भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3283
Dated: 27th March, 2024

M E M O

The undersigned is directed to convey that on recommendation of the Finance Committee at its 133rd meeting held on 12.02.2024, the Board of Governors at its 211th meeting held on 12.02.2024 approved the implementation of revised Post-Retirement Medical Scheme (PRMS) from 1st April 2024. Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To
1. Joint Registrar (F&A)

Copy to :
1. All Heads of the Departments/Centres/Schools/Sections/Units
2. Chairman, ERP
3. All Joint Registrars/Deputy Registrars/Assistant Registrars
4. Secretary to Director
5. Secretary, Deputy Director's Office
6. Secretary, Registrar's Office
7. Web Notice Board
BoG: 211-4, FC:133-7

Post-Retirement Medical Scheme-Plan Features

Beneficiaries of Scheme	a. Retired Employees and their spouses
Date of Commencement of Scheme :	01st September 2011
Benefits Covered	a. Inpatient Medical Costs
	b. Outpatient Medical Costs
	c. Medical Facility
	d. Medical TA
Limits on the Benefits covered	There is no cap currently present on the benefits covered.

Employee contribution Existing vis-à-vis Revised

Pay Level	Existing		Proposed	
	Lifetime Lumpsum Contribution (₹)	Monthly Contribution (₹)	Lifetime Lumpsum Contribution (₹)	Monthly Contribution (₹)
Level 1-5	30000	250	162000	900
Level 6	54000	450	162000	900
Level 7-11	78000	650	216000	1200
Level 12 & above	120000	1000	288000	1600

Methodology & Assumptions Adopted on Revised Scheme

▶ Revised rate of subscription will be applicable to employees from 1st April, 2024.

▶ Matching contribution from Institute, equivalent to employees as well as pensioner's contribution be deposited in PRMS on 1st April 2024, based on actual data of FY 2023-24.

▶ The period of contribution of the revised scheme has been enhanced from 10 years to 15 years.

▶ Interest income on investment has been projected @ 6% p.a.

▶ It has been assumed that contribution from members will increase @ 2.5% p.a. due to increase in staff strength and pensioner's contribution will increase at 2% p.a.

▶ Assumed that medical expenditure will escalate at 2.5% p.a.

▶ Last 9 months' average expenditure is considered for computing estimated expenditure of current year (FY 23-24).

▶ It is assumed that employee who are retiring on or before 31-03-2024 will pay their outstanding contribution, if any, at old rates.

Projected Fund Flow Statement of PRMS

Particulars	2023-2024 Estimated	Projected Year 1	Projected Year 2	Projected Year 3	Projected Year 4	Projected Year 5	Projected Year 6	Projected Year 7	Projected Year 8	Projected Year 9	Projected Year 10
A) Opening balance of the Fund	22,95,57,054	21,97,14,406	22,16,49,221	22,32,75,159	22,45,60,188	22,54,69,959	22,59,67,658	22,60,13,838	22,55,66,264	22,45,79,722	22,30,05,832
B) Additions to the Funds											
i) Income from Investments/Savings Bank Interest	13773423	13182864	13298953	13396510	13473611	13528198	13558059	13560830	13533976	13474783	13380350
ii) Contribution by Pensioners	14094668	14376565	14664097	14957379	15256527	15561658	15872891	16190349	16514156	16844439	17181328
iii) Institute Contribution for Pensioners	14094668	14376565	14664097	14957379	15256527	15561658	15872891	16190349	16514156	16844439	17181328
iv) Contribution by Members	9351667	16135140	16538519	16951982	17375782	17810177	18255431	18711817	19179612	19659102	20150580
v) Institute Contribution for Members	9351667	16135140	16538519	16951982	17375782	17810177	18255431	18711817	19179612	19659102	20150580
Sub Total (B)	60666093	74206275	75704185	77215232	78738229	80271868	81814703	83365162	84921512	86481865	88044166
Total (A+B)	29,02,23,147	29,39,20,681	29,73,53,406	30,04,90,391	30,32,98,417	30,57,41,827	30,77,82,361	30,93,79,000	31,04,87,776	31,10,61,587	31,10,49,998
C) Revenue Expenditure											
a) Reimbursement of Medical Exp / Medical exp to Pensioners	70508741	72271460	74078247	75930203	77828458	79774169	81768523	83812736	85908054	88055755	90257149
b) Other Administrative Exp incl. Bank Charges											
Sub Total (C)	7,05,08,741	7,22,71,460	7,40,78,247	7,59,30,203	7,78,28,458	7,97,74,169	8,17,68,523	8,38,12,736	8,59,08,054	8,80,55,755	9,02,57,149
D) Surplus/Deficit (B-C)	-98,42,648	19,34,815	16,25,938	12,85,029	9,09,771	4,97,699	46,180	-4,47,574	-9,86,542	-15,73,890	-22,12,983
Balance at the year end (A+B-C)	21,97,14,406	22,16,49,221	22,32,75,159	22,45,60,188	22,54,69,959	22,59,67,658	22,60,13,838	22,55,66,264	22,45,79,722	22,30,05,832	22,07,92,849

52

Summary

➤ It is evident from the table that as per revised projections, the expenses remain below the income till the 6th year. If the scheme was brought into force from 01-04-2024 it may have to be reviewed at the beginning of 7th year when the cash flow turns negative.

➤ To arrest the depleting corpus of the scheme, matching contribution will be made by the Institute to the PRMS equivalent to the employees abd pensioners contribution. It is proposed that the matching contribution by the Institute to PRMS will be drawn from SRIC and CEP in the ratio of 3:1.

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3284
Dated: 27th March, 2024

M E M O

The undersigned is directed to convey that on recommendation of the Finance Committee at its 133rd meeting held on 12.02.2024, the Board of Governors at its 211th meeting held on 12.02.2024 approved the revised guidelines for financial assistance to students for presenting papers in National and International conferences/seminars/workshops. Details are given in the **Annexure**.

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To
1. Dean, Faculty of Engineering & Architecture (FoE&A)
2. Dean, Faculty of Bio-Technology & Bio-Sciences (BTBS)
3. Dean, Faculty of Sciences (FoS)
4. Joint Registrar (Academic)
5. Deputy Registrar (Academic)

Copy to :
1. All Deans/Associate Deans/Heads of the Departments/Centres/Schools
2. Joint Registrar (F&A)
3. Secretary to Director
4. Secretary, Deputy Director's Office
5. Secretary, Registrar's Office
6. Web Notice Board
BoG: 211-4, FC:133-5

<div align="right">**Annex-I**</div>

Sub: PARTIAL FINANCIAL ASSISTANCE TO STUDENTS FOR PRESENTING PAPERS IN NATIONAL AND INTERNATIONAL CONFERENCES/SEMINARS/WORKSHOPS

Guidelines for financial assistance:

1. The financial assistance will be limited to the following:

Particulars	Conferences held in India	Conferences held abroad
Registration Fee	Full registration fee	Full registration fee
Travel Allowance	Up to Rs. 15,000.00	Up to Rs. 1.5 lacs

2. Students are encouraged to seek the remaining amount from other sources.

3. Full-time students at all levels (under-graduate, post-graduate and research students, and Post-Doctoral Fellows) will be eligible for the grant of financial assistance (PFA). Students other than research scholars can avail PFA or BAIC (please see Annex-II) only once during their tenure, while, research scholars can avail funding support to present paper in conferences abroad twice in their tenure, which could be either PFA-BAIC, or, BAIC-PFA, or, PFA-PFA.

4. Each applicant must be an author of the accepted paper.

5. The paper must be based on work done at the Institute.

6. There must be a written communication from the Program Committee of the Conference/Seminar/Workshop regarding the acceptance of the paper.

7. The papers must be presented either in oral or poster mode.

8. Each co-author (if any) of the accepted paper must give his (or her) consent in writing that he (or she) does not have any objection to the author (applicant) making the presentation. Further, every co-author employed in the institute must give his (or her) commitment in writing that he (or she) will not seek financial assistance from the Institute for presenting that paper himself (or herself).

9. The applicant must have

   a. Successfully completed the coursework for the first six semesters without carrying any backlog in case the applicant is an under-graduate student admitted through JEE.

   b. Successfully completed the coursework for the first two semesters without carrying any backlog in case the applicant is a student of Joint MSc-PhD or Joint MTech-PhD or any other two-year/three year Masters program.

   c. Successfully completed the coursework for the first four semesters without carrying any backlog in case the applicant is a student of a program of three-year duration (such as MMST and LLB).

   d. Spent one year and must have successfully completed the recommended coursework in case the applicant is an MS student.

   e. Done PhD registration in case the applicant is a PhD student.

   f. Spent one year in the Institute in case the applicant is a Post-Doctoral Fellow.

   g. If an applicant is a UG or PG or MS student, then he (or she) must have a minimum CGPA of 8.

10. First time applicants at all levels for attending conferences abroad, both under partial Financial assistance (PFA) as well as best academic international conferences (BAIC) categories, may not be required to have at least one SCI indexed journal publication. Research scholars can, however, avail funding opportunity to attend one more conference abroad. However, full funding under BAIC will be available to a research scholar only once during his/her full tenure. To avail funding for attending conference abroad for the second time (under PFA or BAIC as the case may be), the scholar should have at least one paper in a SCI indexed journal or equivalent (at least in an "Accepted" status).

11. The applicant should present the paper in the Department/Centre/School before/after the application is recommended for the financial assistance.

12. Students who have TA duties, must arrange a suitable replacement before proceeding for the conference.

13. There should not be any disciplinary/penalty proceedings against the applicant.

14. The application must be made as follows:

    (a) Application must be made online through students' ERP login (Academic/Students Application for Financial Assistance for Conferences) and hardcopy of the downloaded application must be recommended by the Head of the Department /Centre/School_

    (b) The application must have the following enclosures.
        i. Announcement of the Conference/Seminar/Workshop
        ii. manuscript of the paper
        iii. Paper Acceptance letter
        iv. Copy of the published journal paper (if applicable)
        v. No objection from the co-authors Endorsement regarding seminar presentation by the HOD/HOC/HOS

    (c) The hardcopy of the application should be submitted to the Deputy Registrar (Academic).

15. If the applicant is a MS or Research Student, the conference dates should be before the date of submission his/her thesis.

16. The Monitoring Committee will consider the applications, allocate the financial assistantship to the eligible students, and recommend the eligible cases to the Director. After the Directors approval, the Academic Section will bring out the appropriate office order.

GUIDELINES FOR FULL FINANCIAL ASSISTANCE TO STUDENTS FOR PRESENTING PAPERS IN LISTED BEST ACADEMIC INTERNAITONAL CONFERENCES (BAIC) ABROAD

a) FINANCIAL ASSISTANCE SHALL BE FOR THE FOLLOWING COMPONENTS:

1. Registration fee (as per actual)
2. Admissible Travelling Allowance
3. Admissible per diem as per Institute rules
4. Visa Fee, if applicable
5. Medical Insurance, if applicable
6. Local travel in India (restricted to 200 km from IIT Kharagpur campus on each way at road mileage rate as per rules) and abroad.

b) GENERAL GUIDELINES

1. The financial assistance will be provided to at most one author per paper.
2. Full-time student at all levels (under-graduate, post-graduate, research scholars, and Post-Doctoral Fellows) will be eligible for the grant of financial assistance. However, in case of a research scholar, he/she can apply for funding from institute to attend conferences abroad for a maximum of two times in his/her tenure, out of which at most one could be under BAIC (thus, a research scholar can avail either one BAIC and one PFA, or, both PFA as the case may be).
3. Each applicant must be an author of the accepted paper.
4. The paper must be out of the research carried out at this Institute.
5. There must be a written communication from the Program Committee of the Conference regarding the acceptance of the paper.
6. Each co-author other than the applicant (if any) of the accepted paper must give his (or her) consent in writing that he (or she) will not seek financial assistance from the Institute for presenting that paper himself (or herself) and that he (or she) does not have any objection to the author (applicant) making the presentation.

7. The Students/PDFs are required to present a seminar in respective Departments/Centres/Schools before or immediately after their return from Conferences.

8. There should not be any disciplinary/penalty proceedings against the applicants.

9. For collaborative research work, the affiliation of the applicants should be IIT Kharagpur and the same should be mentioned in the paper.

10. Other things being equal, priority would be given to the first timers.

c) ELIGIBILITY CRITERIA

1. (a) An under-graduate student should have successfully completed the coursework for the first six semesters without carrying any backlog.

   (b) In case the applicant is a student of Joint MSc-PhD or Joint M Tech/MCP-PhD or any other two year Masters programme, he/she should have successfully completed the coursework for the first two semesters without carrying any backlog.

   (c) In case the applicant is a student of a programme of the three-year durations such as MMST and LLB, he/she should have successfully completed the coursework for the first four semesters without carrying any backlog.

   d) In case of applicant being a MS student, he/she should have spent one year and must have successfully completed the recommended coursework.

   e) In case the applicant is a PhD student, he/she should have registered for Ph.D.

   f) In case the applicant is a Post-Doctoral Fellow, he/she should have spent one year in the institute.

   g) If an applicant is a UG or PG or MS student, then he/she must have obtained a minimum CGPA of 8.50 at the time of application.

2. For students other than research scholars (who get only one opportunity to attend conference abroad during their tenure), no requirement of SCI journal publication

will be essential. Same applies to research scholars when they avail institute funding (PFA/BAIC) for the first time. However, to avail institute funding (PFA/BAIC) for the second time, the scholar is required to have at least one publication in a SCI indexed journal or equivalent (at least in an ``Accepted status'').

3. If the applicant is a Post-Doctoral Fellow, he/she must have one International publication in reputed Journals during the Post-Doctoral Fellowship based on the work carried out in the Institute.

4 If the applicant is a MS or Research Student, the conference dates should be before the date of submission his/her thesis.

5. The papers must be presented either in oral or poster mode.

6. For research scholars availing funding support twice in their tenure, there should be an in-principle gap of one year between the two conferences (which may be waived by institute depending on the merit of the case).

The eligibility criteria mentioned above may be relaxed by the Director in respect of outstanding applicants/exceptional cases.

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

M E M O

The undersigned is directed to convey that on recommendation of the Finance Committee at its 133rd meeting held on 12.02.2024, the Board of Governors at its 211th meeting held on 12.02.2024 approved the ratification of the Audited Annual Accounts of the Institute for the Year 2022-23 along with Separate Audit Report and Management Reply. Details are given in the **Annexure**.

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To
1. Joint Registrar (F&A)
2. Joint Registrar (Audit)

Copy to :
1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board
BoG: 211-4, FC:133-3

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3287
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that on recommendation of the Finance Committee at its 133rd meeting held on 12.02.2024, the Board of Governors at its 211th meeting held on 12.02.2024 approved the proposal to provide one additional year PhD HTRA for female PhD research scholars. Details are given in the **Annexure**.

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To
1. Dean, Faculty of Engineering & Architecture (FoE&A)
2. Dean, Faculty of Bio-Technology & Bio-Sciences (BTBS)
3. Dean, Faculty of Sciences (FoS)
4. Joint Registrar (Academic)
5. Deputy Registrar (Academic)

Copy to :
1. Joint Registrar (F&A)
2. Secretary to Director
3. Secretary, Deputy Director's Office
4. Secretary, Registrar's Office
5. Web Notice Board
BoG: 211-4, FC:133-4

F. No. 5-17/2023-TS.I
Government of India
Ministry of Education
Department of Higher Education
Technical Section-I

Shastri Bhawan, New Delhi
Dated: 1st December, 2023

To

Directors, All IITs

Subject: One additional year PhD HTRA for female PhD research scholars.

Sir,

I am directed to refer to Minutes of the 55th Meeting of the IIT Council, wherein under Item no. 55.28, it was agreed to in-principle to provide PhD HTRA for one additional year (6 years in total) for female PhD research scholars.

2.   In pursuance to the same, a detailed proposal was submitted to this Ministry by IIT Madras.

3.   Accordingly, with a view to address this gender gap by enhancing the scholarship duration for women researchers by one year, and providing additional support and opportunities for women to excel in their academic pursuits, the Government has approved the proposal to provide one additional year (6 years in total) PhD HTRA for female PhD research scholars of IITs on justifiable reasons, in exceptional circumstances, on case-to-case basis, subject to following provisions-

   a. Fellowship for the extended period of 1 year may be afforded by the respective institutes from their IRG, after due diligence, with the approval of their Finance Committee and BoG.

   b. There shall be a ceiling of 15% of female scholars to be considered for extension.

Yours faithfully,

(Nilesh Chandra Srivastava)
Under Secretary to the Government of India
Ph : 011-23381698

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3288
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that on recommendation of the Finance Committee at its 133rd meeting held on 12.02.2024, the Board of Governors at its 211th meeting held on 12.02.2024 noted the utilization of funds by the Institute under the World Class Institution Scheme (3254) and suggested that the scheme be extended by at least three years to offset the time lost due to COVID and this matter be taken up with the Ministry of Education for consideration. Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To
1. Joint Registrar (F&A)
2. Joint Registrar (Audit)

Copy to :
1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board
BoG: 211-4, FC:133-6

F. No. 32-6/2020-T.S. I
Government of India
Ministry of Education
Department of Higher Education ~
Technical Section I

Shastri Bhawan, New Delhi
Dated the 23rd September, 2021

To

The Director,
IITs
Delhi, Bombay, Madras and Kharagpur

Subject: Utilization of funds by the Institutes under the World Class Institution scheme- reg.

Sir,

    I am directed to forward herewith a copy of OM dated 15-9-2021 on the above mentioned subject, received from U3A Division of this Ministry and to request that necessary action for utilization of funds under World Class Institution Scheme (IoE) may be taken. Further, it is requested to make the progress under this scheme is reported as an agenda item in their future FC/ BoG meetings.

Encl: As above

Digitally Signed by P J
Soundararajan
Date: 23-09-2021 16:09:56
Reason: Approved

Yours faithfully,

(P. J. Soundararajan)
Under Secretary to the Govt. of India
Ph : 011-23381698

Copy to: Dy. Director (Science), MoE

1. DR (A/cs) Pl.
2. DR (E-III) Pl.

27/09/21: Registrar

40111222

49

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3289
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that on recommendation of the Finance Committee at its 133rd meeting held on 12.02.2024, the Board of Governors at its 211th meeting held on 12.02.2024 approved the ratification of Seed Money provided from the Endowment fund towards operationalization of Dr. Syama Prasad Mookerjee Institute of Medical Sciences and Research Forum beyond FY 2023-24 till 2026-27. Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. Joint Registrar (F&A)

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board
BoG: 211-4, FC:133-8

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(196)/2020/3083
Dated: February 4, 2020

M E M O

The undersigned is directed to convey that on the recommendation of the Finance Committee at its 122st meeting held on 23.12.2019, the Board of Governors at its 196th meeting held on 23.12.2019 approved the ratification of the proposal on the revised Seed money of Rs. 75.33 Crores, as recommended by the committee constituted by the BOG for the purpose, to be released from endowment/alumni fund time to time for running and maintenance of 400 bed Multi-Specialty Hospital up to 2023-24 and smooth execution of the operation of the Multi-specialty Hospital. Details are given in the **Annex**.

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. Deputy Registrar (F&A)
2. Deputy Registrar (Accounts)

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board
BoG: 196-4 FC:122-7

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

M E M O

The undersigned is directed to convey that on recommendation of the Finance Committee at its 133rd meeting held on 12.02.2024, the Board of Governors at its 211th meeting held on 12.02.2024 approved the ratification of Temporary Loan taken from the Internal Revenue Generation (IRG) towards operationalization of IIT Kharagpur Research Park Foundation. Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

 1. Joint Registrar (F&A)

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board
BoG: 211-4, FC:133-9

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3291
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that on recommendation of the Finance Committee at its 133rd meeting held on 12.02.2024, the Board of Governors at its 211th meeting held on 12.02.2024 approved the revision of remuneration to the foreign examiners for Ph.D. thesis evaluation from 1st December 2022. Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To
1. Dean, Faculty of Engineering & Architecture (FoE&A)
2. Dean, Faculty of Bio-Technology & Bio-Sciences (BTBS)
3. Dean, Faculty of Sciences (FoS)
4. Joint Registrar (Academic)
5. Deputy Registrar (Academic)
6. Joint Registrar (F&A)

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board
BoG: 211-4, FC:133-10

24th January 2024

Sub: Revision regarding foreign examiners remuneration for PhD

It may kindly be noted that Director vide note dated 30th November 2022 has approved the revision of foreign examiners remuneration for PhD thesis evaluation from 550 USD to 785 USD (which includes banking and other deductions, if any) w.e.f 1st December 2022. The same was reported in the 345th meeting of the Senate held on 2nd February 2023. A copy of the approval and also a copy of the Order No. IIT/Acad/345.CII.R.1/2023 dated 9th March 2023 relating to the Senate are enclosed at Annex-I. The above has already been implemented.

As per advice of the Competent Authority, the approval of the revision of foreign examiner's remuneration for PhD thesis evaluation from 550 USD to 785 USD w.e.f 1st December 2022 may be placed in the forthcoming meeting of the Finance Committee, if agreed to.
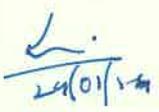
Joint Registrar (Academic)
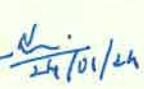
Registrar   If approved, the above may be taken up as a reporting item in the forthcoming FC/BOG.

Deputy Director

Director   28/01/2024
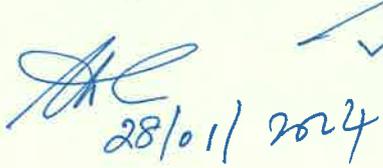
JR (Eꟷ)

सं / No. IIT/Acad./ 345.C.II.R.1/2023   दिनांक / Date: March 09, 2023

Extract (Item No. ITEM: SENATE – 345.C.II.R.1) from the minutes of the 345th meeting of the Senate held on February 02, 2023 are reproduced below for information and necessary action please.

उप कुलसचिव (शैक्षणिक) / **Deputy Registrar (Academic)**

To
1. Deputy Registrar (Accounts)
2. Chairman, ERP

Copy to:
(1) Dean, (FoE&A / FoS / FoBTBS)
(2) Associate Dean, (FoE&A / FoS / FoBTBS)
(3) Deputy Registrar (Academic, UG Section)
(4) Assistant Registrar (PGS&R)
(5) Secretary to Director
(6) Secretary, Deputy Director's Office
(7) Secretary, Registrar's Office

COPY

ITEM: SENATE- 345.C.II.R.1

To **report** that the Director & Chairman, Senate has approved the revision of Foreign Examiners remuneration for Ph.D Thesis evaluation. The remuneration of Foreign Expert is increased from 550 USD to 785 USD, which includes banking and other deductions, if any. The date of this revision is effective from December 01, 2022.

Appendix -345.C.II.R.1 of the Agenda

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
शैक्षणिक (स्ना. अध्य. एवं शोध) अनुभाग

Indian Institute of Technology Kharagpur
Academic (PGS&R) Section

No. IIT/ACD(PGS&R)/Ph.D./Remuneration/2022-2023
Date: October 26, 2022

SUB: Revision regarding foreign examiners remuneration for Ph.D. thesis evaluation.

It may kindly be noted that the Institute is paying honorarium to external experts (NRI & foreign expert) @ 550 USD for thesis evaluation of Ph.D. Scholars.

A meeting regarding revision of foreign examiners remuneration for Ph.D. thesis evolution was held on October 26, 2022 in the Dean's conference room and the following members were present:-

1. Dean (FoBTBS), 2. Dean (Fos), 3. Dean(FoEA), 4. Dean(IR), 5. Associate Dean(FoEA), 6. Associate Dean(FoS), 7. DR (A/Cs), 8. DR(Acad.), 9. AR(A/Cs) and 10. AR(PGS&R).

The matter was discussed at length, after due consideration of all aspects, the committee has recommended that the remuneration of foreign examiners may be increased by 42.7%.

Accordingly, the remuneration of foreign expert will be increased from 550 USD to 785 USD, which includes banking and other deductions if any.

Put up for your kind consideration and approval of the above revision please.

If approved, the date of the above revision may also be suggested.

संकायाध्यक्ष(अभियांत्रिकी और वास्तुकला विभाग)Dean(FoEA)

संकायाध्यक्ष (विज्ञान विभाग)/ Dean (FoS)   30/11/2~

The above proposal, if approved, may be made effective from 01.04.2022.

Siamant Chakrabarti.
30.11.2022

संकायाध्यक्ष(जैव प्रौद्योगिकी और जैव विज्ञान विभाग)/Dean(FoBTBS)

To be effective from Dec 1, 2022.

निदेशक/Director

Urgent
Sh. Srijit - for m. pl.

30/11/2022

Sh. S. Santra -
please place in
Reporting Item

5647

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

M E M O

The undersigned is directed to convey that on recommendation of the Finance Committee at its 133rd meeting held on 12.02.2024, the Board of Governors at its 211th meeting held on 12.02.2024 approved the "Rules and Regulation for Innovation and Start-up Policy of IIT Kharagpur". Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. All Heads of the Departments/Centres/Schools
2. Registrar
3. Managing Director (STEP)
4. Joint Registrar (Academic)
5. Deputy Registrar (Academic)

Copy to :

1. All Deans/Associate Deans
2. All Joint Registrars/Deputy Registrars/Assistant Registrars
3. Secretary to Director
4. Secretary, Deputy Director's Office
5. Secretary, Registrar's Office
6. Web Notice Board

BoG: 211-4, FC:133-13

Draft Innovation and startup policy of IIT Kharagpur 2024

PREAMBLE:

The Science and Technology Entrepreneurs' Park (STEP), a Society Registered under Society Registration Act 1961 has already been the backbone for innovation and entrepreneurship in IITKGP. Set up in 1986, the initiative has since been supported by DST New Delhi, DST West Bengal, IDBI, IFCI, and ICICI and nurtured 100+ incubations, some of which have become run-away success making for global case-studies.

India is witnessing a tremendous boost in creation of start-ups and business incubation which is being driven by an extremely diverse and inclusive entrepreneurial landscape. Indian Institute of Technology Kharagpur is the First IIT in the country and also recognized worldwide as a leader in the field of engineering education and research and, strongly encourages its students, staff and faculty to innovate and undertake entrepreneurial activities both within and outside the Institute.

However, the guidelines of STEP for incubating startup are very old and need updating to cope with the present industrial dynamism and Make in India drives. Moreover, it needs to adopt the **National Innovation and startup policy 2019**.

Keeping the above in mind a policy draft for STEP is prepared to revamp a 'Innovation and Startup' culture as new dimension of the teaching learning.

OBJECTIVES:

- To generate awareness regarding the need and importance of entrepreneurship development among the students, regular staff & regular faculty and local community
- To promote design thinking process among the incubates and provide the platform for speedy commercialization of technology
- To facilitate the domain knowledge / skills to develop innovative products / services ·
- To facilitate new technology/ knowledge/ innovation based startups
- To build a vibrant startup ecosystem by establishing a network between academia, financial institutions, industries, and other institutes
- Providing infrastructural, logistic and guidance support for incubation activities
- Coordinating with IP Cell
- Fostering innovation among students, staff and faculty through" innovation melas", "workshops" and any other events as mentioned in the National **Innovation and Startup Policy 2019**
- Facilitating inter-disciplinary activities
- Promoting industry-academia interaction

- Promotion of international exchange programs, internships in innovation and entrepreneurship

GOVERNANCE:

STEP is a registered Society under Society Registration Act 1961 (West Bengal) consisting of General Body and one Managing Director and one Treasurer are nominated time-to –time by the Director . IIT Kharagpur, who is the ex-officio Chairman, STEP. The composition of the Governing Body of STEP is enclosed. STEP will continue to handle all innovation and startup-related decisions on behalf of the Institute. The Institute will provide the necessary budgetary support as per the guidelines of **National Innovation and Start-up Policy 2019.** Managing Director, STEP and treasurer STEP are responsible for monitoring and reporting innovation related activities to the Senate at regular intervals.

INNOVATION FUND

(i) Innovation and Entrepreneurship activities are a part of the institute's financial strategy. Institute will invest a minimum of 1% of its total annual budget (as per National Innovation and Startup Policy 2019) or Rs. 10 crores whichever is less to fund and support Innovation and Start up related activities through an "Innovation Fund" of STEP.

(ii) STEP should also evolve methods for raising funds from diverse sources to reduce dependency on institute and bring funding through government agencies (State and Central) such as DST, DBT, MOE, AICTE, TDB, TIFAC, DSIR, CSIR, BIRAC, NSTEDB, NRDC, Startup India, Invest India, MeitY, MSDE, MSME, NGO, and other Public, Private and Government Entities.

(iii) To Support technology incubators, academic institutes may approach private and corporate sectors to generate funds under Corporate Social Responsibility (CSR) as per section 135 of the Company Act 2013.

(iv) STEP may also raise funding through sponsorships and donations and should try to actively engage alumni network for promoting Innovation & Entrepreneurship.

(v) Seed money may be provided from the "Innovation Fund" as stated above to the students, faculty and staff members for their Innovation and startup, based on the recommendation of the Standing Committee to be constituted by the Director.

(vi) The rent, electricity, and other charges, etc for availing the facilities at STEP by the student for approved innovation and start-up activities will be supported from the "Innovation Fund," as stated above.

POLICIES FOR INNOVATION AND POTENTIAL START UP

These policies have been drafted to establish processes and mechanism for easy creation and nurturing of Startups/ enterprises by students (UG, PG, PhD), staff members, faculty, alumni and potential startup applicants from outside the Institute.

Draft Innovation and startup policy of IIT Kharagpur 2024

A. STUDENTS

1. UG/ PG STUDENTS:

(i) UG/PG students can earn co-curricular academic credits for pursuing startup-related activities at any Innovative prototype/ Business Incubator (BI) approved by the Institute.

(ii) The exact number of credits awarded will depend on the nature of the activity and as decided by the Senate from time to time.

(iii) The structure of attendance credit for one semester (Part time mode) shall be decided by the Senate as per recommendation of UGPEC and PGPEC.

(iv) A Review committee appointed by the Director shall conduct annual, half yearly and quarterly reviews by evaluating the progress of the student entrepreneurs on various areas and adequate corrective measure will be advised to overcome the short falls.

(v) The maximum duration a student is allowed to spend in a program will be counted excluding the period which he/she spends in the Innovation and Startup activities approved by the institute.

(vi) Further the number of hours spent on the project would be recorded in the form of electronic/ physical attendance at STEP to compensate their attendance. This shall be strictly adhered to.

(vii) If a student wishes to get credit for the work done in startup and innovation projects, towards course related project activities, then the norms for evaluation of the project work carried out in an external organization will apply.

(viii) The Senate may also recommend that students involved in innovation and startup projects can defer sitting for placement by upto one year.

(ix) Students who are under incubation, but are pursuing some entrepreneual ventures while studying should be allowed to use their address in the institute to register their company with due permission from the Institute.

(x) Student entrepreneurs may not be allowed to sit for examination, in case the total percentage (i.e. academic class attendance plus attendance for project at STEP) is less than the minimum permissible percentage.

(xi) Institute may allow the students to take semester / year break (or even more depending upon the decision of review committee constituted by the institute) to work on their startups and re-join academics to complete the course.

(xii) Students pursuing their post-graduate project should clearly describe how their work at start-up would be separate/different from their ongoing M.Tech/M.S project needed for earning the degree.

2. DOCTORAL STUDENT

(i) The doctoral students interested in pursuing entrepreneurship would have a part-time attendance provision for their research/ start-up work. This has to be strictly followed looking into attendance requirement for doctoral research.

Page | 3

    ii)   The attendance criterion and part time schedule for students setting up their ventures or working in the ventures should be mutually arrived at between the concerned department, supervisor and the student, with requisite approval from Dean (R&D).

(iii)   Students pursuing their doctoral program should clearly describe how their work at start-up would be separate/different from their ongoing research work towards the degree.

B. FACULTY MEMBER:

(i)   Product development and commercialization as well as participating and nurturing of startups would now be faculty-driven activities and each faculty would choose a mix and match of these activities (in addition to minimum required teaching and guidance).

(ii)   Only Regular / Full time faculty members of IIT KGP are allowed to provide advisory consultancy /mentorship in a Startup

(iii)   Faculty startup may consist of faculty members alone or with students or with faculty of other Institutes or with alumni or with other entrepreneurs.

(iv)   Faculty are allowed to spend up to 20% of their working hours on their start-up activities with proper record keeping in the ERP.

(v)   Faculty member can allow to take off for a semester/ year (or even more depending upon the decision of review committee constituted by the Institute) as sabbatical/ unpaid leave/ casual leave/ earned leave for working on startups and come back. Institute to consider allowing use of its resource to faculty/ student/ staff wishing to establish start up as a fulltime effort. The seniority and other academic benefits during such period may be preserved for such staff and faculty.

(vi)   Faculty member must clearly separate and distinguish ongoing research/ consultancy at the Institute from the work conducted at the startup/ company

(vii)   Faculty must not accept the gift from the startup.

(viii)   Faculty must not involve research staff or other staff of the Institute in activities at the startup and vice-versa

(ix)   Human subject related research in startup should get clearance from ethics committee of the Institute

(x)   Participation in innovation and startup-related activities may be given due weightage during the faculty's annual appraisal and promotion.

C. NON-TEACHING STAFF MEMBERS:

Non-teaching staff is also allowed to pursue Innovation and startup-related activities at any business Incubator approved by the STEP. The following may also be subject to the approval of the competent authority of the institute.

    (a) Relaxation in office working hours.

    (b) Sanction of leave with and without pay as decided by the competent authority from time to time.

Participation in innovation and startup-related activities may be given due weightage during annual appraisal and promotion.

D. START-UP BY ALUMNI

(i) STEP will facilitate start-ups incorporated by Alumni (within five years of the award of their degree). The program to support this could be Entrepreneurship-in-Residence (EiR). The Advisory Committee of STEP will evaluate and select applications of Individual alumni on the intense review of the Idea / Proof of Concept (PoC) as well business plan.

(ii) The EiR will have to function from STEP on day-to-day basis, participate in pre-seed funding and grant competitions to develop prototype of product/service.

(iii) Well established Alumni could be invited for possible funding of EiR or team of EiR comprising of regular students of IITKGP aspiring to become entrepreneurs.

E. START-UP BY EXTERNAL INNOVATORS

IIT Kharagpur will strive to remain the driving force in developing entrepreneurship culture in its vicinity (regional, social and community level). IITKGP will provide opportunity for regional startups, provision to extend facilities for outsiders and active involvement of the institute in defining strategic direction for local development.

Strategic international partnerships may be developed using bilateral and multilateral channels with international innovation clusters and other relevant organizations. Moreover, international exchange programs, internships, engaging the international faculties in teaching and research should also be promoted.

Local youth, if come forward to initiate startups with limited objectives based on local raw materials, will be supported.

INTELLECTUAL PROPERTY RIGHTS

The Institute will allow licensing of Intellectual Property Rights (IPR) from the institute to start up as per the Institute's IPR policy. Ideally such a startup should be initiated by students/staff/faculty based on the technology developed or co-developed by them or the technology owned by the institute and based on the Institute's IPR policy.

CHARGES FOR INSTITUTE SERVICES AND FACILITIES

For startups and projects that are incubated in any STEP approved BIs, charges for using Institute services and facilities will be governed by the MoU signed between the Institute and STEP.
In all other cases, charges for services and facilities provided by the Institute will be as per the Institute norms.

Page | 5

Draft Innovation and startup policy of IIT Kharagpur 2024

EQUITY:

For using the Institute brand and providing support, STEP can stake a share in the startup equity held by its students/staff/faculty. Total equity held by the Institute in any company will be at-most 9.5%.

A. STUDENTS
- STEP can take upto 10% equity/stake that a student owns in a startup/company. The actual percentage will be fixed on a case-to-case basis by the STEP.
- Equity held by the Institute in any company through a student/staff will be at most 5%.

B. STAFF/FACULTY MEMBER
- STEP will take 10% equity/stake that a staff/faculty owns in a startup/company.
- Equity held by STEP in any company through a staff /faculty will be at most 9.5%.

C. ALUMNI AND EXTERNAL INNOVATOR
- STEP will take 15% equity/stake that an alumnus or external innovator owns in a startup/company.
- Equity held by STEP in any company through alumni and external innovators will be at most 10%.

INCENTIVES FOR STAFF AND STAKEHOLDERS

In order to attract and retain good talent, the Institute will develop academic and non-academic incentives and reward mechanisms for all staff and stakeholders that actively contribute and support entrepreneurship agenda and activities.

IMPACT ASSESSMENT OF INSTITUTE'S ENTREPRENEURIAL

Impact assessment of entrepreneurial initiatives of STEP and the AUs of the Institute in pre-incubation, incubation, entrepreneurship education should be performed regularly using well defined evaluation parameters.

EXIT

The start-up may plan the exit from STEP based on the following conditions. Under such conditions this Start Up policy will cease to exist for the company;

- Completion of stay for 36 months, unless stay is extended by STEP
- Underperformance of the startups as assessed by the STEP Board.
- When the number of employees exceed 20 in the incubatee company
- When the company enters in acquisition, merger or amalgamation deal, or re-organization resulting in substantial change in the company profile.

No. MS/B-1(211)/2024/3293
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 approved the final results of various courses for the session 2023-2024 for award of the degrees at the forthcoming 70th Convocation of the Institute. Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. Dean, Faculty of Engineering & Architecture (FoE&A)
2. Dean, Faculty of Bio-Technology & Bio-Sciences (BTBS)
3. Dean, Faculty of Sciences (FoS)
4. Joint Registrar (Academic)
5. Deputy Registrar (Academic)

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board

BoG: 211-5

No. MS/B-1(211)/2024/3294
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 approved creation of the following "Centres of Excellence" in the Institute :

(i) Centre of Excellence in Public Policy, Law and Governance, and

(ii) Centre of Excellence in Sustainable Development

Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

All Heads of the Departments/Centres/Schools

Copy to :

1. Chairman, ERP
2. Head, Institute Information Cell
3. All Joint Registrars/Deputy Registrars/Assistant Registrars
4. Secretary to Director
5. Secretary, Deputy Director's Office
6. Secretary, Registrar's Office
7. Web Notice Board

BoG: 211-6

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. IIT/Acad./ 350.AOI/2024

Date: January 29, 2024

The undersigned is to convey that the Senate at its 350th Meeting held on January 19, 2024 recommended to Board of Governors (BoG) of the Institute for consideration and approval for the creation of the following two new Centres:

(i) Centre of Excellence in Public Policy, Law and Governance

(ii) Centre of Excellence in Sustainable Development

This is for kind information and necessary action.

कुलसचिव / **Registrar**

To
Joint Registrar (E-III) – for information & necessary action please

Copy to:
   (1) Dean, (FoE&A / FoS / FoID&BTBS)
   (2) Associate Dean, (FoE&A / FoS / FoID&BTBS)
   (3) Joint Registrar (Academic)
   (4) Deputy Registrar (Academic)
   (5) Assistant Registrar (Academic)
   (6) Secretary to Director
   (7) Secretary, Deputy Director's Office
   (8) Secretary, Registrar's Office

CENTRE OF EXCELLENCE

IN

PUBLIC POLICY, LAW AND GOVERNANCE

About the Centre

The Centre of Public Policy, Law and Governance is designed to create leaders with deep understanding of public policy, law and governance issues confronting the global and domestic economy. Equipped with conceptual understanding, methodological skill building and real world problem orientation, the CPPLG aims to create policy and legal analysts catered to address the complex, multi- layered and interrelated governance aspects facing the world at present. Issues such as democratic backsliding, economic inequality, disruptive technologies, climate change, and armed conflict call for interdisciplinary, skilled and versatile professionals who not only have an analytical and nuanced understanding of these challenges but are also willing to move to action and make a contribution to good and responsible governance at the local, national, regional or global scale.

The need for a Centre on public policy, law and governance need not be overemphasized. Public policy plays a crucial role in the global context . It helps nations collaborate to address global challenges like climate change, public health crises, and poverty, which require coordinated efforts and international agreements. Policies related to diplomacy and conflict resolution are essential for maintaining global peace and security. International agreements and organizations, like the United Nations, are rooted in public policy. International trade and economic policies impact global economic stability. Agreements such as the World Trade Organization (WTO) influence trade regulations, tariffs, and economic cooperation. Public policies guide nations in upholding human rights standards, promoting social justice, and addressing issues like refugees and migration. Public policy from a global perspective is essential for addressing complex, interconnected challenges and promoting cooperation among nations to achieve common goals.

In Indian context, compelling reasons exist for creation of necessary knowledge in the domain. India is the world's largest democracy, and the effective functioning of this system relies heavily on public policies, laws, and governance structures. Understanding these subjects is essential for informed citizenry and active participation in the democratic process. The study of policies allows for critical analysis and improvement of social programs, ensuring they reach the intended beneficiaries and address pressing issues such as poverty, healthcare, education, and more. Well-crafted public policies and sound legal frameworks are instrumental in promoting economic growth and development. A deep understanding of these areas can help formulate policies that encourage entrepreneurship, investment, and trade, driving economic progress. Studying governance structures helps identify and rectify inefficiencies, corruption, and administrative challenges, ultimately promoting transparency, accountability, and public trust. The study of public policy, law, and governance is of immense significance in

contemporary India. These fields not only help in crafting a more just and equitable society but also in maintaining a stable and prosperous nation within the global arena.

The Centre is designed to cater to the global and domestic demands of present times with a futuristic perspective. It will provide rigorous training in analytical frameworks and methods and engage in solving real world problems facing governments, organizations and society at large. Law being a major instrument of public policy, the course will expose the students to diverse legal domains, while honing their skills in the art of advocacy, diplomacy and negotiations. The blend of public policy with law will provide a unique edge to students to appreciate and use policy analytics enabled by law in problem resolution.

Activities of the School

The CPPLG will engage in the following activities:

1. Academic Programs
2. Sponsored Projects & Consultancies to Government departments, organizations and companies
3. Training Programs for officials in Govt. departments, industry

Programs Offered

The CPPLG will initially offer three programs:

1. Master's in Public Policy, Law and Governance (2 years)
2. One year Executive Program in Public Policy, Law and Governance
3. Ph.D (Institute Scholars/ Sponsored/Working professionals)

Placement/ Internships

Students pursuing the programs will have immense opportunities in the following domains:

- Academic Institutions, Legal research, policy analysis, academic teaching
- Government agencies, Public Policy Institutes, Private consulting firms; Government legal departments;
- International Organizations, NGOs; health advocacy; Department of Social Services;
- Think Tanks;
- Corporate Bodies; Regulatory compliance, policy strategy, risk management;

PROPOSAL FOR

CENTRE OF EXCELLENCE IN SUSTAINABLE DEVELOPMENT

MISSION

Sustainable Development is the ruling paradigm globally and it is essential that society and industry imbibe and inculcate the values that will help to achieve the United Nations' Sustainable Development Goals (SDGs). The Mission of the proposed Centre of Excellence in Sustainable Development (CoE-SD) is to provide knowledge and expertise to society and industry to achieve the SDGs. To this end, students of the CoE-SD will learn, explore and disseminate the knowledge and experience gained in the Centre.

ACTIVITIES

The Centre will be primarily involved in research, teaching, and consulting activities related to Sustainable Development. It will also foster industry-academia collaboration, community welfare activities and create a global network of academic institutions working for sustainable development.

Major areas of research include monitoring of air and water quality, designing innovative treatment methods for removal of pollutants from water and wastewater, detection and monitoring of emerging contaminants such as pesticides, antibiotics, disinfection by-products, etc in different environmental media, environmental risk assessment, and solid and hazardous waste management. Treatment and management of new waste streams like plastic and e-waste is another major area of research and teaching.

FACILITIES

CoE-SD will be well-equipped with high-tech analytical instruments that are capable of detecting and quantifying pollutants down to the nanogram/L level.

PROGRAMS OFFERED

The main activity of the Centre will be research and development through institute and sponsored research. Research scholars will be recruited to carry out the research.

CoE-SD is proposing to offer an M.Tech. degree in Sustainable Science and Engineering. Details of the proposed degree program can be provided separately.

FACULTY

Dr. Shamik Chowdhury, Ph.D. (Environmental Science and Engineering, NUS, Singapore) will be associated with the centre.

The Centre also proposes to work with relevant faculty members from other Departments, Centres and Schools in the Institute.

CENTRE OF EXCELLENCE IN PUBLIC POLICY, LAW AND GOVERNANCE

Vision

To be a pioneering Centre of Excellence that cultivates informed decision making, elevates jurisprudential understanding and spearheads governance innovations for the societal welfare.
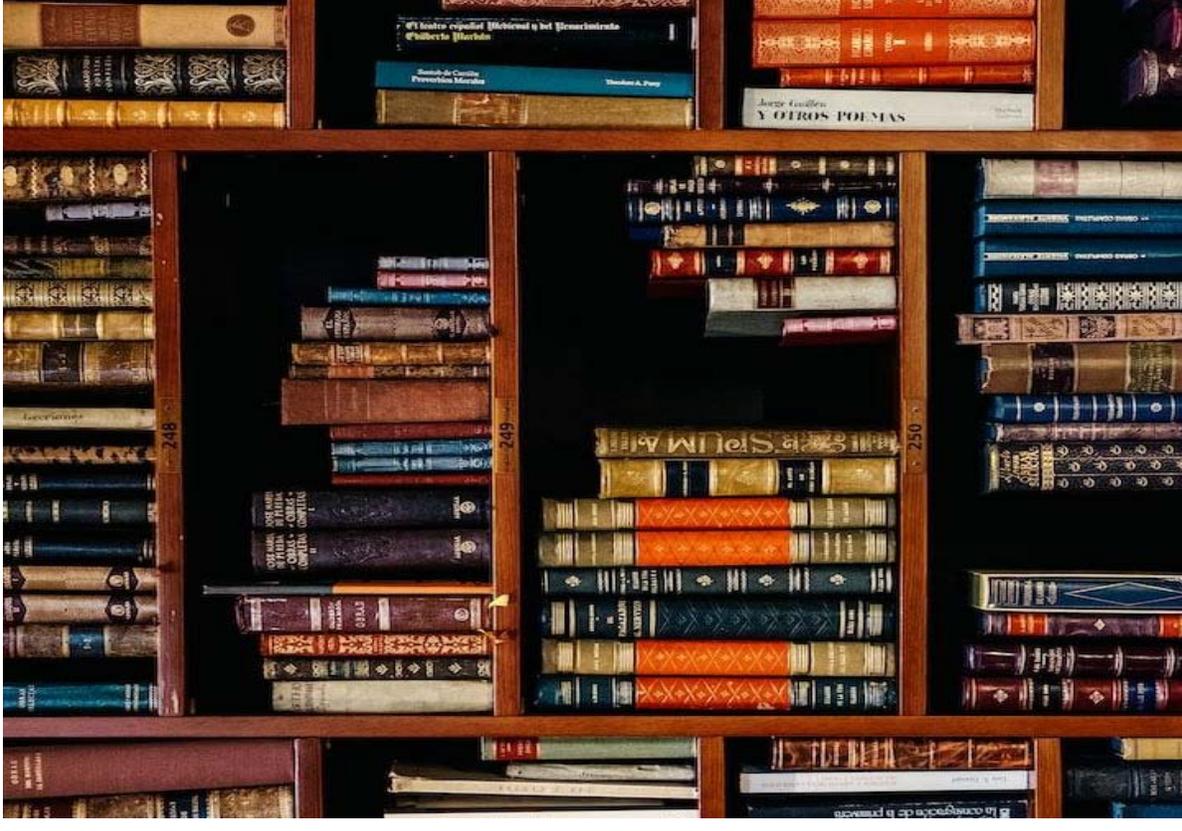
Why??

- Fostering research at the intersection of policy, law, and governance

- Producing experts with an analytical and nuanced understanding

- National and Global Impact: Influencing decision-making processes

- Addressing Challenges: Climate Change, Digital governance, Sustainable Development

- Ensuring India's forefront position in technology-driven changes
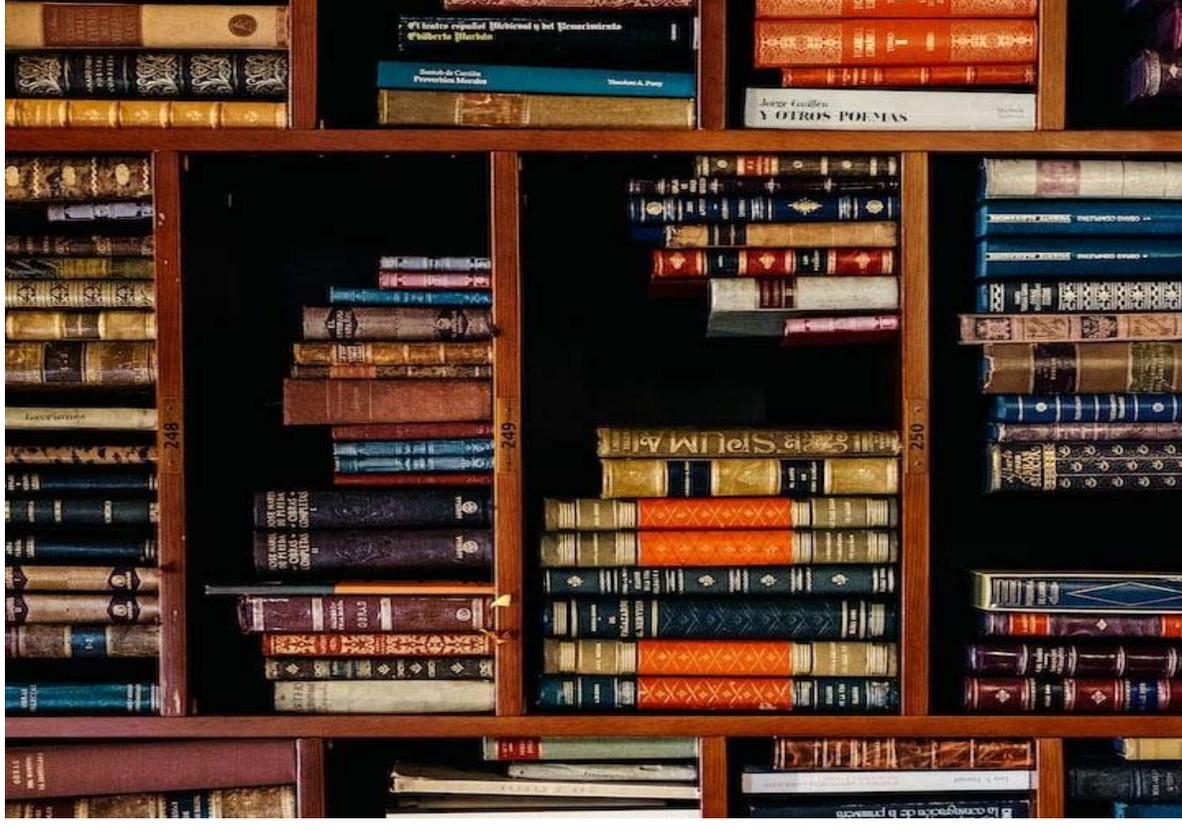
Programs proposed

The Centre will initially offer the following programs:

1. Master's in Public Policy, Law and Governance

2. Executive Program in Public Policy, Law and Governance (For working professionals)

3. Ph.D (Regular & For working professionals)

Students

First class (or equivalent) in Bachelor's degree in Science/ Engineering/ Medicine/Law

Faculty/Experts

Interdisciplinary Centre with expertise drawn from School of Law, Humanities & Social Science and Management;

Industry experts will be invited as Adjunct Faculty

Revenue Generation

Self Financed Courses

Training Programs for Industry

Industry Collaborations

Sponsored Projects & Consultancies

Placement & Internship Opportunities

- Academic Institutions, Legal research, policy analysis, academic teaching
- Government agencies, Public Policy Institutes, Private consulting firms; Government legal departments;
- International Organizations, NGOs; health advocacy; Department of Social Services;
- Think Tanks
- Corporate Bodies; Regulatory compliance, policy strategy, risk management;

Centre for Excellence in Sustainable Development

IIT Kharagpur

Mission

- Sustainable Development is the ruling paradigm globally and it is essential that society and industry imbibe and inculcate the values that will help to achieve the United Nations' Sustainable Development Goals (SDGs).

- The Mission of the proposed Centre of Excellence in Sustainable Development (CoE-SD) is to provide knowledge and expertise to society and industry to achieve the SDGs. To this end, students of the CoE-SD will learn, explore and disseminate the knowledge and experience gained in the Centre.

Vision

A society or industry can achieve environmental competence only through the knowledge, skills, and attitudes of individuals and managers who can provide long-term solutions to complex environmental problems, thus contributing to a sustainable future.

It is envisioned that the Centre for Excellence in Sustainable Development

- Will have world-class laboratory facilities for conducting cutting-edge research at the Masters and Ph.D. levels,

- Will offer an M.Tech. program in Sustainable Development Engineering for creating future leaders who are capable of achieving the UN SDGs, and

- Will offer Micro and Minor specialization at the Bachelor's degree level in Sustainable Development Engineering.

88

Experts and students

Experts

- Centre will expand and hire faculty from all relevant disciplines of science and engineering including visiting or adjunct faculty from abroad

- Current strength: One full-time faculty member, and 15 affiliated faculty members from the following departments

  - Civil Engineering – Environmental Engineering and Management
  - Chemical Engineering; Mining Engineering; School of Water Resources
  - Geology and Geophysics; Centre for Ocean, River, Atmosphere and Land (CORAL) Sciences
  - Material Sciences and Metallurgy

Students

- Ph.D. degree in Environmental Science and Engineering: The main activity of the Centre is research with 67 Research Scholars (RSs) enrolled; 19 RSs have already received their degrees.

- Proposed M.Tech. degree in Sustainable Development Engineering. Details of the proposed degree program can be provided separately.

89

4

Activities and facilities

ACTIVITIES

The Centre will be primarily involved in research, teaching, and consulting activities related to Sustainable Development. It will also foster industry-academia collaboration, community welfare activities and create a global network of academic institutions working for sustainable development.

Major areas of research

- Detection and monitoring of emerging contaminants such as pesticides, antibiotics, disinfection by-products, etc. in different environmental media

- Designing innovative treatment methods for removal of pollutants from water and wastewater

- Environmental risk assessment, and solid and hazardous waste management

- Treatment and management of new waste streams like plastics and e-waste

Collaboration with internationally reputed universities and organizations (Curtin University, University of Melbourne, University of Manchester, etc.)

90

Structure of the Centre of Excellence

Current

Chairperson of Centre – 1

Full-time faculty members – 1

Staff members - 2

Research Scholars – 49

Proposed for running M.Tech. degree programme

Chairperson of Centre – 1

Full-time faculty members – 4

Administrative and technical staff - 3

Research Scholars (can serve as Teaching Assistants) – >60

FACILITIES

CoE-SD is well-equipped with high-tech analytical instruments that are capable of detecting and quantifying pollutants down to the nanogram/L level.

91

6

Revenue generation

- Short-term courses for 2-3 days

- Certificate courses for 3 to 6 months

- Courses for Industry (Coal India, NTPC, CPCB, etc.)

THANK YOU
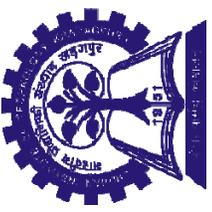
Master of Technology (M.Tech.)
in
Sustainable Development Engineering

GATE Paper: ES, CE, CH, BT, AG, XE

Number of seats: 20

Qualifications: GATE qualified, working professionals, sponsored candidates

Programme Education Objectives

A society or industry can achieve environmental competence through the knowledge, skills, and attitudes of individuals and managers who can provide long-term solutions to complex environmental problems, and hence contribute to a sustainable future. To this end, the Programme Education Objectives (PEO) of the proposed M.Tech. Program in Sustainable Development Engineering are:

95

- To provide a comprehensive environmental education leading to competency in selecting, developing and implementing sustainable technological solutions to environmental problems in industrial set-ups as well as urban/rural environments,

- To develop human resources that can provide leadership in reducing the environmental impacts of engineering processes and products at every stage of their lifecycle - from conception, development, and prototyping to commercialization, recycling, and disposal.

10

Programme Education Objectives

- Provide advanced education to graduate students to identify and solve sustainability issues using a systems approach in the context of the three pillars of sustainability: environment, society, and economics.

- Create a rigorous program with breadth and depth to propel graduate students to foster sustainable technologies, science, and practices in India and abroad.

- Provide students with experiences that enable them to communicate sustainability issues and solutions to multiple audiences.

96

Career prospects

- The programme is challenge-led and interdisciplinary, equipping students with skills to work across sectors to address sustainable development issues. Through the diverse subjects offered and the multi-pronged programme approach, students can tailor their learning direction to gain knowledge, skills and experience to be well-qualified for positions in:

  - environmental management, protection and restoration
  - environmental governance and planning
  - academia
  - international non-governmental organisations

- Potential job titles for an M. Tech. degree in sustainable engineering:

  - Environmental, Health, Safety and Sustainability Director
  - Green Building Engineer
  - Water Project Manager
  - Environmental Engineering Consultant
  - Global Sustainability Data and Analytics Director

97

12

Detailed curriculum

SEMESTER I

Sl. No.	Subject Name	Type	New/Existing	L-T-P	Credit
1	Introduction to Sustainable Development Goals	Core I	New	3-1-0	4
2	Sustainability Evaluation and Assessment	Core II	New	3-0-0	3
3	Green Built Environment and Infrastructure	Core III	New	3-0-0	3
4	Sustainable Development Lab I	Core IV	New	0-0-3	2
5	Depth Elective I		New	3-0-0	3
6	Depth Elective II		New	3-0-0	3
7	Breadth Elective I		Existing	3-0-0	3
8	Seminar	Core V	New	0-0-3	2
	Total				23

98

13

Detailed curriculum

SEMESTER II

Sl. No.	Subject Name	Type	New/Existing	L-T-P	Credit
1	Industrial Symbiosis and Circular Economy	Core VI	New	3-0-0	3
2	Life Cycle Assessment Methods and Tools	Core VII	New	3-0-0	3
3	Sustainable Development Lab II	Core IX	New	0-0-3	2
4	Depth Elective III		New	3-0-0	3
5	Depth Elective IV		New	3-0-0	3
6	Breadth Elective II		Existing	3-0-0	3
7	MTP I	Core	New	0-0-3	4
	Total				21

14

Detailed curriculum

SEMESTER III

Sl. No.	Subject Name	Type	New/Existing	L-T-P	Credit
1	Summer Internship		New	0-0-6	4
2	MTP II		New		16
			Total		**20**

SEMESTER IV

Sl. No.	Subject Name	Type	New/Existing	L-T-P	Credit
1	MTP III		New		20
			Total		**20**

	Total Credits				**84**

100

Detailed curriculum

Depth Elective I

Sl. No.	Subject Name	New/Existing	L-T-P	Credit
1	Cleaner Production for Sustainable Development	New	3-0-0	3
2	Sustainability and Public Health	New	3-0-0	3
3	Minerals, Metals, and Materials for Sustainable Futures	New	3-0-0	3
4	Carbon Capture, Sequestration and Conversion Technologies	New	3-0-0	3

Depth Elective II

Sl. No.	Subject Name	New/Existing	L-T-P	Credit
1	Environmental Economics	New	3-0-0	3
2	Environmental Policy and Law	New	3-0-0	3
3	Managing Sustainable Water Environments: Policy and Practice	New	3-0-0	3
4	Global Energy Policy for Sustainable Development	New	3-0-0	3

Detailed curriculum

Depth Elective III

Sl. No.	Subject Name	New/Existing	L-T-P	Credit
1	Introduction to Statistics for Environmental Analysis	New	3-0-0	3
2	Modelling Water Environments	New	3-0-0	3
3	Topographic Modelling and Landscape Monitoring	New	3-0-0	3
4	GIS and Remote Sensing for Sustainable Development	New	3-0-0	3

Depth Elective IV

Sl. No.	Subject Name	New/Existing	L-T-P	Credit
1	Strategy and Innovation for Sustainable Development	New	3-0-0	3
2	Sustainability in Business Operations and Supply Chains	New	3-0-0	3
3	Sustainability and Leadership	New	3-0-0	3
4	Natural Resources Governance and Management	New	3-0-0	3

17

Detailed curriculum

Breadth Elective I

Sl. No.	Subject Name	New/Existing	L-T-P	Credit
1	Climate Change and Water Resources	Existing (AG60151)	3-0-0	3
2	Renewable Energy Sources	Existing (ES61007)	3-0-0	3
3	Carbon Cycle and Global Climate Change	Existing (CL60019)	3-0-0	3
4	Fundamentals of Marine Resources and Exploration Techniques	Existing (CL60033)	3-0-0	3
5	Fundamentals of Biomaterials and Living Matter	Existing (MM61207)	3-0-0	3
6	Solid Waste Management	Existing (CE60135)	3-0-0	3
7	Energy Conservation in Process Industries	Existing (CH62043)	3-0-0	3
8	Geogenic Water Pollution and Control	Existing (WM60008)	3-0-0	3
9	Industrial Pollution Control	Existing (CH62007)	3-0-0	3
10	Energy Materials	Existing (ES60004)	3-0-0	3

18

Detailed curriculum

Breadth Elective II

Sl. No.	Subject Name	New/Existing	L-T-P	Credit
1	Environmental Planning	Existing (AR60040)	3-0-0	3
2	Safety Legislation and Environmental Law	Existing (MI60080)	3-0-0	3
3	Environmental Impact Assessment	Existing (CE60140)	3-0-0	3
4	Air Quality Management	Existing (CE60022)	3-0-0	3
5	Hazardous Waste Management	Existing (CE60148)	3-0-0	3
6	Advanced Water and Wastewater Treatment	Existing (CE60144)	3-0-0	3
7	Groundwater Exploration and Management	Existing (EX60036)	3-0-0	3
8	Waste to Wealth: Microbial Intervention	Existing (ES60002)	3-0-0	3
9	Energy Storage Technologies	Existing (ES60006)	3-0-0	3
10	Fundamentals and Applications of GPS Technologies	Existing (ME60022)	3-0-0	3

19

MINOR and MICRO

MINOR specialization

- The Centre can list a set of subjects from its curriculum and prescribe a requirement for minor taking six subjects or more (18-24 contact-hours plus 3-9 hours of laboratory) from this set.

- The subjects would be a combination of mostly core and some electives.

MICRO specialization

- A student would be required to complete 3-4 subjects (10-14 credits) from the specified list in order to earn a Micro Specialization.

THANK YOU

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3295
Dated: 27th March, 2024

M E M O

The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 approved the guidelines for IIT Kharagpur faculty accepting Adjunct Faculty position in various outside Organizations/Institutions.   Details are given in the **Annexure.**

This is for information and necessary action please.

Registrar &
Secretary, BOG

To

1. All Deans/Associate Deans
2. All Heads of the Departments/Schools/Centres

Copy to :

1. All Joint Registrars/Deputy Registrars/Assistant Registrars
2. Secretary to Director
3. Secretary, Deputy Director's Office
4. Secretary, Registrar's Office
5. Web Notice Board

BoG: 211-7

Proposed guidelines for IIT Kharagpur faculty accepting Adjunct Faculty position outside the institute

1. The application seeking approval for accepting Adjunct Faculty position should be forwarded through the Head of the Department/Centre/School where the faculty is currently working.

2. The application should be supported by offer letter from the outside institute offering the Adjunct Faculty position, clearly stating the terms and conditions, including nature of engagement, number of days of engagement per semester, duration, emoluments, any IP related issues etc.

3. At any point of time, not more than 10% of the existing faculty strength of the department/centre/school shall be permitted to act as Adjunct faculty of outside institutes.

4. The number of days of engagement of the faculty at the outside institute shall not exceed 10 working days per semester.

5. The faculty member shall make necessary arrangement for classes, examinations etc. so that his/her regular academic and administrative engagements at IIT Kharagpur are not hampered due to the Adjunct Faculty position.

6. The faculty member shall apply for appropriate leave when he/she visits the outside institutes where he/she is engaged as Adjunct Faculty.

7. IIT Kharagpur shall not have any financial commitment, and the faculty member has to make his/her own arrangements for travel, accommodation etc., when he/she visits the outside institute where he/she is engaged as Adjunct Faculty.

8. Permission for Adjunct Faculty does not include inviting students/staff/faculty from outside Institute where he/she is engaged as Adjunct Faculty without prior approval from the competent authority.

9. NIRF ranking of the Institute, where faculty member is accepting the offer of appoint, should be < 100.

10. Any IP arising out of the application should be jointly shared with IIT Kharagpur as per existing rules of the Institute.

11. Emoluments received should be shared with IIT Kharagpur as per SRIC consultancy rules.

12. At any point of time not more than one assignment is to be permitted.

13. Adjunct Faculty positions be permitted to Professors and Associate Professors only.

No. MS/B-1(211)/2024/3296
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 approved the amendment of recruitment rules for the post of Administrative Officer with respect to nature of appointment (clause no. 9) as regular appointment.

Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. Dean, Human Resources
2. Joint Registrar (Establishment)

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board

BoG: 211-9

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

1	Name of the Post	:	Administrative Officer
2	Number of post	:	10 (Ten)
3	Classification	:	Group 'A'
4	Scale of Pay	:	Level-10 of Pay Matrix of Rs. 56100- (Pre -revised PB-3 with GP of Rs. 5400/-)
5	Whether selection post or non-selection post	:	Selection
6	Age limit for direct recruitment	:	Not exceeding 35 years
7	Educational and other qualifications required for direct recruitment	:	**Essential Qualification:** Master's Degree with at least 55% marks or its equivalent grade of 'B' in the UGC 7 point scale from recognised Universities/Institutes of repute and consistently good academic records. **Essential Experience:** (i) At least 3 years of relevant experience at supervisory level atleast in GP of Rs. 4200/- or equivalent in a reputed Educational Institute/University System/Research Institute/Central Government Departments; (ii) Experience in Computer System & Applications, Office Automation. **Desirable:** Experience in handling the human resource management, maintain electronic record system, equipment maintenance, tender process, organize meetings, coordinate to organise workshops / symposium/ conferences, communicate with the external agencies like industry and other academic institutions and to handle various matters through ERP. Preference will be given to candidates possessing MBA Degree.
8	Whether age and educational qualifications prescribed for direct recruitment will apply in the case of Promotees	:	Not Applicable
9	Period of Probation, if any	:	One year
10	Method of recruitment, whether by direct recruitment or by promotion or by deputation or absorption and percentage of the posts to be filled by various methods	:	Direct Recruitment
11	In case of recruitment by promotion or by deputation or absorption, grades from which promotion or deputation or absorption to be made	:	Not Applicable
12	If a Departmental Promotion Committee exist what is its composition	:	Not Applicable
13	Reservation	:	As per Govt. of India guidelines.
14	Remarks	:	

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3297
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 approved the proposal for two days and one night free accommodation with food, twice in a year, for alumnus/alumna with one accompaniment, visiting IIT Kharagpur for the Institutional development activities. Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. Dean, Outreach and Alumni Affairs
2. Associate Dean, Alumni Affairs and International Relations
3. Professor-In-Charge, Technology Guest House

Copy to :

1. Joint Registrar (F&A)
2. Secretary to Director
3. Secretary, Deputy Director's Office
4. Secretary, Registrar's Office
5. Web Notice Board

BoG: 211-10

No. MS/B-1(211)/2024/3298
Dated: 2ⁿᵈ April, 2024

M E M O

The undersigned is directed to convey that the Board of Governors at its 211ᵗʰ meeting held on 12.02.2024 sought more details about the proposal for clearance of 'IIT Startups Logo" and recommended obtaining concurrence of the Ministry of Education prior to according the approval by the BOG. Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. Dean, Outreach and Alumni Affairs
2. Associate Dean, Alumni Affairs and International Relations

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board
BoG: 211-11

No. MS/B-1(211)/2024/3299
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 nominated Prof. Karabi Das, Department of Metallurgical and Materials Engineering to be a member of the Finance Committee of the Institute.

This is for information and necessary action please.

Registrar &
Secretary, BOG

To

Prof. Karabi Das
Department of Metallurgical and Materials Engineering

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board
BoG: 211-12

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

M E M O

The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 recommended due diligence and prior concurrence of MoE regarding the Memorandum of Agreement (MoA) for Joint Certificate Program between the Deysarkar Centre of Excellence in Petroleum Engineering, IIT Kharagpur (DCEPE) and Ufa State Petroleum Technological University (USPTU) in partnership with Chamber for Indo Russo Technology Collaboration (CIRTC). Details are given in the **Annexure.**

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. Dean, Outreach and International Relations
2. Associate Dean, Alumni Affairs and International Relations
3. Chairperson, Deysarkar Centre of Excellence in Petroleum Engineering

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board

BoG: 211-13

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3301
Dated: 2nd April, 2024

M E M O

    The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 recommended due diligence and prior concurrence of MoE regarding the Memorandum of Agreement (MoA) for Joint Certificate Program between the Partha Ghosh Academy of Leadership (PGAL), IIT Kharagpur and Moscow University of Finance and Law (MUFL) in partnership with Chamber for Indo Russo Technology Collaboration (CIRTC). Details are given in the Annexure.

    This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. Dean, Outreach and International Relations
2. Associate Dean, Alumni Affairs and International Relations
3. Chairman, Partha Ghosh Academy of Leadership

Copy to :

1. Secretary to Director
2. Secretary, Deputy Director's Office
3. Secretary, Registrar's Office
4. Web Notice Board

BoG: 211-14

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

M E M O

The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 approved the creation of Centre of Excellence in Urban Planning and Design at Indian Institute of Technology Kharagpur. Details are given in the Annexure.

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

All Heads of the Departments/Centres/Schools

Copy to :

1. Chairman, ERP
2. Head, Institute Information Cell
3. Secretary to Director
4. Secretary, Deputy Director's Office
5. Secretary, Registrar's Office
6. Web Notice Board

BoG: 211-15

भारतीय प्रौद्योगिकी संस्थान खड़गपुर
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

No. MS/B-1(211)/2024/3306
Dated: 2nd April, 2024

M E M O

The undersigned is directed to convey that the Board of Governors at its 211th meeting held on 12.02.2024 considered the findings in the report submitted by the Enquiry Committee constituted to investigate the complaint received from Dr. Anway Mukhopadhyay, Assistant Professor Grade-I, Department of Humanities & Social Sciences and approved conducting an orientation programme for newly joined faculty members to apprise them about the rules and procedures of the Institute. Details are given in the Annexure.

This is for information and necessary action please.

Encl: As stated

Registrar &
Secretary, BOG

To

1. Dean, Faculty of Engineering & Architecture (FoE&A)
2. Dean, Faculty of Bio-Technology & Bio-Sciences (BTBS)
3. Dean, Faculty of Sciences (FoS)

Copy to :

1. All Heads of the Departments/Centres/Schools
2. Secretary to Director
3. Secretary, Deputy Director's Office
4. Secretary, Registrar's Office
5. Web Notice Board
BoG: 211-22