

# Constitution of PoWER

Revised and final

Submitted to Director IIT Kanpur

## A. Terminology used in the document:

*PoWER*: Promotion of Work Experience and Research.

*Real-life Projects*: Projects that can have application in real-life conditions.

*Clubs*: Different interest-based clubs under Students' Gymkhana, IIT Kanpur

*Societies*: Departmental/area-specific representative bodies, IIT Kanpur

*Independent Groups*: Groups not officially endorsed by Students' Gymkhana, IIT Kanpur, but still functioning independently.

*Other Organizations*: Other organizations will include institutes like IITD, IISc, IISER; research institutes like TIFR, SEC Delhi; NGOs and NPOs.

*Projects*: Projects in which students can participate.

*Interest-based Convergence*: Integration of students and industries which benefits both.

*Horizontal-Vertical Relationships*: Relationships between students from same batch (horizontal) and different batches (vertical).

*Work-Experience*: Learning and gaining experience by working on real-life projects or ideas through assistance within or outside IITK.

*Accessibility*: Freedom to use the state-of-art facilities of different labs and get appropriate assistance from people managing the lab.

*Credits*: Academic credits.

*DORD*: Dean of Research and Development, IIT Kanpur

*DOSA*: Dean of Students' Affairs, IIT Kanpur

*DOAA*: Dean of Academic Affairs, IIT Kanpur

*DRPG*: Dean of Resource Planning and Generation, IIT Kanpur

*PoWER Ambassadors*: Successful and renowned alumni and personalities who will act as brand ambassadors of PoWER

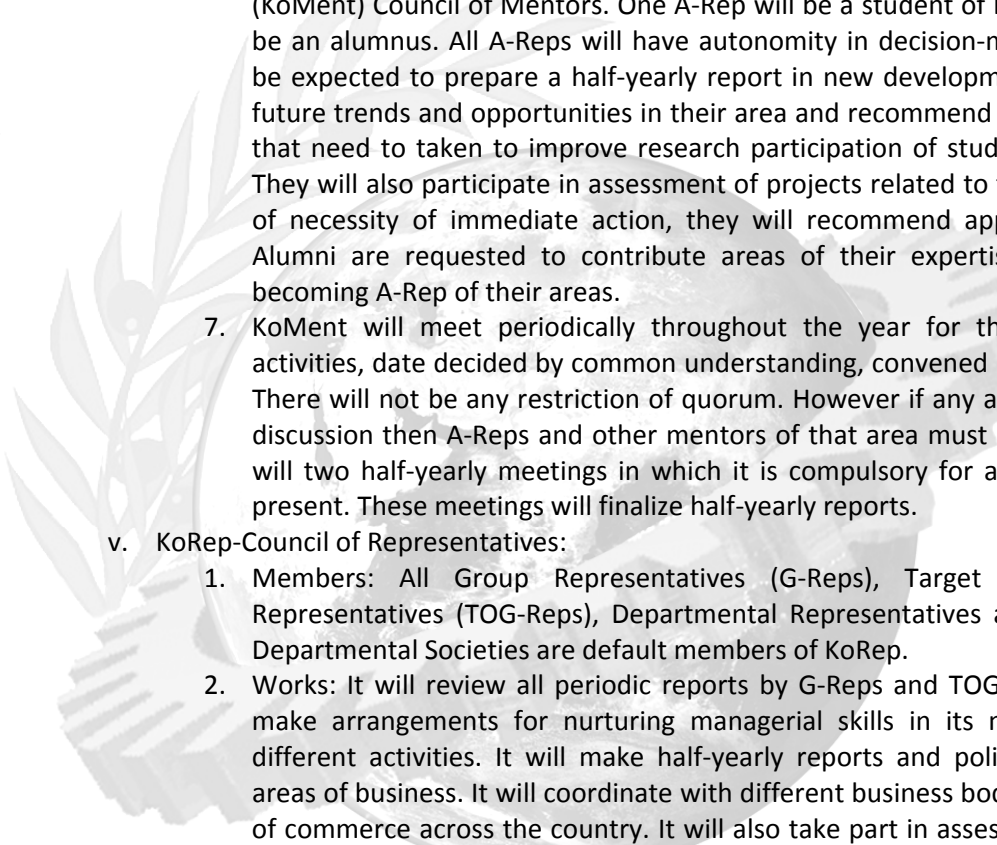
*SIIC*: A platform at IIT Kanpur to promote entrepreneurship

**B. Detailed description of Rules of Promotion of Work Experience and Research**

1. Short title, extent, commencement and application
  - a. These rules may be called the Rules of Promotion of Work-Experience and Research
  - b. In their scope and application these rules extend to all the Headquarters, all the participants and units of Promotion of Work-Experience and Research
  - c. These rules shall come into force after approval by the institute IIT Kanpur.
2. Definitions:
  - a. The body means Promotion of Work Experience and Research.
  - b. *Real-life Projects*: Projects that can have application in real-life conditions.
  - c. *Clubs*: Different interest-based clubs under Students' Gymkhana, IIT Kanpur.
  - d. *Societies*: Departmental/area-specific representative bodies, IIT Kanpur
  - e. *Independent Groups*: Groups functioning independently at IIT Kanpur.
  - f. *Other Organizations*: Other organizations will include institutes like IITs, IISc, IISER; research institutes like TIFR, SEC Delhi, DRDO, ISRO, BARC; NGOs and NPOs.
  - g. *Projects*: Projects in which students can participate.
  - h. *Interest-based Convergence*: Integration of students and industries which benefits both.
  - i. *Horizontal-Vertical Relationships*: Relationships between students from same batch (horizontal) and different batches (vertical).
  - j. *Work-Experience*: Learning and gaining experience by working on real-life projects or ideas through assistance within or outside IIT Kanpur.
  - k. *Accessibility*: Freedom to use the state-of-art facilities of different labs and get appropriate assistance from people managing the lab at IIT Kanpur.
  - l. *Credits*: Academic credits, IIT Kanpur
  - m. *DORD*: Dean of Research and Development, IIT Kanpur
  - n. *DOSA*: Dean of Students' Affairs, IIT Kanpur
  - o. *DOAA*: Dean of Academic Affairs, IIT Kanpur
  - p. *DRPG*: Dean of Resource Planning and Generation, IIT Kanpur
  - q. *PoWER Ambassadors*: Successful and renowned alumni of IIT Kanpur and personalities who will act as brand ambassadors of PoWER.
  - r. *SIDBI INNOVATION AND INCUBATION CENTER*: A platform at IIT Kanpur to promote technical entrepreneurship.
  - s. *Group*: A group is an autonomous body comprising of people (student, faculty, may be alumni also) either having similar interests or working on a common project.
  - t. *Target Oriented Group (TOG)*: For any sponsored/time-bound project, a group will be formed after selection of students for that project, called Target Oriented Group TOG.
  - u. *Institute*: Institute means Indian Institute of Technology, Kanpur.
  - v. *Body*: Body refers to Promotion of Work Experience and Research, IIT Kanpur.
  - w. *IRDC*: Institute Research and development Committee
3. Headquarters of the Body: The office of the Body shall be situated at the Indian Institute of Technology, Kanpur.
4. Membership of Body:
  - a. All students, faculty, research scholars, research associates, lab in charge, post doctoral, alumni, and staff of IIT Kanpur who (the person) registers to be a part of PoWER.
  - b. Dean, Research and Development, IIT Kanpur.

5. Register of members: The Body shall maintain a database of members indicating their full names, addresses and occupations and every member shall sign the same. If a Member of the Body changes his address, he shall notify his new address to the Body, who shall have the entry in the roll of members changed accordingly. Where, however, a member does not notify any change of address to the Body, his address as given in the roll of members, shall be deemed to be his correct address.
6. Determination of ex-officio membership: Where a person becomes a member of the Body by virtue of his office or appointment which he holds, his membership of the Body due to holding that post shall terminate when he ceases to hold that office or appointment.
7. Determination of membership:
  - a. A person joining the institute is by default entitled to become its member.
  - b. Membership can be terminated by the common resolution by the Nucleolus.
  - c. Membership of the Body shall be determined on the happening of any of the following events :-
    - i) On the expiry of the period of membership for which nominated,
    - ii) Death, resignation, insolvency, lunacy or conviction for a criminal offence, involving moral turpitude
8. Term of membership: Based on Rules 4, 5, 6 and 7, a member will be decided. There is a separate discussion regarding members of Nucleolus and their membership.
9. Filling of a casual vacancy and its term: If a casual vacancy arises due to vacancy of the post which makes the person a default member of the Body then Body will work with the in-charge of that post. However if there is vacancy then Rules 4, 5, 6, 7 will decide the membership.
10. Resignation from membership and date of its effect: When a member desires to resign his/her membership of the Body, he/she shall forward his/her letter of resignation to the respective body/group/team of which (s) he is a member. The head of the respective body/group/team shall forthwith recommend the same for the consideration of the Nucleolus. The resignation shall take effect from the date of its acceptance by the Nucleolus.
11. Validation of Acts: The Body shall function notwithstanding any vacancy in its body and no act, direction or proceeding of the Body shall be invalid merely by reason of such vacancy or any defect in the appointment of any of its members.
12. Mandate of PoWER:
  - a.
    - i) Formulation of policy statements and guidelines for student research and technology development
    - ii) Co-ordination of areas of Science & Technology in which a number of students have interests and capabilities
  - b.
    - i) Support to basic and applied research and technology development
    - ii) Support minimum Infrastructural facilities for Testing & Instrumentation
  - c. Technology Development and Commercialization
  - d. Autonomous Research Groups
  - e. Fostering National and International Cooperation in S&T at student level
  - f. Socially oriented S&T interventions for rural & weaker sections
  - g. Support Science & Technology Entrepreneurship Development for promotion of knowledge Based Technology Driven Entrepreneurs
  - h. Popularization of Science & Technology
  - i. Promotion and Development of S&T
  - j. Management of Information Systems for Science & Technology

13. The following shall be the authorities of the Body:
  - a. Chairman (Dean, Research and Development, IIT Kanpur)
  - b. A group of faculty advisor, members: at least two faculty and Convener, Institute Research and Development Committee.
  - c. All wings, bodies, groups, teams, committees, panels as may be registered to be a part of PoWER.
14. Principal Executive Officer: The Chairman shall be the principal Executive of the Body.
15. Appointment of the officers/staff: They shall be appointed from time to time by the authority competent under these rules to make such appointments, Group representatives, team representatives, Presidents of different sub-councils and any such other officers as may be required to assist the Chairman, faculty advisors and/or officers subordinate to them for carrying out the objects set forth for the Body.
16. Powers of the Body: The objectives set forth for the Body are central in taking any decision or allowing any external interference as PoWER intends to be independent in all its deeds and decision-making.
17. Review of progress and performance of the constituent units:
  - a. Every group/Target Oriented Group formed under PoWER shall submit progress report periodically.
  - b. There will be at least a review once in 6 months to assess the progress and performance of all constituent units of the body along with the review of every group/Target Oriented Group periodically.
  - c. PoWER shall release half-yearly report of all its activities, progress, performance and plans.
18. Notice of meeting etc:
  - a. A notice or any other information may be served upon a member of the Body either personally or by sending it through post/e-mail in an envelope/e-mail-id addressed to such member at his address as noted in the roll of members or posted in other sources of information like website.
19. Nucleus: It will be the name of the organizing body in the institute which will conduct all the activities of PoWER. It will have four Wings:
  - a. Assessment Wing:
    - i. Assessment Wing will comprise experts from all technical, managerial and other fields in which PoWER strives to work.
    - ii. Works:
      - \* Mentor, assess and recommend projects.
      - \* Train students for future technology and business leadership.
      - \* Make policies for the potential areas of technology and business.
      - \* Do everything to attain the targets mentioned in the mandate.
  - iii. It will have two Councils namely: KoMent (Council of Mentors) and KoRep (Council of Representatives).
  - iv. KoMent- Council of Mentors:
    1. Members: All mentors of a group registered under PoWER, faculty, all experts, semi-experts, PhD scholars, post-doctoral, UG, PG, alumni and expert people from outside the institute who want to be a part of PoWER.
    2. Works: It will assess all incoming projects, provide technical expertise, identify and make policies for potential areas of business and technology, envision the future technological trends and make the members aware. It will also look into the challenges and problems in mentoring projects.
    3. It will also provide training to members to become future technology leaders.

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4. President: A president will be elected from among the mentors. He will represent KoMent in the Nucleolus. He will assist all mentors in making decisions and his role is much sort of advisory.
  5. Vice-President: KoMent will have a Vice-President elected from among members to assist President in his/her activities. (S)He will convene all meetings of KoMent. (S)He will act as President in his/her absence.
  6. A-Rep (Area Representative): Every technical/managerial area in which IITK specializes or area in which PoWER works will have two Area Representatives who will coordinate works going on in that area. They will be default member of (KoMent) Council of Mentors. One A-Rep will be a student of IITK and other will be an alumnus. All A-Reps will have autonomy in decision-making. A-Rep will be expected to prepare a half-yearly report in new developments, current and future trends and opportunities in their area and recommend appropriate steps that need to taken to improve research participation of students in that area. They will also participate in assessment of projects related to their area. In case of necessity of immediate action, they will recommend appropriate actions. Alumni are requested to contribute areas of their expertise or interest by becoming A-Rep of their areas.
  7. KoMent will meet periodically throughout the year for the disposal of its activities, date decided by common understanding, convened by Vice-President. There will not be any restriction of quorum. However if any area is the topic of discussion then A-Reps and other mentors of that area must be present. There will two half-yearly meetings in which it is compulsory for all members to be present. These meetings will finalize half-yearly reports.

v. KoRep-Council of Representatives:

1. Members: All Group Representatives (G-Reps), Target Oriented Group Representatives (TOG-Reps), Departmental Representatives and Presidents of Departmental Societies are default members of KoRep.
2. Works: It will review all periodic reports by G-Reps and TOG-Reps. It will also make arrangements for nurturing managerial skills in its members through different activities. It will make half-yearly reports and policies for potential areas of business. It will coordinate with different business bodies like chambers of commerce across the country. It will also take part in assessment of projects and policies.
3. President: KoRep will have a President elected from among members. (S)He will represent KoRep in Nucleolus. (S)He will assist all G-Reps and TOG-Reps in making decisions and his/her role is much sort of advisory.
4. Vice-President: KoRep will have a Vice-President elected from among members to assist President in his/her activities. (S)He will convene all meetings of KoRep. (S)He will act as President in his/her absence.
5. Group and TOG (Target Oriented Group): PoWER will try to make permanent area-based groups in all areas of business, technology and humanities. Interested and eligible person can join the group by being a member of the institute. A TOG will be formed for a sponsored and/or time-bound Project after selecting the interested and eligible. The selection process will be transparent, skill-based and case-specific. All groups and TOG will have a Representative elected from among group members. (S)He will represent the group, coordinate its activities, submit fortnightly reports, and will be expected to fulfill the targets

and expectations of the Group/TOG. Members of a Group or TOG are expected to have a minimum respectable academic performance and it will be strictly ensured that academics is not hampered by activities of PoWER. All Groups and TOGs must have a proper documentation of their works that can be in public domain within the limits of legalities. However they have to ensure complete documentation of all their works including their challenges and solutions for the concern of PoWER, sponsor and the institute. PoWER will ensure the non-proliferation of all information and knowledge created under it. In case they are needed by a third party then it will be done with the consent of the creators, sponsors and the institute. All will have stakes in the information and intellectual properties created by them. PoWER will also provide support and infrastructure to Groups and TOGs to protect their IPRs. For these issues there will be a team under Corporate Wing that will work in coordination with KoRep and KoMent.

6. KoRep will meet periodically convened by Vice-President to discuss activities, plans, and make their review. It will also publish half-yearly reports.
- vi. All members of assessment wing will meet twice a year to discuss the issues of technology and business together.
- b. Corporate Wing:
  - i. It will be the corporate face of PoWER.
  - ii. Works: It will interact with industries, alumni and other institutes and get projects and sponsorship for PoWER through different teams. It will also have teams for fund management and IPR (and legal) issues. Member alumni and successful people from outside the institute will be honored as PoWER Ambassadors who will help it to become a popular body among industries and outside agencies.
- c. Dissemination Wing:
  - i. It will disseminate information related to PoWER through its website, a newsletter, a mass media division, a poster division and some publications. It will also try to coordinate with different dissemination media to make the process more efficient.
  - ii. It will be the nodal point for the information collecting, processing and publishing.
- d. Nucleolus:
  1. Nucleolus will be the topmost body to coordinate all the activities of Nucleus.
  2. Members, Works, Meetings and Posts:  
Members of Nucleolus shall be:

DORD (Chairman)

Convener, Institute Research and Development Committee

Faculty Advisor

Faculty Advisor

DRPG Nominee (alumni representative)

SIIC Nominee

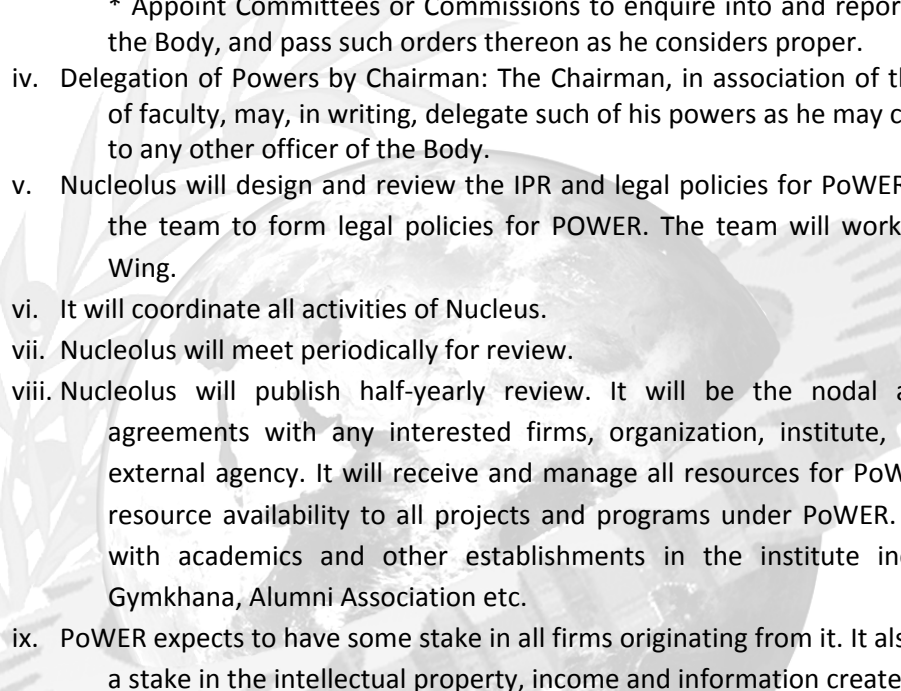
DOSA Nominee (General Secretary Science and Technology Council)

President and Vice-President KoMent (Council of Mentors)

President and Vice-President KoRep (Council of Representatives)

Representative Corporate Wing

Representative Dissemination Wing

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- i. It will be headed by a Chairman, assisted by an advisory group comprising of at least two faculty and Convener, Institute Research and Development Committee.
  - ii. Chairman would be DORD, Dean of Research and Development, IIT Kanpur
  - iii. Chairman: The Chairman, in association of the advisory group of faculty, shall exercise such powers for the conduct of the business of the Body as may be vested in him by the Body. In addition, the Chairman, in association of the advisory group of faculty shall have powers to :
    - \* Review periodically the work and progress of the Body,
    - \* Appoint Committees or Commissions to enquire into and report on the affairs of the Body, and pass such orders thereon as he considers proper.
  - iv. Delegation of Powers by Chairman: The Chairman, in association of the advisory group of faculty, may, in writing, delegate such of his powers as he may consider necessary to any other officer of the Body.
  - v. Nucleolus will design and review the IPR and legal policies for PoWER. SIIC will mentor the team to form legal policies for POWER. The team will work under Corporate Wing.
  - vi. It will coordinate all activities of Nucleus.
  - vii. Nucleolus will meet periodically for review.
  - viii. Nucleolus will publish half-yearly review. It will be the nodal authority to sign agreements with any interested firms, organization, institute, university or any external agency. It will receive and manage all resources for PoWER. It will ensure resource availability to all projects and programs under PoWER. It will coordinate with academics and other establishments in the institute including Students' Gymkhana, Alumni Association etc.
  - ix. PoWER expects to have some stake in all firms originating from it. It also expects to have a stake in the intellectual property, income and information created under it.