

## MINUTES OF THE MEETING OF FARE SELECTION COMMITTEE 2024-25

The FARE Selection Committee (2024-25) discussed on July 14, 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:**

- ◁ Four 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.
- ◁ Two applicants from the Department of Electrical Engineering (EE) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q1 journal.
- ◁ Two applicants from the Department of Mechanical Engineering (ME) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q1 journal.

### **Details:**

#### **Manorama Dey / 20107284 / CHM**

##### **Findings:**

- ◁ Title of the Paper: Synergistic Binding of SARS-CoV-2 to ACE2 and Gangliosides in Native Lipid Membranes.
- ◁ Part of PhD Thesis Work (Yes / No): Yes
- ◁ First Author: Manorama Dey (Applicant)
- ◁ Journal Name: ACS Infectious Diseases
- ◁ Journal Level: Q1 (Overall)
- ◁ Published / Accepted: Published
- ◁ Date of PhD Registration: 27-08-20
- ◁ Date of PhD Thesis Submission: 07-07-2025
- ◁ Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 10 Months, 10 Days

#### **Mukul Kumar Srivastava / 18205266 / ME**

##### **Findings:**

- ◁ Title of the Paper: Electromagnetic Shielding with CFRP Composites: Conducting Matrix Versus Conducting Fibers
- ◁ Part of PhD Thesis Work (Yes / No): Yes
- ◁ First Author: Mukul Kumar Srivastava (Applicant)
- ◁ Journal Name: Polymer composites
- ◁ Journal Level: Q1 (Overall)
- ◁ Published / Accepted: Published

Sunil / 19105278 / ME

Findings:

- < **Title of the Paper**Gait Generation of a 10Degree-of-Freedom Humanoid Robot on Deformable Terrain Based on Spherical Inverted Pendulum Model
- < **Part of PhD Thesis Work (Yes / No):** Yes
- < **First Author**Sunil (Applicant)
- < **Journal Name**Journal of Mechanisms and Robotics
- < **Journal Level: Q (Overall)**
- < **Published / Accepted:** Published
- < **Date of PhD Registration**26-07-2019
- < **Date of PhD Thesis Submission**25-06-2025
- < **Total Duration from PhD Registration to PhD Thesis Submission**5 Years, 10 Months, 30 Days

Abhijit Dutta / 19107261 / CHM

Findings:

- < **Title of the Paper**Effect of Hydrogen Bonding on Ultrafast Intersystem Crossing in 7-methylaminothiocoumarin
- < **Part of PhD Thesis Work (Yes / No):** Yes
- < **First Author**Abhijit Dutta(Applicant)
- < **Journal Name**Journal of Physical Chemistry A
- < **Journal Level: Q (Overall)**
- < **Published / Accepted:** Published
- < **Date of PhD Registration**26-07-2019
- < **Date of PhD Thesis Submission**28-05-2025
- < **Total Duration from PhD Registration to PhD Thesis Submission**5 Years, 10 Months, 2 Days

Raj Kumar / 20105291 / ME

Findings:

- < **Title of the Paper**Design and parametrization of TPMS lattice using computational and experimental approach
- < **Part of PhD Thesis Work (Yes / No):** Yes
- < **First Author**Raj Kumar(Applicant)
- < **Journal Name**Engineering Research Express
- < **Journal Level: Q (Overall)**
- < **Published / Accepted:** Published
- < **Date of PhD Registration**27-08-2020
- < **Date of PhD Thesis Submission**27-06-2025
- < **Total Duration from PhD Registration to PhD Thesis Submission**4 Years, 10 Months, 0 Days

Satysen Yadav / 20105291 / CHM

Findings:

- < **Title of the Paper**A Synthetic Route to Functionalized Thiopyran Derivatives via Domino Ring-opening Cyclization (DROC) of Donor-Acceptor Cyclopropanes with Pyridinium Thiolates
- < **Part of PhD Thesis Work (Yes / No):** Yes
- < **First Author**Satysen Yadav(Applicant)
- < **Journal Name**Journal of Organic Chemistry
- < **Journal Level: Q (Overall)**
- < **Published / Accepted:** Published
- < **Date of PhD Registration**26-07-2019
- < **Date of PhD Thesis Submission**16-06-2025
- < **Total Duration from PhD Registration to PhD Thesis Submission**5 Years, 10 Months, 21 Days

Ranjeev Kumar Parashar / 19107299 / CHM

Findings:

- < **Title of the Paper**Coexistence of Electrochromism and Bipolar Nonvolatile Memory in a Single Viologen
- < **Part of PhD Thesis Work (Yes / No):** Yes
- < **First Author**Ranjeev Kumar Parashar(Applicant)
- < **Journal Name**ACS Applied Materials and Interfaces
- < **Journal Level: Q (Overall)**
- < **Published / Accepted:** Published
- < **Date of PhD Registration**26-07-2019
- < **Date of PhD Thesis Submission**26-06-2025
- < **Total Duration from PhD Registration to PhD Thesis Submission**11 Years, 11 Months, 0 Days

Anil Rathi / 20108263 / MTH

Findings:

- < **Title of the Paper**Variational multiscale stabilized finite element analysis of transient MHD Stokes equations with application to multiply driven cavity flow
- < **Part of PhD Thesis Work (Yes / No):** Yes
- < **First Author**Anil Rathi(Applicant)
- < **Journal Name**Applied Numerical Mathematics
- < **Journal Level: Q (Overall)**
- < **Published / Accepted:** Published
- < **Date of PhD Registration**27-08-2020
- < **Date of PhD Thesis Submission**30-06-2025
- < **Total Duration from PhD Registration to PhD Thesis Submission**11 Years, 10 Months, 3 Days

Jalaj Kumar / 20104283 / EE

Findings:

- < **Title of the Paper**Harmonic Inclusion and Accurate Modeling and Performance Analysis of the IPT Topologies Under Varying Operating conditions
- < **Part of PhD Thesis Work (Yes / No):** Yes
- < **First Author**Jalaj Kumar(Applicant)
- < **Journal Name**IEEE Transactions on Industrial Electronics
- < **Journal Level: Q**
- < **Published / Accepted:** Published
- < **Date of PhD Registration**27-08-20
- < **Date of PhD Thesis Submission**18-06-25
- < **Total Duration from PhD Registration to PhD Thesis Submission**11 Years, 9 Months, 22 Days

Committee Decision:

- After due deliberation, the committee recommends Shitanshu Bajpai / 19107300 / CHM
- After due deliberation, the committee recommends Sunil / 19105278 / ME
- After due deliberation, the committee recommends Abhijit Dutta / 19107261 / CHM
- After due deliberation, the committee recommends Raj Kumar / 20105291 / ME
- After due deliberation, the committee recommends Satysen Yadav / 20105291 / CHM
- After due deliberation, the committee recommends Ranjeev Kumar Parashar / 19107299 / CHM
- After due deliberation, the committee recommends Anil Rathi / 20108263 / MTH
- After due deliberation, the committee recommends Jalaj Kumar / 20104283 / EE