

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

The FARE Selection Committee (2025-26) discussed on September 08, 2025, 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 Physic (PHY) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q1 journal.
- Three applicants from the Department of Civil Engineering (CE) have applied for the FARE Fellowship. Their 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 and Q2 journal.
- One applicant from the Department of Electrical Engineering (EE) have applied for the FARE Fellowship and holds a patent with a 50% contribution, which is part of her PhD thesis work.
- One applicant from the Department of Humanities and Social Sciences (HSS) have applied for the FARE Fellowship. Her PhD thesis work has been published in Q1 journal.
- One applicant from the Department of Materials Science and Engineering (MSE) have applied for the FARE Fellowship. His PhD thesis work has been published in Q2 journal.
- One applicant from the Department of Aerospace Engineering (AE) have applied for the FARE Fellowship. His PhD thesis work has been published in Q1 journal.

### **Details:**

**Vaswati Biswas / 20109292 / PHY**

#### **Findings:**

- Title of the Paper: Multi-modal flexible and inexpensive plasmonic metasurface for wide range of refractive index sensing
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Vaswati Biswas (Applicant)
- Journal Name: Journal of Physics: Photonics
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 22-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 10 Months, 25 Days

**Shibsankar Nandi / 20103291 / CE**

**Findings:**

- Title of the Paper: Probabilistic seismic slope stability analysis adopting limiting profile approach.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Shibsankar Nandi (Applicant)
- Journal Name: Engineering Geology
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 11-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 11 Months, 15 Days

**Supriya Bajpai / 20100274 / HSS**

**Findings:**

- Title of the Paper: Consciousness as Telos: An Evo-Devo Approach.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Supriya Bajpai (Applicant)
- Journal Name: Biosemiotics
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 28-05-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 9 Months, 1 Days

**Ranjay Kumar Singh / 20101282 / AE**

**Findings:**

- Title of the Paper: Evaluating the effect of ignition energy on gaseous hydrogen–oxygen detonations.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Ranjay Kumar Singh (Applicant)
- Journal Name: International Journal of Hydrogen Energy
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 19-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 11 Months, 23 Days

**Rahul Mitra / 19206272 / MSE**

**Findings:**

- Title of the Paper: Optimal synthesis, fine-scale microstructural characterization, and property estimation of reactive-spark plasma sintered bulk multicomponent (Nb, Ti, Zr, Cr)B<sub>2</sub>.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Rahul Mitra (Applicant)
- Journal Name: Journal of Materials Research
- Journal Level: Q2 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 01-01-2020
- Date of PhD Thesis Submission: 19-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 7 Months, 18 Days

**Saloni Kumari / 20107298 / CHM**

**Findings:**

- Title of the Paper: Activation of Ethanol via Conjunction of a Photocatalyst and a HAT Reagent for the Synthesis of Benzimidazoles.

- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Saloni Kumari (Applicant)
- Journal Name: Journal of Organic Chemistry
- Journal Level: Q2 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 27-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 0 Months, 0 Days

**Garvita Dhanawat / 20107279 / CHM**

**Findings:**

- Title of the Paper: Invagination of Giant Unilamellar Vesicles upon Membrane Mixing with Native Vesicles.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Garvita Dhanawat (Applicant)
- Journal Name: ACS Omega
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 27-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 0 Months, 0 Days

**Ashesh Choudhury / 20103267 / CE**

**Findings:**

- Title of the Paper: Seismic demand amplification in earth dam by dynamic dam-reservoir interactions (DRI) under near fault pulse type ground motions.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Ashesh Choudhury (Applicant)
- Journal Name: Engineering Geology
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 27-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 0 Months, 0 Days

**Gunjan Bharti / 20104279 / EE**

**Findings:**

- Title of the Patent: System for Optimizing Traffic Control at Road Intersections and Method Thereof.
- Part of PhD Thesis Work (Yes / No): Yes
- Contribution: Gunjan Bharti 50% (Applicant)
- Patent Certificate Received (Yes / No): Yes
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 11-06-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 9 Months, 15 Days

**Arpan Hait / 20109264 / PHY**

**Findings:**

- Title of the Patent: Thermalization in the presence of a time-dependent dissipation and its impact on dark matter production
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Arpan Hait (Applicant)
- Journal Name: Journal of High Energy Physics (JHEP)
- Journal Level: Q1 (Overall)
- Published / Accepted: Published

- Date of PhD Registration: 27-08-20
- Date of PhD Thesis Submission: 01-09-25
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 0 Months, 5 Days

**Aditya / 20103264 / CE**

**Findings:**

- Title of the Paper: Benchmarking Deep Learning Architectures for Urban Vegetation Point Cloud Semantic Segmentation From MLS.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Aditya (Applicant)
- Journal Name: IEEE Transactions on Geoscience and Remote Sensing
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 28-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 0 Months, 1 Days

**Committee Decision:**

- After due deliberation, the committee recommends Vaswati Biswas / 20109292 / PHY
- After due deliberation, the committee recommends Shibsankar Nandi / 20103291 / CE
- After due deliberation, the committee recommends Supriya Bajpai / 20100274 / HSS
- After due deliberation, the committee recommends Ranjay Kumar Singh / 20101282 / AE
- After due deliberation, the committee recommends Rahul Mitra / 19206272 / MSE
- After due deliberation, the committee recommends Saloni Kumari / 20107298 / CHM
- After due deliberation, the committee recommends Garvita Dhanawat / 20107279 / CHM
- After due deliberation, the committee recommends Ashesh Choudhury / 20103267 / CE
- After due deliberation, the committee recommends Gunjan Bharti / 20104279 / EE
- After due deliberation, the committee recommends Arpan Hait / 20109264 / PHY
- After due deliberation, the committee recommends Aditya / 20103264 / CE



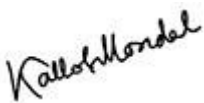
**Prof. Abheejeet Mohapatra**  
(ADAA)



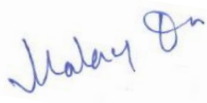
**Prof. Sudhanshu Shekhar Singh**  
(Chairperson, SPGC)



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



**Prof. Kallol Mondal**  
(MSE)



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



**Prof. Sagar Chakraborty**  
(PHY)



**Prof. Ashoke De**  
(Convener)