

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

The FARE Selection Committee (2025-26) discussed on August 06, 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:**

- 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.
- 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.
- Six 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 Humanities and Social Sciences (HSS) have applied for the FARE Fellowship. His PhD thesis work has been published in Q2 journal.
- Five applicants from the Department of Mechanical Engineering (ME) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q1 and Q2 journal.
- Two applicants from the Department of Materials Science and Engineering (MSE) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q1 journal.
- Two applicants from the Department of Mathematics and Statistics (MTH) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q1 journal.
- Three applicants from the Department of Chemical Physics (PHY) have applied for the FARE Fellowship. Their PhD thesis work has been published in Q2 journal.
- One applicant from the Department of Biological sciences and Bioengineering (BSBE) have applied for the FARE Fellowship. His PhD thesis work has been published in Q1 journal.
- One applicant from the Department of Materials Science Programme (MSP) have applied for the FARE Fellowship. His PhD thesis work has been published in Q1 journal.
- One applicant from the Department of Cognitive Science (CGS) have applied for the FARE Fellowship. His 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. His PhD thesis work has been published in conference.

**Details:****Anupam Raj / 20106264 / MSE****Findings:**

- Title of the Paper: Hyperdoping: doping TiO<sub>2</sub> beyond thermodynamic limits using flash sintering
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Anupam Raj (Applicant)
- Journal Name: Journal of the European Ceramic Society
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 03-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 10 Months, 6 Days

**Aditya Goyal / 19102264 / CHE****Findings:**

- Title of the Paper: Rate-Enhancing role of water in H-BEA and Sn-BEA for Keto–enol tautomerization of acetone: a DFT Study
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Aditya Goyal (Applicant)
- Journal Name: Journal of Physical Chemistry C
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 17-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 21 Days

**Nikil Surya R. / 19102272 / CHE****Findings:**

- Title of the Paper: Activation of Methane in Vapor and Molten Sodium Catalyst
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Nikil Surya R. (Applicant)
- Journal Name: Journal of Physical Chemistry C
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 17-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 21 Days

**Santu Bera / 20108272 / MTH****Findings:**

- Title of the Paper: Dirichlet-type spaces of the unit bidisc and toral 2-isometries
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Nikil Surya R. (Applicant)
- Journal Name: Journal of Physical Chemistry C
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 29-04-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 8 Months, 2 Days

**Rajvikram Singh / 19102280 / CHE**

**Findings:**

- Title of the Paper: O<sub>2</sub> and CO<sub>2</sub> assisted oxidative dehydrogenation of propane using ZrO<sub>2</sub> supported vanadium and chromium oxide catalysts
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Rajvikram Singh (Applicant)
- Journal Name: Catalysis Today
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 22-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 26 Days

**Arjun Singh Patel / 19105263 / ME**

**Findings:**

- Title of the Paper: Optimally tuning an absorber for a chatter-resistant rotating slender milling tool holder
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Arjun Singh Patel (Applicant)
- Journal Name: Journal of Sound and Vibration
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 24-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 28 Days

**Manish Raj / 20105272 / ME**

**Findings:**

- Title of the Paper: An accurate and cheaper method of estimating shading and blocking losses in a heliostat field through efficient filtering, removal of double counting and parallel plane assumption.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Manish Raj (Applicant)
- Journal Name: Solar Energy
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 23-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 10 Months, 26 Days

**Pariz Pikul Gogoi / 20105272 / HSS**

**Findings:**

- Title of the Paper: Impact of the Covid-19 Pandemic on Children with Intellectual Disabilities and Their Parents: The Perspective of Parents in India
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Pariz Pikul Gogoi (Applicant)
- Journal Name: British Journal of Learning Disabilities, Wiley
- Journal Level: Q2 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 23-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 10 Months, 26 Days

**Jithin Sreekumar / 19201263 / AE**

**Findings:**

- Title of the Paper: Experimental Observations on Film Cooling Effectiveness on Aerodynamic Heating in Hypersonic Flow
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Pariz Pikul Gogoi (Applicant)
- Journal Name: Journal of Spacecraft and Rockets
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 01-01-2020
- Date of PhD Thesis Submission: 04-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 6 Months, 3 Days

**Abhijit Saha / 19107263 / CHM**

**Findings:**

- Title of the Paper: Fine-Tuning the Excited-State Dynamics of Heteroleptic Ruthenium(II) Polypyridyl Complexes with Systematic Variation of Benzazole-Substituted 8-Hydroxyquinolines
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Abhijit Saha (Applicant)
- Journal Name: ACS Inorganic Chemistry
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 24-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 28 Days

**Prabhakar Singh / 19107290 / CHM**

**Findings:**

- Title of the Paper: Ruthenium-Catalyzed Interrupted Transfer Hydrogenation: An Approach for Reductive Functionalization of Quinolinium and Naphthyridinium Salts
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Prabhakar Singh (Applicant)
- Journal Name: The Journal of organic chemistry ACS Publications
- Journal Level: Q2 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 24-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 28 Days

**Shivam Gupta / 19109873 / PHY**

**Findings:**

- Title of the Paper: Numerical and experimental investigation of static wetting morphologies of aqueous drops on lubricated slippery surfaces using a quasi-static approach.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Shivam Gupta (Applicant)
- Journal Name: Soft Matter
- Journal Level: Q2 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 04-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 8 Days

**Biswanath Maharana / 19109863 / PHY**

**Findings:**

- Title of the Paper: Gate induced metallicity and absence of superconductivity in BSTO/LCO heterostructure.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Biswanath Maharana (Applicant)
- Journal Name: Physica B: Condensed Matter
- Journal Level: Q2 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 10-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 14 Days

**Paulami Chakraborty / 19107289 / CHM**

**Findings:**

- Title of the Paper: Spin-Flip via Subtle Electronic Perturbation in Axially Ligated Diiron (III) Porphyrin Dimer
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Paulami Chakraborty (Applicant)
- Journal Name: Chemistry- A European Journal
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 24-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 28 Days

**Prachi Awasthi / 19205268 / ME**

**Findings:**

- Title of the Paper: Adsorptive removal of norfloxacin from water using polyvinylidene fluoride-boron nitride nanosheet mixed matrix membranes: Insights from experiments and molecular dynamics simulation
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Prachi Awasthi (Applicant)
- Journal Name: Journal of Environmental Chemical Engineering
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 01-01-2020
- Date of PhD Thesis Submission: 29-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 6 Months, 28 Days

**Niranjan Chatterjee / 19118272 / BSBE**

**Findings:**

- Title of the Paper: Nanocarbon-Enforced Anisotropic MusCAMLRL for Rapid Rescue of Mechanically Damaged Skeletal Muscles
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Niranjan Chatterjee (Applicant)
- Journal Name: ACS Applied Materials & Interfaces
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-19
- Date of PhD Thesis Submission: 29-07-25
- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 0 Months, 3 Days

**Diksha Srivastava / 19107274 / CHM**

**Findings:**

- Title of the Paper: Large Area Film of Highly Crystalline, Cleavable, and Transferable Semi-Conducting 2D-Imine Covalent Organic Framework on Dielectric Glass Substrate
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Diksha Srivastava (Applicant)
- Journal Name: ACS Applied Materials & Interfaces
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-19
- Date of PhD Thesis Submission: 25-07-25
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 29 Days

**Gautam Sunny Mahesh Mahesh Prasad / 19107277 / CHM**

**Findings:**

- Title of the Paper: Enhancing the electronic-coupling and conductivity of a monolayer film of ferrocenyl molecules by Pd and Cu doping
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Gautam Sunny Mahesh Mahesh Prasad (Applicant)
- Journal Name: Journal of Materials Chemistry C
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-19
- Date of PhD Thesis Submission: 24-07-25
- Total Duration from PhD Registration to PhD Thesis Submission: 5 Years, 11 Months, 28 Days

**Kapil Dev Verma / 19112261 / MSP**

**Findings:**

- Title of the Paper: Mesoporous electrode from human hair and bio-based gel polymer electrolyte for high-performance supercapacitor
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Kapil Dev Verma (Applicant)
- Journal Name: Diamond and Related Materials
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 28-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 0 Months, 2 Days

**Amita Sahu / 19105262 / ME**

**Findings:**

- Title of the Paper: Development of graphene oxide/polyvinyl pyrrolidone/poly(vinyl alcohol) composite hydrogels with improved mechanical and swelling properties for breast elastography phantom fabrication.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Amita Sahu (Applicant)
- Journal Name: Journal of Polymer Research
- Journal Level: Q2 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 29-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 0 Months, 3 Days

**Swati Mahato / 20106295 / MSE**

**Findings:**

- Title of the Paper: The role of temperature and strain on the deformation behaviour and microstructural evolution of FCC (CrFeNi)<sub>99</sub>Si<sub>1</sub> medium-entropy alloy.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Swati Mahato (Applicant)
- Journal Name: Materials Science and Engineering: A
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 01-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 11 Months, 5 Days

**Abhishek Das / 20108261 / MTH**

**Findings:**

- Title of the Paper: Generalized Casimir operators for loop Lie superalgebras.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Abhishek Das (Applicant)
- Journal Name: Canadian Mathematical Bulletin
- Journal Level: Q2 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 27-08-2020
- Date of PhD Thesis Submission: 09-05-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 4 Years, 8 Months, 12 Days

**Kuldeep Singh Negi / 19107279 / CHM**

**Findings:**

- Title of the Paper: Interplay of protein fluctuation and associated water dynamics in osmolyte-induced stabilization.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Kuldeep Singh Negi (Applicant)
- Journal Name: Biophysical Journal
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 01-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 0 Months, 6 Days

**Amit Chaudhary / 19105261 / ME**

**Findings:**

- Title of the Paper: A kinematically enriched two-scale constitutive law for modelling fibre kinking driven compressive failure in composites.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Amit Chaudhary (Applicant)
- Journal Name: Composite Structures
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 01-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 0 Months, 6 Days

**Abhishek Baba / 21128261 / CGS**

**Findings:**

- Title of the Paper: Holier-Than-Thou: Can Contextual Information About Minimal Groups Modulate the Robust Ingroup Bias Effect?
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Abhishek Baba (Applicant)
- Conference Name: Proceedings of the Annual Meeting of the Cognitive Science Society
- Published / Accepted: Published
- Date of PhD Registration: 28-07-2021
- Date of PhD Thesis Submission: 23-06-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 3 Years, 10 Months, 26 Days

**Mahammad Tahir / 18209263 / PHY**

**Findings:**

- Title of the Paper: A kinematically enriched two-scale constitutive law for modelling fibre kinking driven compressive failure in composites.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Mahammad Tahir (Applicant)
- Journal Name: Composite Structures
- Journal Level: Q1 (Overall)
- Published / Accepted: Published
- Date of PhD Registration: 03-01-2019
- Date of PhD Thesis Submission: 25-07-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 6 Months, 22 Days

**Abhishek Jaiswal / 19111262 / CSE**

**Findings:**

- Title of the Paper: Using Learnable Physics for Real-Time Exercise Form Recommendations.
- Part of PhD Thesis Work (Yes / No): Yes
- First Author: Abhishek Jaiswal (Applicant)
- Conference Name: ACM Conference on Recommender Systems
- Published / Accepted: Published
- Date of PhD Registration: 26-07-2019
- Date of PhD Thesis Submission: 01-08-2025
- Total Duration from PhD Registration to PhD Thesis Submission: 6 Years, 0 Months, 6 Days

**Committee Decision:**

- After due deliberation, the committee recommends Anupam Raj / 20106264 / MSE
- After due deliberation, the committee recommends Aditya Goyal / 19102264 / CHE
- After due deliberation, the committee recommends Nikil Surya R. / 19102272 / CHE
- After due deliberation, the committee recommends Santu Bera / 20108272 / MTH
- After due deliberation, the committee recommends Rajvikram Singh / 19102280 / CHE
- After due deliberation, the committee recommends Arjun Singh Patel / 19105263 / ME
- After due deliberation, the committee recommends Manish Raj / 20105272 / ME
- After due deliberation, the committee recommends Pariz Pikul Gogoi / 20105272 / HSS
- After due deliberation, the committee recommends Jithin Sreekumar / 19201263 / AE
- After due deliberation, the committee recommends Abhijit Saha / 19107263 / CHM
- After due deliberation, the committee recommends Prabhakar Singh / 19107290 / CHM
- After due deliberation, the committee recommends Shivam Gupta / 19109873 / PHY
- After due deliberation, the committee recommends Biswanath Maharana / 19109863 / PHY
- After due deliberation, the committee recommends Paulami Chakraborty / 19107289 / CHM
- After due deliberation, the committee recommends Prachi Awasthi / 19205268 / ME
- After due deliberation, the committee recommends Niranjana Chatterjee / 19118272 / BSBE
- After due deliberation, the committee recommends Diksha Srivastava / 19107274 / CHM
- After due deliberation, the committee recommends Gautam Sunny Mahesh Mahesh Prasad / 19107277 / CHM



- After due deliberation, the committee recommends Kapil Dev Verma / 19112261 / MSP
- After due deliberation, the committee recommends Amita Sahu / 19105262 / ME
- After due deliberation, the committee recommends Swati Mahato / 20106295 / MSE
- After due deliberation, the committee recommends Abhishek Das / 20108261 / MTH
- After due deliberation, the committee recommends Kuldeep Singh Negi / 19107279 / CHM
- After due deliberation, the committee recommends Amit Chaudhary / 19105261 / ME
- After due deliberation, the committee recommends Abhishek Baba / 21128261 / CGS
- After due deliberation, the committee recommends Mahammad Tahir / 18209263 / PHY
- After due deliberation, the committee recommends Abhishek Jaiswal / 19111262 / CSE



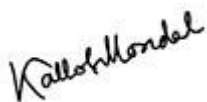
**Prof. Abheejeet Mohapatra**  
(ADAA)



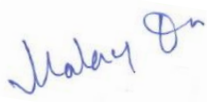
**Prof. Sudhanshu Shekhar Singh**  
(Chairperson, SPGC)



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



**Prof. Kallol Mondal**  
(MSE)



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



**Prof. Sagar Chakraborty**  
(PHY)



**Prof. Ashoke De**  
(Convener)