

## MINUTES OF THE MEETING OF FARE SELECTION COMMITTEE 2025-2026

The FARE Selection Committee (2025-26) discussed on January 22, 2026, to consider the requests for FARE Fellowship.

### **FARE Fellowship Eligibility Criteria:**

- i. The student should be currently enrolled in the full-time PhD programme at IIT Kanpur. S/he should submit the thesis no later than 5 years and 6 months from the date of her/his first registration in the PhD program at IIT Kanpur. This period excludes the leave availed on medical grounds for a semester, if any.
- ii. A student interested in applying for FARE must submit an application within three months of PhD thesis submission.
- iii. S/he must have at least one accepted/published research work/paper (or equivalent work) in any reputed journals/proceedings, etc., of the level equivalent to Q1 or Q2 journals from her/his PhD research as first author at the time of application.
- iv. Journal or Conference publication mentioned in the FARE Application should have online references, such as DOI / Weblinks for consideration.
- v. Eligibility criteria for Patent Consideration:
  - Patent(s) must be part of applicant's PhD thesis work, and grant certificate should be submitted as part of FARE application.
  - The patent must have at least 25% contribution from the FARE applicant.
- vi. All the currently registered students of Y18 and onward batches are eligible to apply for FARE.
- vii. Those students of Y18 and Y19 batches fulfilling condition (i), who have already submitted their thesis but have not defended it as of the date of this office order are eligible to apply for FARE.
- viii. A one-time relaxation is being granted to Y18 and Y19 students, allowing them to be eligible for the FARE fellowship if they submit their thesis within 6 years and 6 months for Y18 students and 6 years for Y19 students from their initial registration date.
- ix. The thesis submission deadlines are as follows: Y18 – within 6 years 6 months with 12 months fellowship; Y19 – within 6 years with 12 months fellowship; Y20 (1st sem) – within 5 years 6 months with 12 months fellowship; Y20 (2nd sem onward) – within 5 years with 12 months fellowship or within 5 years 6 months with 6 months fellowship on a pro-rata basis; all deadlines correspond to the late academic registration dates of their respective semesters, excluding summer terms.

### **Considerations:**

- Two applicants from the Department of Civil Engineering (CE) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q1 journal.
- One applicant from the Department of Aerospace Engineering (AE) have applied for the FARE Fellowship. Her PhD thesis work has been accepted in conference proceeding.
- One applicant from the Department of Industrial and Management Engineering (IME) have applied for the FARE Fellowship. Her PhD thesis work has been published in conference proceeding.
- One applicant from the Department of Mechanical Engineering (ME) have applied for the FARE Fellowship. His PhD thesis work has been published in Q1 journal.
- One applicant from the Department of Materials Science & Engineering (MSE) have applied for the FARE Fellowship. His PhD thesis work has been published in Q1 journal.
- One applicant from the Department of Design (DES) have applied for the FARE Fellowship. His PhD thesis work has been published in Q1 journal.
- Three applicants from the Department of Chemical Engineering (CHE) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q1 journal.
- One applicant from the Department of Computer Science and Engineering (CSE) have applied for the FARE Fellowship. Her PhD thesis work has been published in conference proceeding.
- One applicant from the Department of Aerospace Engineering (AE) have applied for the FARE Fellowship. Her PhD thesis work has been published in Q1 journal.
- Two applicants from the Department of Chemistry (CHM) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q1 journal.

### **Details:**

**Sheersha Karmakar / 20214269 / IME**

#### **Findings:**

- Title of the Paper: Remanufacturing as a reporting-circular business strategy in a simple model for leasing versus selling consumer durables
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Sheersha Karmakar (Applicant)
- Journal Name: POMS India International Conference 2024

- Conference: DOI / Web Link Present
- Published / Accepted: Published
- Date of PhD Registration: 11-01-2021
- Date of PhD Thesis Submission: 23-12-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 11 Months, 12 Days

**Mahure Kanchan Gunvantrao / 18201266 / AE**

**Findings:**

- Title of the Paper: Acoustic Emission-Based Damage Detection with Fibre Bragg Grating Sensors
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Mahure Kanchan Gunvantrao (Applicant)
- Journal Name: Springer Nature Link
- Conference: DOI / Web Link Present
- Published / Accepted: Accepted
- Date of PhD Registration: 03-01-2019
- Date of PhD Thesis Submission: 06-11-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 10 Months, 3 Days

**Spandan Sahu / 20103297 / CE**

**Findings:**

- Title of the Paper: Random field based probabilistic analysis of rock tunnels along Hoek-Brown rock masses using finite element limit analysis
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Spandan Sahu (Applicant)
- Journal Name: Computers and Geotechnics
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 06-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 4 Months, 10 Days

**Ajay Kumar / 19205264 / ME**

**Findings:**

- Title of the Paper: Computational Study of the Adhesion and Friction Behavior of Cross-Linked Polymer Networks
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Ajay Kumar (Applicant)
- Journal Name: Langmuir (ACS Publications)
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 01-01-2020
- Date of PhD Thesis Submission: 09-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 0 Months, 8 Days

**Bharat Singh Chahar / 19206264 / MSE**

**Findings:**

- Title of the Paper: Recovery and utilization of zinc dross for sacrificial anode cathodic protection of steel structures.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Bharat Singh Chahar (Applicant)
- Journal Name: Sustainable Materials and Technologies
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 01-01-2020
- Date of PhD Thesis Submission: 06-01-2026

- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 0 Months, 5 Days

**Goptal Ashok Gupta / 20119276 / DES**

**Findings:**

- Title of the Paper: Comprehensive Analysis of Heavy Metal Aerosol Emissions and Health Risk from the Electrical Discharge Machining Process: A Control and Mitigation Approach for Green Manufacturing.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Goptal Ashok Gupta (Applicant)
- Journal Name: International Journal of Precision Engineering and Manufacturing-Green Technology
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 12-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 4 Months, 16 Days

**Shivam Singh / 20103292 / CE**

**Findings:**

- Title of the Paper: Review of Current and Future Indoor Air Purifying Technologies
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Shivam Singh (Applicant)
- Journal Name: ACS ES&T Engineering
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 07-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 4 Months, 11 Days

**Pramit Bhattacharyya / 20111272 / CSE**

**Findings:**

- Title of the Paper: Vacaspati: BanglaByT5: Byte-Level Modelling for Bangla
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Pramit Bhattacharyya (Applicant)
- Conference Name: Empirical Methods in Natural Language Processing (EMNLP)
- Conference: DOI / Web Link Present
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 18-12-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 3 Months, 21 Days

**Vivek Kumar / 21102270 / CHE**

**Findings:**

- Title of the Paper: Rheological Behavior of Colloidal Silica Dispersion: Irreversible Aging and Thixotropy
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Vivek Kumar (Applicant)
- Journal Name: Langmuir
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 28-07-2021
- Date of PhD Thesis Submission: 07-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 5 Months, 10 Days

**Ragupathy S / 20101280 / AE****Findings:**

- Title of the Paper: Numerical Analysis of Oscillating Blade in Linear Cascade at Transonic Flow
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Ragupathy S (Applicant)
- Conference: ASME turbo Expo
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 12-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 4 Months, 16 Days

**Shivangi Mittal / 20202261 / CHE****Findings:**

- Title of the Paper: The method of harmonic balance for the Giesekus model under oscillatory shear
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Shivangi Mittal (Applicant)
- Journal Name: Journal of Non-Newtonian Fluid Mechanics
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 11-01-2021
- Date of PhD Thesis Submission: 08-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 11 Months, 28 Days

**Manajit Mandal / 20107283 / CHM****Findings:**

- Title of the Paper: Classical nexus between chiral inducers and achiral silver nanoparticles and integration of the digital XOR logic gate
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Manajit Mandal (Applicant)
- Journal Name: Materials Advances
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 12-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 4 Months, 16 Days

**Varad Jayant Daoo / 20102266 / CHE****Findings:**

- Title of the Paper: Accelerating In Silico Discovery of Metal–Organic Frameworks for Ethane/Ethylene and Propane/Propylene Separation: A Synergistic Approach Integrating Molecular Simulation, Machine Learning, and Active Learning
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Varad Jayant Daoo (Applicant)
- Journal Name: ACS Applied Materials & Interfaces
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 09-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 4 Months, 13 Days

**Findings:**

- Title of the Paper: Enantioselective Tandem Michael Addition and Cyclization Reaction Enabled by Dual Organo/Copper Catalysis: Access to Functionalized 4H-Pyrans
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Khushboo (Applicant)
- Journal Name: Organic Letters
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 19-01-2026
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 4 Months, 23 Days

**Committee Decision:**

- After due deliberation, the committee recommends Sheersha Karmakar / 20214269 / IME
- After due deliberation, the committee recommends Mahure Kanchan Gunvantrao / 18201266 / AE
- After due deliberation, the committee recommends Spandan Sahu / 20103297 / CE
- After due deliberation, the committee recommends Ajay Kumar / 19205264 / ME
- After due deliberation, the committee recommends Bharat Singh Chahar / 19206264 / MSE
- After due deliberation, the committee recommends Goptal Ashok Gupta / 20119276 / DES
- After due deliberation, the committee recommends Shivam Singh / 20103292 / CE
- After due deliberation, the committee recommends Pramit Bhattacharyya / 20111272 / CSE
- After due deliberation, the committee recommends Vivek Kumar / 21102270 / CHE
- After due deliberation, the committee recommends Ragupathy S / 20101280 / AE
- After due deliberation, the committee recommends Shivangi Mittal / 20202261 / CHE
- After due deliberation, the committee recommends Manajit Mandal / 20107283 / CHM
- After due deliberation, the committee recommends Varad Jayant Daoo / 20102266 / CHE
- After due deliberation, the committee recommends Khushboo / 20107282 / CHM



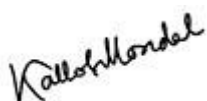
**Abheejeet Mohapatra**  
(ADAA)



**Prof. Pritam Chakraborty**  
(Chairperson, SPGC)



**Prof. Soumya Ranjan Sahoo**  
(EE)



**Prof. Kallol Mondal**  
(MSE)



**Prof. Malay K. Das**  
(ME)



**Prof. Sagar Chakraborty**  
(PHY)



**Prof. Ashoke De**  
(Convener)