom and safety of international students. The Alumni and External Affairs section needs to play an active role in pursuing the interests of international students and offering them a safe and conducive working environment.

A 4.8 The AER should be prompt in responding to any grievances. The AER should regularly organise open-house events where international students can interact with other students. This will also be an opportunity to have a cultural exchange and audio-visual presentations to sensitize Indian students to foreign cultures.

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Annexure 5

Faculty Career Development

A 5.1 When a new faculty member joins, he/she may be apprised of the institute policy regarding promotion so that they can set their goals accordingly. Knowing the institute's expectations concretely at the time of joining may help the new faculty member focus on targets. It can be done by Faculty Affairs Section at the institute level and HoDs at the departmental level.

A 5.2 The shortlisting criteria for internal promotions after consultation with IFAC and the DFACs can be fixed for a particular number of years (say 5 years), which may help the faculty members to focus on the targets. When the criteria is updated to align with the expected future changes, a transition period of up to a year should be given for the policy to take effect.

A 5.3 Since the institute has a sizable faculty strength in each of its departments, the fresh recruitment criteria can be set high whenever possible. Each department may deliberate on a policy for its new recruitment.

A 5.4 The AER Section of the institute can make efforts to promote IIT Guwahati among PhD students and postdoctoral fellows working in premier institutes of the world for attract excellent candidates for faculty positions.

A 5.5 The departments may consider giving less teaching load to the newly joined faculty members in the initial four semesters to assist the new faculty in settling, applying for grants, set up labs, and initiate their research activities.

A 5.6 Faculty orientation should be held regularly. A short video explaining the institute procedures for newly joined faculty members can be helpful. The R & D Section and the Stores & Purchase Section of the institute can conduct training or webinar sessions to clarify the purchase procedures.

A 5.7 New faculty members with a specific need for expensive equipment and laboratory set-up to initiate their research work, the institute may consider enhancing the seed grant amount.

A 5.8 The institute may extend technical and official support to newly joined faculty members to set up the laboratory.

A 5.9 The CIF may consider allowing new faculty members to operate some of the instruments during weekends and holidays after proper training.

A 5.10 The institute may offer visiting/honorary positions to highly reputed academicians who can contribute significantly to the departments' growth. It will help create a network for grant, fellowship, or membership in prestigious academies and provide high visibility to the institution.

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Annexure 6

Advancing the Students Career

A 6.1 Academic placements, internship opportunities in foreign universities should be encouraged and facilitated by the institute similar to that available for the corporate job placements.

A 6.2 Contacts for academic placements can be established through faculty-research collaborations, Institute MOUs and alumni connections.

A 6.3 Further route of interaction can be established by inviting faculties from reputed foreign universities to conduct joint seminars, webinars, etc with IIT Guwahati.

A 6.4 Courses should include manufacturing components to improve the placement of students in core manufacturing jobs such as ship building, aircraft manufacturing, Robotics, etc.

A 6.5 Creating course curriculum that cater to different student interests should be considered. Option for students to diversify mid-course to choose the route of a traditional degree or degree with industrial components with long industry internships/academic internships from six months up to a year should be available. (Eg. IIT Gandhinagar,)

A 6.6 Due to digitising of several services and amenities, a high requirement of digital interaction, utilization of machine learning/artificial intelligence in several research areas there is a great need for the graduating students to have computational abilities. Thus, coding and analysis courses (5 courses) should be made part of the curriculum regardless of the basic degree.

A 6.7 Option to choose communication courses should be made available to the students to improve their communication skills.

A 6.8 Considering low placement outcomes of MTech/MSc students, departments should consider modifying the course curriculum to prepare the students either for industrial or academic jobs. An option to choose different routes (academic/corporate) can be provided to the students with relevant internship opportunities.

A 6.9 Opportunities for the students to pursue research internships/innovative start-ups within the institute should be opened for the students from the early stage of their study.

A 6.10 A portal for advertising research problems by the faculties and alumni can be made for the students to access and contribute with innovative solutions.

A 6.11 Technical fairs/academic fairs inviting recruiters/foreign universities can be conducted regularly to improve the internships and placement opportunities for the students.

A 6.12 The institute may consider providing career development counselling (academic counsellors) for the students to help them choose their career path.

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Annexure 7

International Students

Background information

The following two tables summarize the statistics of international students intake of the Institute during the period 2015-2019.

Table 1: International students intake (2015-2019)

	Post Doc	PhD	MTech	MDes	MA	BTech	MTech (exchange)	BTech (exchange)	BTech (intern)	Research intern	Exchange
2019	--	5	4	1	--	--	5	2	--	--	--
2018	--	5	2	1	--	--	--	--	--	--	4
2017	--	3	11	--	2	3	--	--	--	5	--
2016	2	7	10	--	--	--	--	2	2	1	--
2015	--	27	17	--	--	1	--	--	--	--	--

(Data were taken from AER website)

Table 2: Countries with the number of international students (2015-2019)

SAARC Countries + Myanmar		African countries + Asian countries (Mediterranean region)		Europe and North America		Other Asian countries	
Country	No of students	Country	No of students	Country	No of students	Country	No of students
Bhutan	0	Ethiopia	47	Canada	4	Japan	7
Bangladesh	3	Syria	16	France	7	South Korea	1
Nepal	3	Israel	2	Spain	5	Vietnam	1
Afghanistan	2	Uganda	3	Germany	3	Mongolia	1
Myanmar	2	Egypt	2	Denmark	1		
Sri Lanka	0	Iran	2	Portugal	1		
Pakistan	0	Nigeria	2	Sweden	2		
Maldives	0	Kenya	1	UK	1		
		South Africa	1				
		Botswana	1				
		Nigeria	1				

(Data were taken from AER website)

The following are some important information or observations about international students intake in IIT Guwahati.

- 1) Very few students from SAARC countries have studied in IIT Guwahati in the recent past.
- 2) Most of the regular students were from African countries or Asian countries of the Mediterranean region. The students from other countries were mostly exchange students or research interns.
- 3) The annual tuition fees for students from non-SAARC countries and SAARC countries are USD4000 and USD2000 respectively. The annual hostel fees are above INR 50,000.
- 4) No student from the nearest country Bhutan has taken admission in the Institute during 2015-2019. However, two PhD and one MTech Bhutanese students have taken admission in IIT Guwahati in 2020.

Here 'A' represents administration, 'R' represents research and 'T' represents teaching 20

ART of an Institution

- A 7.1 The goal is to increase the intake of international students at IIT Guwahati to enhance international academic reputation and improve global ranking.
- A 7.2 The Institute may enhance the foreign students' intake by increasing the brand awareness of IIT Guwahati among students and faculty members of the neighbouring countries through webinars and visits to foreign institutes.
- A 7.3 Various degree programs of IIT Guwahati can be promoted through Indian Embassies of targeted countries. Outreach offices can be established in a few selected countries.
- A 7.4 IIT Guwahati can publicize the details of various degree programs among those foreign students through foreign students who are already studying in India.
- A 7.5 Offer institute scholarships to a few bright foreign students especially from SAARC countries. This will encourage some bright students from those countries to study in IIT Guwahati and they can be the brand ambassadors to improve the perception of IIT Guwahati among the students of their countries. As a first step, IIT Guwahati may consider offering 10 scholarships to the students from the nearest neighbouring country Bhutan.
- A 7.6 Exchange programs or short-term courses are preferred by foreign students as many international students do not want to live in a foreign country for a long time. Institute may consider initiating more such programs with foreign institutes.
- A 7.7 Joint degree programs can be customized for the collaborating institutes. For example, the IIT Guwahati-Gifu University joint degree program is a successful one.
- A 7.8 Research internships can be offered to foreign students to enhance mutual perceptions between the foreign students and the Institute. It may benefit the Institute to assess the foreign students' research potential and some of these interns may be admitted to Master's or PhD program later.
- A 7.9 Institute may identify alumni working in foreign countries to appoint as brand ambassadors for promoting the brand "IIT Guwahati" and its degree programs.
- A 7.10 Develop specialized Infrastructure for foreign students for a comfortable living experience. This has already been initiated but the Institute may need to prepare for more hostel rooms with appropriate facilities.
- A 7.11 A separate office space for international students can be established under Alumni and External Relation Section. A team of faculty members can be appointed to assist this office of the AER Section. The admission process, funding requirements, rules, and regulations should be clearly explained and easily accessible through this office.
- A 7.12 Lack of familiarity with IIT entrance examinations, JEE, GATE, JAM, and CEED, is the primary challenge for foreign students to crack those examinations. Even the bright and diligent foreign students may find these examinations extremely difficult without focused training.

ART of an Institution

Annexure 8

Increasing Brand Value

A 8.1 Dynamic and updated webpages should be maintained by the Departments and Centres. Regular updating, say weekly, of the all the webpages should be made to project the recent developments and innovations.

A 8.2 The institute website can include a virtual campus tour of the campus highlighting the facilities and other amenities.

A 8.3 The sustainability efforts made by the institute should be highlighted.

A 8.4 Strengths of IIT Guwahati in terms of opportunities, area of study, industry linkages can be prominently highlighted.

A 8.5 Alumni achievement, interviews and testimonials can be highlighted. Distinguished alumni with their achievements can be highlighted in the department and institute webpages.

A 8.6 Social media can be utilized by departments and centres to highlight their achievements.

A 8.7 A small booklet containing institute core values, achievements with future plans can be given as a souvenir to institute visitors, alumni and partnering institutions.

A 8.8 A strong institute identity and cultural values of IITG can be communicated through the institute webpage.

A 8.9 A branding message that represents the institute core values can be developed after discussion with different stakeholders.

ART of an Institution

Names and Signatures of the committee members




Prof. Arun Chattopadhyay
(Chairman)



Anupam Saikia
11.11.2020

Prof. Anupam Saikia
(Member)

Prof. K. Rakesh Singh
(Member)



Prof. R. Inkulu
(Member)



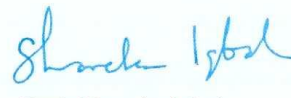
Prof. Prasenjit Khanikar
(Member)



Prof. Bithiah G. Jaganathan
(Member)



Kiran Keshavamurthy 11/12/2020
Prof. Kiran Keshavamurthy
(Member)



Prof. Shareka Iqbal
(Member)



Prof. P. K. Iyer,
(Convener)

Item No. 13

Status report of Dr.B.K.Rai after his Compulsory retirement order dt. 01/01/2020

The penalty of compulsory retirement was imposed upon Dr. B.K. Rai w.e.f. 01.01.2020 as per the decision of the Board in its 100th meeting held on 14.11.2019.

However, prior to imposition of the penalty of compulsory retirement, Dr. Rai was given the opportunity of personal hearing before the Board on 31.10.2019 to give his stand but, he did not appear for the aforesaid meeting. The Board in a special meeting held on 14.11.2019, afforded another opportunity of personal hearing to Dr. Rai in which he appeared before the Board.

Further, at previous instances many informal meetings were held with Dr. Rai and the former Chairman of the BOG and later on with the Director, IITG as the acting Chairman of the BOG after the tenure of the former Chairman ended.

Court Case:

Dr. Rai approached the Gauhati High Court vide his Writ Petition {WP©} No 518 of 2020 challenging the order of compulsory retirement imposed upon him by the Institute but, the Hon'ble Court, vide its order and judgment dated: 03.03.2020, allowed Dr. Rai to remain in the Quarter no C-66 of the Institute until his appeal to the Visitor, against the penalty of compulsory retirement is disposed off. Further, the court directed the respondent (i.e IITG) not to disturb the occupation of the quarter by Dr. Rai until any decision is taken by the Appellate authority w.r.t. to his appeal.

Being aggrieved by the aforesaid order, IITG filed an Interlocutory Application (IA) Petition vide no 270 of 2021 for modification of the aforesaid order dated: 03.03.2020 with a request for shifting Dr. Rai to another accommodation, to be provided by the Institute within the campus premises, due to shortage of quarters for other regular employees of the Institute and the matter is presently subjudice.

Appeal before Visitor:

The limitation period being 3 months from the date of the imposition of the penalty, the last date for preferring the appeal before the Visitor was 31st March, 2020. However,

nationwide lockdown was imposed from 24th March,2020 owing to the outbreak of Covid-19.

Dr. Rai's appeal dated 04.05.2020 to the Appellate authority i.e. the Visitor was forwarded by the Ministry of Education vide the letter dated: 28.10.2020 for para-wise comments from the Institute and accordingly, the Institute has given the interim reply vide letter Ref.: AD/LM/447/BKR/17/Vol.III/01 dated: 04.01.2021

Further, the final reply against the relevant points of Dr. Rai's appeal dated 04.05.2020 was sent by the Institute to the Ministry vide the letter Ref.: AD/LM/447/BKR/17/Vol.III/08(a) dated: 08.02.2021 consisting of 32 pages of para-wise reply along with 131 pages of annexures.

Threatening Letters

Three (03) nos. of threatening letters dated: 18.08.2020 bearing the signature of Dr. Rai addressed to Prof. Chitralekha Mahanta, Prof. Rohit Sinha and Dr. Gaurav Trivedi, faculty members of the Dept. of the EEE of the Institute have been reported, wherein, the recipients of the letters have been threatened with dire consequences.

RTI applications of Dr.B.K. Rai:

It may be noted that Dr Rai has been resorting to filing numerous RTI applications to IIT Guwahati pertaining to frivolous issues such as seeking the date of vacating his earlier D type quarter (Quarter no D-162) and allotment of the same to other employees of the Institute, which to a common perception is very unwanted and mere wastage of valuable time and effort of the Institute for preparation of the reply. Rather this can be viewed as act of taking personal vendetta against officials of the Institute which is against the larger public interest.

As on date, there are around 30 nos. of RTI applications filed by Dr. Rai subsequent to 01.01.2020.

Dr, Rai in his letter 10.08.2020 to the PPS to the Hon'ble President of India had clearly stated that he has filed various RTI applications in the names of Sujeet Swami, Avinash Kumar, and many others.

In this connection, it is noteworthy that an email communication dated: 14.02.2021 (copy enclosed) addressed to functionaries of the Institute along with many other officials of the Govt. of India has been received from Sujeet Swami wherein, he has informed that fake RTIs are being filed in his name against many institutions including IITs, without obtaining his consent and has requested not to furnish the replies against such RTIs without proper verification, to which Mr. Swami has also purportedly written to the Hon'ble Chief Justice of India. In this regard, the Institute is also contemplating to seek legal action against Dr. Rai.

Non-payment of Licence fee for the period from February,2020 till February,2021:

Payment of an amount of ₹4,86,680.00 as enhanced licence fee is yet to be received from Dr. Rai with effect from Feb, 2020 till Feb, 2021.

An employee residing in the quarter, who has resigned or has been terminated or dismissed or removed from service from the Institute can avail the quarter for a period of 1 month at the concessional rate (i.e. the rate applicable to an existing employee). But the Board, in its 103rd meeting held on 15.07.2020, resolved to enhance the existing licence fee by 50 times beyond the concessional period of 1 month, retrospectively from 01.01.2020, for an occupant retaining the quarter beyond the aforesaid retention period of 1 month. In view thereof, the revised or enhanced licence fee is yet to be received from Dr. B. K. Rai with effect from February 2020.

Subsequently, a letter was issued on 07.09.2020 to Dr. Rai to deposit the revised licence fee amounting to ₹ 289180.00. Further, reminders were sent to Dr. Rai on 21.01.2021 and 01.02.2021 for depositing the licence fee. As on February, 2021 an amount of ₹ 4,86,680.00 is due from Dr. B. K. Rai as licence fee.

Regarding Himanchal Singh and Vikrant Singh, Students of IITG in the Dept. of EEE:

The Institute has taken action against two students namely, Vikrant Singh and Himanchal Singh for defaming the Institute.

Vikrant Singh was expelled with effect from 10.03.2021 to 27.07.2021 for his indulgence in misrepresentation of facts related to the Institute without proper verification and resulting into defamation of the Institute.

In respect of Himanchal Singh, as per the 152nd Senate resolution an undertaking was to be submitted by Mr. Himanchal Singh to the Institute for coming back to the IIT Guwahati campus to which Mr. Himanchal Singh has not submitted.

The above actions of the Institute against the two students were taken as per the established procedure of the Students Conduct Rule applicable to the Institute for smooth functioning and adherence to inculcate a research oriented environment for building an Institute of International repute.

Subsequently, the aforesaid actions of the Institute against the two students were published by Dr. BK Rai on social media with an intent to malign the image of the Institute whereby leading to incitement and provocation among the students' community against the Institute. This reflects his wayward and anti-establishment attitude and action to the otherwise vibrant academic and research oriented environment of IIT Guwahati.

The matter is placed before the BOG for information and advice.

Annexure -6

Date: 30/03/2021

From:

Dr. Brijesh Kumar Rai,
Ex. Asst. Professor (Dept. of
EEE)

Quarter No. C-66,

IIT Guwahati – 781039

Mobile No.: +91-8011004816

E-mail: brijesh.rai@gmail.com

To,
Dr. Rajiv I. Modi
Chairman and Managing Director
Cadila Pharmaceuticals Limited
Sarkhej-Dholka Road, Bhat,
Ahmedabad, India, 382210
Tel: +91 2718 225039

Subject: Appeal against unjust and illegal order of expulsion of my Student Vikrant Singh dated 10.03.2021 by the student affairs – based on Disciplinary case diary

Reference: Appeal dated 13/03/2021 to Board of Governors, Secretary, MoE, and President of India with annexures

My student has written to all of you at MoE to take action on many people at IIT Guwahati and all of you have collectively failed in performing your administrative duty with integrity, which was to safeguard public property and set an amicable working atmosphere by protecting the upright and punishing the erring officials for their flatulent malpractices. In contract, by abusing the post/power vested on you all for further criminal conspiracy to victimize my student. The effect of which is surely detrimental for the IIT Guwahati in long run and all IITs in general.

Myself and my students in particular Mr. Vikrant Singh is crusader against corruption, If you all taking action against me and my student, I am warning you not to do that. Instead I order you to act fast on my student Mr. Vikrant Singh's above complaint. Otherwise, I might have to file a criminal case on you responsible for IIT's BOG, IITG for not acting on my student complaint. In fact, the previous and present administration of IIT Guwahati and BoG members have done violation of a series of GOI rules / law of land. Myself and Mr. Vikrant Singh will expose all of them including all BOG members of IIT Guwahati for their wrong doing and for not acting on our complaints. We both have filed many RTI's in our names, and others like Mr. Sujeet

Swami & others and has obtained incriminating evidences on IITG and its officials including MOE officials.

With malafide intentions, MoE is delaying on Mr. Vikrant Singh's complaint. I will initiate the court proceedings on you and MoE, if we do not get justice in our appeal to the Board of Governors. You as chairman of BOG not replying at all to my complaint. You are an autocrat and not deserved to be in the chair of BOG of IIT Guwahati.

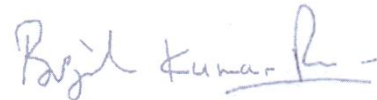
We are losing our patience. IIT Guwahati including director, deans, associate deans and all officials of student affairs are torturing my student Vikrant Singh in a similar manner like Rohit vemula. How many students will be tortured and authority concerned will be simply mook spectators? Have we become a banana republic. I condemn victimization of a Ph D student at IIT Guwahati. If you do not stop this, I will mobilize all shop owners in and outside of IIT Guwahati along with my student leaders Mr. Vikrant Singh and Himanchal Singh will protest and do hunger strike starting from April 20th 2021. We have started the social media movement already. We are getting a momentum from across India through researcher's group.

May god saves us from authorities who are taking away our fundamental rights to do strikes. You as the Addl. Secretary of Higher education should act without fear and dispose of my student complaint immediately and bring justice to him. Otherwise, I will expose you and your corrupt practices in Manipur. I have got all the relevant files of yours through RTI.

At every stage IIT Guwahati violated the article 311(1) of the constitution of India and also would violate to the protective provisions contained under article 311(2) which ensures that no public servant is dismissed without following fair procedures in which he/she been given a reasonable opportunity to meet the allegations contained in the charge-sheet.

Thanking you

Yours sincerely



Dr. Brijesh Kumar Rai,
Ex. Asst. Professor (Dept. of EEE)

- Cc, 1. President of India
2. Secretary, MHRD, Govt of India
3. Director, IIT Guwahati
4. Registrar, IIT Guwahati

← **Tweet**



Dr. Brijesh Rai @brijeshrai · Mar 11

Let us meet to protest against forced eviction of students. I have mobilized shop owners across faculty gates to join. This will be a protest against Himanta Biswa Sarma, BJP, Modi and IIT Guwahati . Vikrant and Himanchal will lead the protest

- @EduMinOfIndia
- @PMOIndia
- @narendramodi
- @yuvanabohol
- @khanumarfa
- @IITGuwahati
- @DirectorIITG



↻ 17

♥ 23



Item No 14

Status of the Disciplinary Cases against Mr. Himanchal Singh, Research Scholar, Department of EEE and Mr Vikrant Singh, Research Scholar, Department of EEE , IIT Guwahati

A. Status of the Disciplinary Cases against Mr Himanchal Singh, Research Scholar ,Deptt of EEE

Mr. Himanchal Singh, Roll No. 176102109, joined the Institute on 01/01/2018, as a PhD student, in the Dept. of EEE. On 21.04.2019, a complaint was received from the Hostel Disciplinary Committee (HDC), Lohit Hostel that Mr. Himanchal Singh who was the General Secretary of Hostel Affairs Board (HAB) at that time, vehemently tore down a hostel notification in front of the main entrance of the hostel. The incident was seen as a gross violation of the code of conduct of the hostel and hence Mr. Himanchal was summoned by the HDC. The matter also forwarded to the Students' Disciplinary Committee (SDC) by the HDC.

Further on 17.11.2019, Mr. Himanchal Singh along with Mr. Vikrant Singh took the lead in a silent candle march in support of Dr. B.K. Rai.

On 04.01.2020 to 07.01.2020, Mr Himanchal Singh and Mr Vikrant Singh resorted to hunger strike in the Institute premises in support of Dr. Brijesh Kumar Rai by misinterpreting the facts that are related to suspension despite the fact that the Institute denied them permission for the same.

Considering their wellbeing and health factors the Dean and the Associate Deans of Students' Affairs asked them to put an end to the strike but they paid no heed to the request an official order/notice was issued which was also not followed.

Mr. Himanchal Singh created a Facebook post in support of Dr. B. K. Rai and also condemned the IITG administration. He also made derogatory remarks against the Institute authorities, and also shared videos of Dr. B. K. Rai, which posed as defamatory articles to the Institute. This misrepresentation of facts in print/electronic media by posting matters related to IITG administration on the Facebook page of IIT Guwahati Campus Junta is a violation of the conduct rules of students of IIT Guwahati.

Mr. Himanchal Singh joining hand with Vikrant Singh also filed a false FIR against the Director and 22 deans of the Institute which was discussed in the 99th BOG meeting held on 31.10.2019.

The misconduct of Mr. Himanchal Singh discussed by SDC time to time. Seven (7) SDC meetings were held to discuss various issues as mentioned above. The SDC found them guilty and deliberated the verdict, which is given at the case diary. He along with Mr Vikrant Singh violated the SDC recommendation. On this the Competent Authority decided to refer the matter to Senate. The Senate in its 148 meeting constituted a special Senate committee with Prof. S. K. Kakoty (Present Deputy Director) as Chairman. The Special Senate Committee recommended that Mr. Himanchal Singh be allowed to enter into the campus and pursue his academics on submission of an undertaking. The recommendation of the Committee has been approved by the Senate in its 152rd meeting held on 03.02.2021. However, Mr. Singh has entered the campus violating the Institute protocols as set by the Students Affairs section for bringing back the students in the campus and not completed the Semester registration till date for which he was not allowed to stay in the Hostel. The matter was reported to the Senate in its 153rd meeting held on 12.03.2021 which was noted by the Senate. It may also be noted that Mr Singh has not signed the undertaking as recommended by the Senate till date.

The case diary of Mr. Himanchal Singh is enclosed as **Annexure-14**(not enclosed)

B. Status of the Disciplinary Cases against Mr Vikrant Singh, Research Scholar , Deptt of EEE.

Mr. Vikrant Singh, Roll No. 166102108 joined the Institute on 02/01/2017 as a PhD student, in the Dept. of EEE. On 10.08.2017 a complaint was received from the Dept. of EEE stating that Mr. Vikrant had been sending derogatory E-mails to the HoD, DPPC Secretary and a senior faculty member. The E-mail contained false accusations against both the HoD and DPPC secretary and the words used in the letter were extremely defaming. Hereafter, on 13.09.2017 & 19.12.2017 a DDC (Departmental Disciplinary Committee) meeting were held and Mr. Vikrant was asked to explain the contents of his emails. However, Mr. Vikrant was not regretful about his

acts, rather he argued to justify his actions. The DDC noted that such unruly behavior from a PhD student could not be entertained within an educational campus, and the matter was forwarded to the SDC on 22.09.2017, wherein Mr. Vikrant had been warned vide a warning letter from the Students' Affairs office dtd. 12.10.2017.

A complain was lodged by Dr Gaurav Trivedi Assoc Professor Dept of EEE stating about mental harassment, defamation and criminal intimidation by Mr Vikrant Singh and four other student.

Another complaint was received from Ms. Manashri M Bordoloi, Security Officer dated 04.10.2018, against Mr. Vikrant, stating that he had been involved in maligning Ms. Bordoloi's name on social media sites.

on 17.11.2019 , Mr. Vikrant Singh Mr. Himanchal Singh along with took the lead in a silent candle march in support of Dr. B.K. Rai .

On 04.01.2020 to 07.01.2020, Mr Himanchal Singh and Mr Vikrant Singh resorted to hunger strike in the Institute premises in support of Dr. Brijesh Kumar Rai by misinterpreting the facts that are related to suspension despite the fact that the Institute denied them permission for the same.

Mr. Vikrant Singh along with Six other students filed a Writ Petition in the Hon'ble Gauhati High Court against Ministry of HRD , Govt. of India and IIT Guwahati relating to HRA and some other related components as charged by the Institute. Further he along with Dr B K Rai also filed a PIL in the Hon'ble Gauhati Court titled construction of a temple inside the campus of IIT Guwahati. Both this matters have already been placed before the 98th Meeting the BOG.

Mr. Vikrant Singh joining hand with Mr. Himanchal Singh also filed a false FIR against the Director and 22 deans of the Institute which was discussed in the 99th BOG meeting held on 31.10.2019.

The misconduct of Mr. Vikrant Singh discussed by SDC time to time. Thirteen (13) SDC meetings were held to discuss various issues as mentioned above The SDC found them guilty and deliberated the verdict. On this the Competent Authority decided to refer the matter to Senate. The Senate in its 148 meeting constituted a special Senate committee with Prof. S. K. Kakoty (Present Deputy Director) as Chairman which is under process

In the meantime Mr Vikrant Singh again violated the verdict and the Institute decided to expel him for one academic semester as per the recommendation of SDC. The same was reported to the 153rd Senate held on 12.03.2021. Even after the expulsion Mr Vikrant Singh resorted to print and electronic media providing interviews that resulted in defaming the Institute. The matter has been referred to the SDC again. The case Diary of Mr. Vikrant Singh is enclosed as **Annexure-15** (not enclosed).

Status report is placed before the Board for Advice.

Annexure-8

Date: 1. 4. 21

To

The Secretary,
Ministry of Education, Govt of India
CC: BOG, IITG

Subject: drawing your attention towards false propaganda by Dr B K Rai, Mr. Vikrant Singh and Mr. Himanchal Singh against IIT Guwahati

Dear Sir,

As we all know that IIT Guwahati is doing great now a days and Institute achievements are well recognized, appreciated, acknowledged across the globe and few specializations got place under top 100 ranking across the world. At the same time, few people are spreading the false propaganda against the institute and few such propagandas and false allegations by them are mentioned below:

1. Repeated postings of the framed charges (indulging in illegal and corrupt activities) against Prof T. G. Sitharam, Director, IITG and Prof. Gautam Biswas, Ex-Director, IITG and other administrators are baseless. Therefore, social media post in this regard by Mr. Vikrant Singh, Mr. Himanchal Singh and Dr. B K Rai are irrelevant and against the institute. We condemn such personal attacks.
2. Moreover, they have been misrepresenting various facts about the Institute on social media with a pure intention solely to defame the institute. Thus, tarnishing the image of the institute. As a student, we are very much concerned about the image of our Institute.
3. Mr. Vikrant Singh, Mr. Himanchal Singh sat for the hunger strike that has disturbed the academic environment of IIT Guwahati almost for a week time and was very much unbecoming of IIT Guwahati.
4. They are posting everywhere that termination of the Dr. B K Rai is illegal. As far as we know, this matter is sub judice under president office after the instruction of the court only. Therefore, leveling the charges that termination of Dr. B K Rai is illegal, is a self-claimed sentence.
5. They were repeatedly posting about the illegal construction of the Shiva-Temple at IIT Guwahati this is baseless charge. This temple is located at the same place for many years even much before from the inception of IIT Guwahati at Amingaon, Guwahati. Unnecessary surfacing this on the social and print media is just to find out some issue to target the IITG administration for personal benefits is very much against the institute and disturb the harmony within institute.

Sir, my sincere request to you to not to consider these false propagandas seriously, these are framed allegations which are motivated with the personal interests rather than in the interest of the institute and academic institutions of the country at large. We request you to take the measures to stops such wrong malafide postings in social/print media and warn the responsible persons.

Thanks, and Sincerely Yours,

P.V.R. Narayana Reddy
V R NARENDRA BABU PERUMALLA (PG Representative, SGC, IITG, 2013-14)
General Secretary, HAB, SGC, IITG, 2014-15
MOHIT MISHRA (Vice-President, SGC, IITG, 2019-21)
Anam Mishra (Doctoral Representative, SAB-2019-21).
S. PREM KOMAR (PG Representative SGC, IIT-G 2021-22)

Annexure-9

Minutes of the 152nd Meeting of the Senate held on 3rd February 2021
Indian Institute of Technology Guwahati

Item 6: To consider a proposal to start a new centre viz. Centre for Indian Knowledge Systems.

Considering the call of Hon'ble Prime Minister of India, Shri Narendra Modi, in his Convocation Address at the 22nd Convocation of IIT Guwahati dated September 22, 2020, the Institute has taken steps to set up a new academic centre viz. Centre for Indian Knowledge Systems. Prof. Sukanya Sharma, Dept. of HSS, made a presentation to the Senate about the proposal to start the centre. The Senate welcomed the proposal as the centre would involve interdisciplinary research for preserving, documenting, and building upon a philosophic and scientific understanding of Indian Knowledge Systems.

The Senate EXAMINED the proposal and deliberated on issues such as introduction of Master's programme, prospects, sustainability, its long-term goals and inclusion of North-East knowledge system. Accordingly, the Senate approved the proposal for establishment of the Centre for Indian Knowledge Systems and recommended to place the proposal for establishing the new centre in the BOG. The Senate further recommended that the core group should revise the proposal appropriately considering all the suggestions to address the queries raised in the discussion. The Senate decided that the proposed academic programmes needed to be submitted to IPPC for discussion and recommendation. However, the Senate approved in-principle to start the PhD programme.

R.152/6/2021: The Senate **RESOLVED** that the proposal to start a new centre viz. Centre for Indian Knowledge Systems and start its PhD programme be **APPROVED** and **RECOMMENDED** to be placed in the BOG.

Proposal for a New Center

1. TITLE:

Center for Indian Knowledge Systems

PREAMBLE:

The proposed Centre is an academic center involving multi-disciplinary research for preserving, documenting, and building upon a philosophic and scientific understanding of Indian Traditional Knowledge Systems.

2. MISSION STATEMENT:

The Center for Indian Knowledge Systems will put into place a research-development-practice paradigm of Indian knowledge systems that could play a vital role in enriching education. Its mission is to create new knowledge and skills to build capacity for a sustainable knowledge system. This paradigm advocates progress tempered with environmental conservation and respect for ecologically sustainable practices. By using a scientific process that is rigorous and systemic, research in these knowledge systems will then be disseminated into cutting edge professional development programs.

3. RATIONALE

A. Why is this area important, relevant, contemporary or useful? What societal problems are addressed, or what is the market for its services, products and activities?

In the 22nd convocation speech, on 22nd September 2020, honourable Prime Minister of India, Narendra Modi ji had requested IIT Guwahati to set up a Centre for Indian Knowledge Systems. Accordingly, the institute has taken steps to set up the Centre. The Indian Knowledge Systems spread across a broad canvas from ancient textual material and manuscripts in classical Indian languages to folk practitioners, their craft and skills forming a living tradition. They are a store-house of retrievable information in varied areas like agriculture, architecture, metallurgy, metalworking, textiles, and healthcare systems, besides containing living oral traditions in numerous languages and

literature. They also have rigorous theoretical knowledge ranging from astronomy and mathematics to metaphysics, grammar, logic, literature, and linguistics. This is a cumulative body of knowledge, practice, and belief, containing canonical and dissenting traditions that have evolved by adaptive processes and handed down to generations through a process of cultural transmission.

The Center hopes to undertake original research in the area of Indian Knowledge Systems that will guide the development and implementation of programs for the diffusion of traditional and contemporary knowledge. The Center will help IIT Guwahati to develop effective technologies that will help to provide realistic evaluations of local needs, environmental constraints, and production systems based on the local resources. Scholars from different backgrounds will be encouraged to participate in the new Center's interdisciplinary research and education programs, enabling them to evolve practices and technologies in varied areas for sustainable growth and development.

B. How is IIT Guwahati poised to make exceptional contributions in this research area?

A hallmark of the Center for Indian Knowledge Systems is its unique focus on a research and development model to study, initiate research and practice traditional knowledge systems and their contemporary use. This work will provide new knowledge and skill development for current and future use of the vast repository of the traditional knowledge system of India. The Center will serve as an incubator for innovative ideas and practices that will be tested and disseminated.

C. What can be achieved by the formation of this Center?

Unique to our Center is an interdisciplinary focus involving perspectives from traditional skill and practices, science, technology, humanities and social sciences. This synergy among the varied groups in society will foster rich grounds in research, training, and practice. Collaborations across disciplines will expand research endeavors as well as enhance intellectual capital. In turn, this collaborative and interdisciplinary network will

enrich graduate students' training and professional development in the community.

4. RESEARCH DESCRIPTION:

The Center for Indian Knowledge Systems will focus on several different research and practice areas that will evolve as the Center grows and formulates over the next several years.

The six areas of study that have been identified at its inception include:

- A. Documentation of traditional knowledge systems in India with a primary focus on Northeast India
- B. Identifying links between the knowledge systems and the community as they relate to capacity building.
- C. The interplay between indigenous and western knowledge systems in relation to economic development.
- D. The study of different factors that influence attitudes and behaviors towards the indigenous knowledge systems.
- E. Diffusion of ideas in the domain of science and technology and traditional knowledge systems of India.
- F. Develop a Communities Educational Partners program.

(Please refer to Appendix 1 Research Proposal)

5. OBJECTIVES (Describe how the Center will contribute to IIT Guwahati's mission to integrate teaching and research with Multi-disciplinary PhD program, short courses, certificate programs, seminars, workshops or other endeavors):

The Center for Indian Knowledge systems will provide an interdisciplinary space in the institute for faculty interested in enhancing the quality of technical education. It will provide an opportunity to collaborate on the development of new programs, conduct

research, and create new partnership between academics, researchers, and communities of practitioners and users.

We anticipate that the research activities of the Center will:

1. Result in a multi-disciplinary PhD program in Indian Knowledge Systems
2. Results in memorandum of understanding (MoU) between IIT Guwahati and several universities working on Indian knowledge systems
3. Result in seminars and focused workshops designed to translate research into practice. These sessions will be designed to develop an interface between educators and community leaders representing community action groups, social service agencies, and business and industry groups.
4. Help design programs for the students of the institute on the structure and methodology of Indian knowledge systems.
5. Inform the creation of meaningful partnerships between academia and community pivoted on the development of traditional knowledge systems. An expected outgrowth of these partnerships is the development of problem-based learning experiences and case studies that will be used in various courses offered by the different departments.
6. Provide opportunities to both undergraduate and graduate students to intern and/or conduct research through the Center's Communities Educational Partners program.
7. Lead to the development of an interactive database of traditional knowledge systems of India and Northeast India in particular.
8. Study of the importance of traditional medical systems and yoga based on

empirical data.

9. Academic Program- PhD in Indian Knowledge Systems.

Proposed intake: 6

The Centre will be offering a doctoral program in interdisciplinary research across Humanities, Sciences, Engineering, and Design. Students can apply against a research proposal mentioned in the advertisement. Candidates need to select at least one and maximum two Research Proposals listed depending on their interests and eligibility.

Interested faculty members can express their interest in an area of Indian Knowledge

Systems for admitting PhD students. Eligibility criteria of prospective students will be defined year to year based on the requirement after following the selection criteria of the IIT Guwahati doctoral program.

Each proposal will have a separate committee to decide the shortlisting criteria and mode of selection. There will be a committee comprising of the proposed faculty members and one nominee of the HOC. This committee will submit shortlisting and selection criteria to the academic section for approval.

Selected candidates need to work with the proposed faculty members only and Supervisors will be decided at the time of selection.

Students will have to do course work. Relevant already existing courses of the parent department of the Supervisors can be taken by the registered students. Later depending on requirement courses new electives can be floated.

Structure

Advisory Board (Please refer to Annexure 1)

Head of the Centre - To be appointed as per IITG rules

7. PARTICIPANTS:

A. All departments of IITG

B. Specific Faculty Members (Please refer to Annexure 2 and Table 1)

8. FINANCES

(A) Initial Investments

To fully fund the Center for Indian Knowledge Systems a total amount of Rupees Forty Lakhs (10+5+5) needs to be raised for the following expenses:

For developing the Center office and research scholars' cabin: Rs.25 Lakhs

PC, Printer, Scan for the office: Rs. 5 lakhs

Contingency and Consumables: Rs. 5 lakhs

PCs for Research Scholars: Rs. 5 lakhs

(B) Continued Funding (How will this center/institute be sustained? Who is responsible for obtaining this funding?)

The recurring costs of the Center should be provided by the institute.

Also research funds will be generated from Sponsored Research projects and Consultancies. The Centre is planning to obtain support for several of its projects already outlined from the following sources:

Government Sources:

Council for Advancement of People's Action and Rural Technology (CAPART), New Delhi.

Tribal Co-operative Marketing Federation of India (TRIFED) Ltd., New Delhi.

Department of Science and Technology, New Delhi.

National Bank for Agriculture and Rural Development (NABARD), Mumbai.

Ministry of Environment and Forest

ATMA Project – Government of India

Ministry Of Ayush

Other Sources

FORD Foundation India, New Delhi

Educational and Training Consultants, Netherlands

Indo-German Social Service Society, New Delhi.

World Wildlife Fund, USA

Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI)

United Nations Development Programme – Global Environment Facility UNDP – GEF
Food and Agriculture Organisations of the United Nations, New Delhi

9. FACILITIES REQUIRED

The Center will require space 1400 sq ft in IITG and this will be acquired through the reallocation of current offices and the addition of new space from the Institute.

Staff requirement:

Position	Number	Remuneration	Required qualifications
Junior Technical Superintendent	01	As per rule	As per existing norms

Office Attendant	01	As per rule	As per existing norms

10. EVALUATION

Yearly goals for the Center will be ascertained and presented to the institute at the beginning of each academic year. The performance evaluation of the Center will be determined based upon the achievement of the specified goals.

An Advisory Board will be established for the Center and will work with the HOC in creating a five-year strategic plan.

Annexure 1
Advisory Board

1. Dr. Kuladhar Saikia, President Asom Sahitya Sabha
https://en.wikipedia.org/wiki/Kuladhar_Saikia
2. Prof Desmond Kharmawphlang, Professor and Head of the Department of Cultural and Creative Studies, Northeastern Hill University, Shillong
<https://nehu.ac.in/faculty/display/155/Prof-Desmond-L-Kharmawphlang>
3. Prof. Amitava Ghosh, Honorary Scientist of Indian National Science Academy, New Delhi and The National Academy of Sciences, India, Allahabad and former Director of IIT Kharagpur and former Professor and Head of Mechanical Engineering at IIT Kanpur
<file:///C:/Users/Sukanya/AppData/Local/Temp/Abridged%20Bio%20Sketch%20-%20Copy.pdf>
4. Shri A D Choudhury, Director General, National Council of Science Museums, Ministry of Culture, Government of India
<https://ncsm.gov.in/dgs-message-2/>
5. Prof. Rani Sadasiva Murty, Dean Academic Affairs, National Sanskrit University, Tirupati
http://nsktu.ac.in/?page_id=682
6. Prof. Dipak Kr Sharma, Vice Chancellor, Kumar Bhaskar Verma Sanskrit And Ancient Studies University, Assam
<https://www.kbvsasun.ac.in/vchancellor.php>

Annexure 2

Centre for Indian Knowledge Systems, IIT Guwahati

List of Faculty Members

#	Name	e-mail	Area of Interest
1	Prof. Sukanya Sharma	sukanya@iitg.ac.in	
2	Dr. TV Bharat	tvb@iitg.ac.in	
3	Prof. Arvind K Singh	arvind@iitg.ac.in	
4	Dr. Indu Siva Ranjani G	gindu@iitg.ac.in	
5	Prof. K D Singh	darun@iitg.ac.in	
6	Dr. Mriganka M	mriganka@iitg.ac.in	
7	Dr. Pankaj Kalita	pankajk@iitg.ac.in	
8	Prof. Prabhu V	vprabhu@iitg.ac.in	
9	Prof. Ramagopal VSU	ramgopalu@iitg.ac.in	
10	Prof. Senthilvelan S	ssvelan@iitg.ac.in	
11	Prof. Shakuntala M	smahanta@iitg.ac.in	
12	Dr. Siddhartha S	siddhartafp@iitg.ac.in	
13	Dr. Srinivasan K	srinikris@iitg.ac.in	
14	Prof. Uday Shanker D	uday@iitg.ac.in	
15	Prof. Vimal Katiyar	vkatiyar@iitg.ac.in	
16	Dr. Pahi Saikia	pahi@iitg.ac.in	
17	Prof. Arun Goyal	arungoyl@iitg.ac.in	
18	Prof. A K Das	dasak@iitg.ac.in	
19	Prof. Rohini Mokashi P	rohini@iitg.ac.in	
20	Prof. Utpal Bora	ubora@iitg.ac.in	
21	Prof. Alike Khare	alika@iitg.ac.in	
22	Dr. Mithilesh Jha	jhamki@iitg.ac.in	
23	Prof. Archana Barua	archana@iitg.ac.in	

Centre for Indian Knowledge Systems

External Members

Prof. Manish Singhal	Professor of Organisational Behaviour, XLRI, Jamshedpur	https://acad.xlri.ac.in/facprofile/index.php?162
Prof. Marco Mitri	HOD, Dept. of History, Union Christian College, Barapani, Shillong	http://www.uccollegemeghalaya.ac.in/departments.html
Mr. Arupjyoti Das	Managing Trustee, Centre of Koch Rajbanshi Studies and Development (CKRSD)	https://kochrajbanshiculture.org/
Dr. Pai Venkateswara R	Assistant Professor, HSS, ISER, Pune	https://www.iiserpune.ac.in/people/faculty-details/167

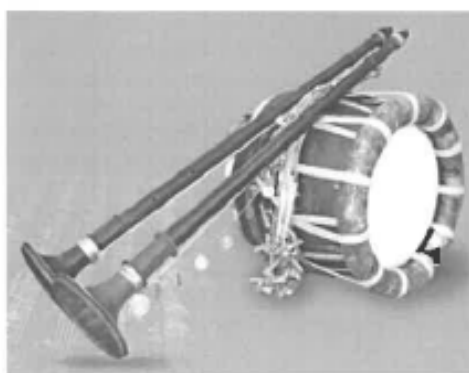
Appendix 1- Research Proposals

South Indian Classical Musical Instruments- A Scientific Understanding

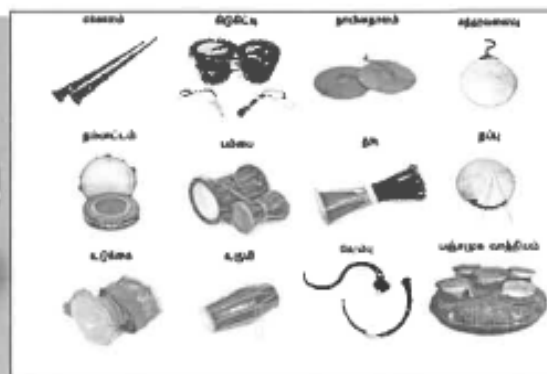
The music instrument creates sound when part of it vibrates rapidly. The column of air inside a wind instrument, the string of a string instrument, or the stretched skin of a percussion instrument all vibrate when played. Sound generated from the musical instruments not only changes emotion but also basic chemistry of the human being.

In the traditional south Indian musical instruments, most of the materials are made out of organic materials, from parts of the plants, trees, animals. Earlier string instruments of south Indian music instruments including venna were made of vegetable fiber, animal gut, silk, horse hair for violin bows. Similarly, traditional percussion instruments were made out of jack wood, rosewood, bone, cowhide leather. The thavil consists of a cylindrical shell hollowed out of a solid block of jackfruit wood. Layers of animal skin (water buffalo on the right, goat on the left) are stretched across the two sides of the shell using hemp hoops attached to the shell. The stick used on the tavil is hard and is made from the purasai tree wood.

There is lot of scope to understand the science behind these materials, treatment for sound generation. Other than material, there is a scope to understand the shape and geometry on the configuration design on the sound generation. In this proposal various traditional organic materials will be taken for the characterisation, various sound creating characteristics at various condition (as received, after specific treatment, and under stretched condition and under various interaction) will be evaluated. Similarly, all these instrument shape, geometry size, and form will be analysis and correlated with sound generation characteristics.



Thavil and Nadeswaram



Various traditional instruments

Archaeometric Analysis of the Ceramic Traditions of Assam

The Ceramic tradition of Assam, an intangible cultural heritage is more than two thousand years old. The earliest handmade pottery in Assam is known from the Neolithic site of Daojali Hading in Dima Hasao district and is dated to 2.7 ± 0.3 ka (LDI728). Intangible cultural heritage is a living form of heritage which is continuously recreated and which evolves as we adapt our practices and traditions in response to our environment. It provides a sense of identity and belonging in relation to our own cultures (UNESCO-2010).

The primary objective of this project is to reconstruct the three thousand year old history of the ceramic tradition of Assam. This will be done by examining the associations of ceramic objects with the stratigraphic features in which they are found, by examining the residues of original contents or surface treatments, by examining the physical properties of ceramic fabrics to assess their suitability for variations functions, such as cooking, building, etc by examining wear marks on objects.

The project aims to modernize the craft by transferring new technologies for bringing changes within the craft for material benefit. This will be done by archaeometric analysis of the terracotta objects to understand the objects ability to contain liquids, to bear loads, to survive sudden heating and cooling, and to withstand impact. These physical, mechanical, and thermal ceramic properties provide information not only on use, but also on the manufacture of the object and the nature of the raw materials. The study of manufacturing techniques of ceramics is useful because ceramic making is an additive procedure in which the sequential stages are noted in the finished products. If required experiments on modifications in the technique of manufacturing of the product will be undertaken to increase the usability of the product which might increase its market value. With this inputs the ceramic tradition in Assam can be converted it to an organized sector and it will also help in strengthening this traditional craftsmanship. Special attention will be paid for improving the quality of the ceramic products and for increasing the market connectivity. The project aims to propose measures for developing the craft and reinstalling the pride of this dying intangible cultural heritage of Assam.

Swidden Cultivation of Northeast India: An Indigenous Knowledge System

Swidden cultivation is fundamental to everyday life of many communities of North East India. The Swidden cultivators call it a land-use practice that reflects (i) indigenous knowledge accumulated through centuries of trial and error, (ii) an intricate balance between product harvest and ecological resilience, and (iii) an impressive degree of agro diversity. Research have also highlighted the custodial role often played by Swidden cultivator communities in preserving forest ecosystems and natural species and to the tight linkages between biological and cultural diversity. The central purpose of this research is to document indigenous strategies of Swidden cultivation in Northeast India.

Objectives:

- 1) To document and evaluate indigenous strategies of Swidden cultivation through a process of research and development.
- 2) Identification of promising indigenous practices
- 3) Characterisation of the practices
- 4) Validation of the utility of the practice for other communities
- 5) Extrapolation to other locations
- 6) Verification with key farmers and wide-scale extension.

M.S. Swaminathan, father of the green revolution in India, had called the food sector a repository of cultural knowledge. This repository according to him, has provided us with the mechanisms to cope with the various economic, social, and political challenges. Indigenous knowledge is the prime content of this repository. Indigenous knowledge is supposed to be holding the key to solving the problems especially of communities living in remote regions of the world and possessing simple technologies.

Traditional Home Construction Materials- A Detailed Scientific Quantification

Before the invention of cement and concrete, natural materials, including clay, straw, hemp, and bamboo were used for the construction of traditional Indian homes. At present steel and cement are being used for home construction. The carbon footprint (CO₂ emission) of these cement industries is very high in addition to the many disadvantages associated with reinforced concrete compared to mud

In the earlier years, mud houses were widely constructed and people lived in these mud homes were very healthy. The clay dig out from the land for foundation was used for the home construction. In addition, various materials including limestone, cow dung, cow milk, jaggery, sugarcane, were added and left it without disturbance for many days under sunlight to assist fermentation. All these organic material help enhance strength as well as breathable characteristics for maintaining comfortable temperature and humidity inside during summer as well as winter. Though the modern construction materials, cement and steel are also being extracted from the earth, these materials are subjected to excessive pressure and temperature during manufacturing. In this proposal, standard specimen will be developed with appropriate traditional construction materials and suggested traditional methods. Various types of clay will be considered and similarly various organic materials for the fermentation will be explored based on the availability at various geographical regions. These developed materials will be evaluated for all the required building material characterization including rigidity, compression and shear strength ability to absorb sound, resistance against moisture, insects, water, drag, ability to maintain comfortable temperature and humidity. Developed material will also be evaluated for its earthquake resistance. Developed material will be used for construction of one home with actual size and laboratory condition results of the specimen will be correlated with actual conditions.

In this work, traditional floor tiles (Athangudi) will be developed through handmade process and surface temperature of tile under various climate conditions will be measured and compared with machine made modern ceramic tiles. Cold surface temperature of the tile can significantly affect blood circulation in foot, which can cause floor foot nail. Clay roof tiles (Teracotta) having different shape and geometry will also be developed and its heat resistance, weather durability and insulation characteristics will be measured and compared with brick roof.

HERBAL PLANTS AS SOURCE OF PHYTOMEDICINE OR DIET

The North East India is characterized by dense forests and inaccessible terrains with rich unexplored ecosystems. In spite of the advancement in modern healthcare facilities, traditional medical practice still continues to be an integral part of the culture in North East India. More than 200 tribes of different ethnic groups, this region is endowed with a variety of medicinal plants and rich traditional knowledge of herbal healing. Some of these herbal medications are consumed as food, while others are taken in the form of decoction, infusion, powder or paste depending upon the ailment. However, a lot of medicinal plants found here still remain unexplored and not properly documented. Ethnomedicinal plants are extensively being investigated to curb the development and spread of numerous diseases. It also serves as a vast resource to support the necessity for more effective novel drugs. Additionally, the phytochemicals identified from these plants also serve as a base for the synthesis of pharmacologically active synthetic analogs for treating various ailments. One such family of medicinal plant widely used in north east India and of great economic value is Zingiberaceae. *Alpinia nigra* which is a favorite vegetable diet in Assam are being cultivated due their high medicinal value. *Kaempferia rotunda* and *Curcuma angustifolia* are well known for its use in ethnomedicine as demulcent, anthelmintic, antipyretic and blood coagulant. It was found that the boiled water extract of rhizome is used for the treatment of diabetes. Zerumbone isolated from *Hedychium coronarium* showed potent promising cytoprotective effect potential and antiulcer activity. Potent antibacterial and antifungal phytochemicals are identified from the extract of *Zingiber zerumbet*. *Hedychium spicatum* also forms an integral part of the local cuisines in northeast India. The rhizome decoction and root powder of *H. spicatum* are traditionally used in treating foul breath, nausea, bronchitis, fever, vomiting and indigestion. It has also been reported to exhibit antibacterial against methicillin and vancomycin-resistant *Staphylococcus aureus* and fungal cultures. Hence, the formulation of these plants may serve as a safe and effective oral hygiene aid to effectively reduce the formation of dental plaque and its associated dental problems. Thus, medicinal plants are vital for pharmacological research and drug development. Project needs to be initiated on the ethnomedicinal investigation and scientific validation of the medicinal plants of north east India.

Proposal for an anthology of abhangas from the Varkari bhakti tradition of Maharashtra in English translation

The Varkari tradition of Maharashtra retains an enduring continuity. From at least the middle of the 13th century down to contemporary times, this bhakti tradition has existed in an unbroken continuum. It is a continuity of not only customs and rituals including a bi-annual pilgrimage, the *vari*, that crisscrosses the length and breadth of the entire Marathi-speaking region, but also a body of literature with which the Marathi language, history and identity are deeply implicit. The pilgrimage is to the shrine of Vitthal at Pandharpur in southern Maharashtra. Etymologically Varkari means one who performs the *vari*. The literature of the Varkari bhakti tradition comprises of the hagiographic lives of the saint-poets associated with this tradition as well as the rich fund of poetry written by them in the form of the *abhangas*. Singing the abhangas composed by the poet-saints, pilgrims walk on foot in groups called the *dindis* on the pilgrimage to Pandharpur, therefore mapping the linguistic on to the territorial. The abhangas are routinely sung and performed on the pilgrimage as well as in kirtans and bhajans. Performance therefore is an intrinsic aspect of this poetry, which has been preserved through the centuries through oral and written forms.

However, there is a lack of a substantial body of Varkari poetry in English translation, when compared with translations of bhakti poetry from other Indian language-cultures such as Tamil, Kannada, Hindi, etc. Apart from Dilip Chitre's *Says Tuka* published by Penguin in 1991, and my own translations of Chokhamela, *On the Threshold: Songs of Chokhamela* (New Delhi: 2002 and AltaMira Press: 2005 in a revised edition) there exists no composite volume of translations of, if not all, at least the major poets. Papers and books on the historical/religious aspect do attempt some translations, but there is still no anthology of Varkari poetry in English translation.

The proposal is to translate some of the most major and significant Varkari poets in a volume of around 250-275 odd pages. It is hoped that this anthology will fulfil a long-felt gap in literary and historical scholarship.

Ancient Temple Architecture of Assam

Architecture is created by the human body, seeking its own sense of movement and of its extensions into space (Schmarsow 1893). By studying concepts of spatiality and their structural model, it is possible to access the pattern of rationality which created them (Criado 1999). Our proposal seek to study built space from a structural, functional and symbolic point of view, attending to their multidimensionally, deconstructing it, with the objective to integrate it in a general pattern of understanding.

In Assam there are no standing ancient or medieval structures. All the structures are in ruins. A few of them which are standing has been renovated in the pre-modern or modern period. Reasons cited for this situation are earthquakes, high rainfall, destructive vegetation, conquest etc. etc. On the basis of epigraphical records it is established that temple building activity began in Assam in the 5th Century AD (Umachal Rock Inscription in Kamakhya, Guwahati). Studying the ruins in Kamrup, Sonitpur, Nagaon districts of Assam archaeologist have established that there have been a number of temple building phases starting from the 5th Century. The temple ruins of Daha Parbatiya in Tezpur, Sonitpur district exquisitely carved in the best tradition of Gupta art has been stylistically dated to 7th Century AD. The ruins in Bamuni Hills of a stone temple again in Tezpur, have been dated to 8th-9th Century AD. The ruins of Madan Kamdev Temple near Guwahati, the ruins of Sri Surya Pahar in Goalpara and the ruins at Na-nath, Dabaka in Nagao talk about continuous temple building activity in the region till the 12 century. The temples were mostly built in the North Indian “Nagara” style, of stone with high plinths.

The primary aim of this research proposal is to document this material evidence and establish the practice of the use of canonical ancient literature of India for temple building in ancient Assam.

Engineering and Scientific Study of Heritage Structures

India is blessed with countless historic structures showcasing incredible craftsmanship and architectural beauty. The Ajanta and Ellora caves of Aurangabad, Taj Mahal of Agra, Sun Temple of Konark, the Vijayanagara remains of Hampi, etc. are only a few examples amongst the numerous golden feathers in the crown of ancient Indian engineering and construction raised centuries ago. Ruled by the powerful kings of Pallavas (600-900 AD), Cholas (900-1150AD), Pandyas (1150-1350 AD), Vijayanagara (1350-1565 AD) and Nayakas (1600-1750 AD), Ahoms (1228–1826), Chaulukyas (940 and 1244 CE) India is dotted with many great architectural marvels which are famous not only for their exquisite sculptures but also for the unbelievable proportions. Methods adopted by them for raising such extreme buildings are unknown to the present generation of engineers and therefore hold a lot of fascination. For example, the Brihadeeshwara temple of Tanjavur district in Tamil Nadu is a fine example of Dravidian architecture and represents the Chola empire ideology. The temple was completed in 1010 AD, under the reign of the king Raja Raja Chola I (985 AD-1014AD), as per the Vaastu Shastra and Agamas. The temple Vimana is a hollow, pyramidal structure, 66 m tall and is one of the tallest temple towers on the earth. The placement of the intact granite capstone or cupola weighing 80 tons atop the Vimana of the temple is the marvellous engineering feat. The use of temporary ramps to take up the capstone with the help of elephants is one of the widely believed methodologies. The slope stability of the temporary ramps under the moving loads and rainfall conditions is a challenging aspect. Similarly, the site selection, construction methodology, and foundation details of these heritage structures from the modern perspective is not known and is an interesting study. The objective of the project is to study the engineering and scientific aspects of the heritage structures. Several modern methods such as ground penetrating radar (GPR), electrical resistivity method (ERM) will be used to find out the adopted foundation methods in the ancient times and analysed based on the present knowledge.

Alien Weed of North-East India for Engineering Applications

Ageratum houstonianum (flossflower), *Chromolaena odorata* (Siam Weed), *Eichhornia crassipes* (water hyacinth), Parthenium weed, and about twenty varieties of invasive alien weeds in India are the most dominant invaders of the Assam vegetation since several decades. Similarly, *Mimosa invisa*, *Mikania micrantha* (the “mile-a-minute” vine), and *Ipomoea carnea* (pink morning glory) are threat to the rhino habitats in Assam. These weeds have havocked the farming community and indigenous vegetation through their serious interference in different cropland and forest ecosystems. These driver species are responsible for declining the indigenous species and alteration of native ecosystems. These weed biomass is cellulosic in nature and quickly biodegrades upon disposal in the environment. A sustainable strategy to manage these weed varieties is either to convert to biochar by pyrolysis and co-pyrolysis process with the limited supply of nitrogen or oxygen under intense heat conditions or use them with soil temporary reinforcement and geotechnical field applications. The application of these weeds in making the prefabricated vertical drains (PVDs) for facilitating the better drainage in soft ground under preloading conditions. As the application of PVDs is temporary, the natural PVDs from the weed would be ideally suited for the engineering applications. Further, the natural geonets and geotextiles from the weed would be useful for the slope protection and erosion control works in the hilly regions of the northeast India. The biochar is useful for (i) soil improvement (to restore soil fertility and improve soil physical properties), (ii) waste management, and (iii) bioenergy generation. This project explores the application of the aforementioned weed varieties in different forms for various engineering applications.

A Proposal for a Museum at IIT Guwahati on “Indian Knowledge and Traditions”

Starting from the time of Indus Valley Civilization, India has been rich in knowledge and wisdom. India contributed a lot to mathematics, astronomy and metallurgy until the beginning of Mughal period. Because of the foreign invasions, Indian traditions faded to some extent but could never be wiped. During Mughal and British period, required encouragement was not provided for flourishing the ancient Indian traditions and culture. The traditions could survive to some extent in the places where the aforesaid foreign rulers had less effect. This is evident from the preservation of classical music, Vedic education and temple-architecture in South India in comparison to that in North India. Similarly, Northeast India could preserve the old traditions till the middle of British period.

Northeast India is a land of ancient Indian tribes; some of them originated in neighboring countries like Thailand and Myanmar. Unlike Mughals and British, tribes coming from these neighboring countries did not destroy the Indian culture, rather they enriched it. Also, these civilizations merged in the ocean of Indian civilization. Talking about Northeast India in particular, there are still some Indian practices that are surviving but need the support of society at large and government. Some of these are as follows:

1. Traditional Medicines: Several tribes are practicing herbal medicines in this region. There are a large variety of plants and herbs, which are not available in other parts of the country. Enough documentation is available for traditional healing practices of the tribes. There is a need to showcase and preserve those practices.

2. Tantric practices of Assam: Assam has been known as a land of tantra. A village in Morigaon district known as Mayong is believed to be ancient capital of king Ghatotkacha, the son of Bhima. The village used to practice tantras. There is a famous museum called “Mayong Central Museum and Emporium”, which was opened in 2002; it houses some texts on Ayurveda and tantra. In public domain, little is known about the mystic tradition of tantra. There is a lot of scope for scientists and psychologists to research on it.

3. Vedic schools: There were a number of Gurukuls in Assam to impart Vedic education. Some of them are still continuing, particularly in lower Assam.

These are just a few examples. There is a strong need to preserve the ancient texts and sculptures related to these Indian traditions as well as to disseminate this knowledge to masses. The sensitization of public about ancient knowledge will help in further research in some of the good practices.

Indian Institute of Technology Guwahati is a premier educational institute in Guwahati. The campus is having a land of about 285 hectares and is a scenic place. It is about 22 km from the airport and 18 km from railway station. A number of academicians and students visit it for short as well as long durations. If a Museum on Indian Knowledge and Traditions is set up at IIT Campus, it will encourage academic tourism. IIT Guwahati being a technical institute, in a position to apply scientific technology to museum.

Table 1: Research Areas and Associated Faculty (following multi-disciplinary approach):

S. No.	Research Areas	Associated Faculty members
1	Archaeometric Analysis of the Ceramic Traditions of Assam	Sukanya Sharma, Indu Siva Ranjani, AK Das, Alike Khare
2	Engineering and scientific study of heritage structures	TV Bharat, Sukanya Sharma, Senthilvelan S, Rohini Mokashi, Mriganka M, Srinivasan K, Prabhu V, Debapriya Basu, Alike Khare
3	Ancient Temple Architecture of Assam	Sukanya Sharma, Biranchi Panda, Mriganka M, Arbind Kr. Singh
4	Indian Classical Musical Instruments- A Scientific Understanding	Senthilvelan S, Ramagopal VSU, Latha Rangan
5	Traditional Home Construction Materials- A Detailed Scientific Quantification	Senthilvelan S, Indu Siva Ranjani, KD Singh, Arbind Kr. Singh, AK Das
6	Analysis of data sets related to planetary motion as given in classical texts with the intention of understanding the underlying mathematical model	Srinivasan K, Pai V (IISER Pune), TV Bharat, Senthilvelan S
7	Analytical Study of the Ashtadhyayi of Panini from the point of view structure and arrangement of sutras using modern mathematical tools	Srinivasan K, Pai V (IISER Pune), Ramagopal VSU, Prabhu V
8	A Proposal for a Museum at IIT Guwahati on "Indian Knowledge and Traditions"	Uday Shanker D, Vimal Katiyar, Sukanya Sharma
9	Herbal plants as a source of phytomedicine or diet	Latha Rangan, Ramagopal VSU, Uday Shanker D, Senthilvelan S
10	Discovering the age of Megalithic era	Arun Goyal, Sukanya Sharma
11	An anthology of abhangas from the Varkari bhakti tradition of Maharashtra in English translation	Rohini Mokashi, Debapriya Basu, Mriganka M
12	Alien weed of North-East India for engineering applications	Pankaj Kalita, TV Bharat, Latha Rangan, Indu Siva Ranjani G, KD Singh, AK Das
13	Digital archives of cultural texts of Assam	Debapriya Basu, Mriganka M, Shakuntala M, Siddhartha S, Pahi Saikia

Annexure-10

(Not uploaded due to the Volume)