IIT KANPUR VISION 2020
(DRAFT 2.0)

By
IITK 2020 Alumni Team
AGENDA

- Vision for the Institute
- Strategies for achieving the Vision
- Metrics by which we will measure success
- Your feedback, buy-in
- Next steps
VISION

IITK to attain and sustain a position amongst the top 20 educational institutions globally in 20 years.

As measured by the quality of:

- Graduating students
- Faculty, and
- Research products
STRATEGIES

1. Transform IIT Kanpur to become an aspirational destination for students and faculty globally
   - Attract, nurture and retain world class faculty
   - Improve Global Diversity and quality of student population at the UG and Grad level
   - Have complete operational and financial control
   - One of the top destinations for World Class organizations to recruit talent from.

2. Develop Centers of excellence recognized globally

3. Enhance industry and institution partnerships

4. Increase alumni engagement with the institute
STRATEGY #1

"Transform IIT Kanpur to become an aspirational destination for students and faculty globally."
ATTRACTION, NURTURE AND RETAIN WORLD CLASS FACULTY

- IITK should aspire to be global in size to become world-class
- Provide performance based compensation that is competitive to what is being offered by industry with much greater autonomy
- Increase R&D funding, and develop resources and organization
- Benchmark with the best and develop a professionally managed faculty hiring process
- Build relationships with Ph.D. producing global faculty:
  - to serve as selection committee members - they could eventually become good providers of leads for IIT,K hiring
  - to be collaborators in research
  - to be visiting faculty

Metrics
1. Get to full sanctioned faculty strength in 5 years
2. Each department has 2-3 well defined focus areas for research
3. Each faculty member offers a research seminar level course once a year
4. Each faculty member has at least one collaboration, industrial or academic with a leading (globally recognized) organization.
IMPROVE GLOBAL DIVERSITY AND QUALITY OF STUDENT POPULATION AT UG AND GRAD LEVEL

- Flexible, forward-looking curriculum
- Attract students from all over India, not just from a few states
- Scholarships/Ad hoc grants & flexible admissions process to attract post graduate students
- Create programs that students need (e.g. a 5-year combined Engineering and Business program - B.Tech, MBA)
- Implement and provide report on teacher surveys
- Implement exchange programs with foreign universities

Metrics:
1. Percentage of students from outside the "northern belt" increased to 50%
2. 10% students are foreign students each semester in 5 years
3. Teacher-satisfaction surveys show an improvement in student satisfaction from current levels
4. 30% of top 200 JEE rank students choose IIT,K in 5 years
HAVE COMPLETE OPERATIONAL AND FINANCIAL CONTROL

- Create new and/or update Governance models and processes that provide much greater autonomy at all levels
- Professionally manage infrastructure and systems
- Develop metrics and monitor progress in teaching, R&D, impact, cost efficiency, etc.

- Become one of the top destinations for World Class organizations to recruit talent from.
STRATEGY #2
ENHANCE INDUSTRY AND INSTITUTION PARTNERSHIP

- Identify top 5 areas of core competencies where industry and institute partnership can bring global recognition for excellence.
- Leverage alumni and other resources to accelerate the partnerships and investments.
- Leverage these partnerships to attract top tier Ph.D students, recruit faculty and conduct advanced research.
- Market IIT,K/Industry partnership success within India and to the world
- Develop metrics and track progress

Metrics
1. Ten fold increase in industry/Institute partnerships by 2020
2. Recognition through publications, conferences, awards, etc.
STRATEGY #3
INCREASE ALUMNI ENGAGEMENT WITH THE INSTITUTE

- Create a new Governance Model including Global Alumni Council with a goal to raise funds and contribute to development of programs at IITK. Create Foundation like structures in different countries (or group of countries).
- Mentoring of students by alumni
- Establish Alumni Faculty Research Network. Leverage this network for improving research standards and for recruitment of top-tier faculty.
- Raise funds from alumni.
- Track and Enhance Value of Alumni visits to IITK

Metrics:
1. Raise Rs. 100Crores ($25M) by 2020
2. New Governance Model for alumni engagement in place by YE 2010
STRATEGY #4
DEVELOP CENTERS OF EXCELLENCE RECOGNIZED GLOBALLY

- Identify 5 technology areas for CoEs which hold potential for reaching global recognition in next 10 years
- Each CoE must have a clearly articulated vision to enable alignment in strategies, processes and hiring practices across the entire institute.
- Implement strong governance processes and provide adequate authority.
- Leverage alumni and industry funding to nurture CoEs

Suggested metrics.
1. Publications in international journals
2. Intellectual property developed and acquired by global institutions
3. Level of external funding attracted from across the world
4. Global job placement rates of graduates in the domain of CoE
YOUR FEEDBACK

- Does this make sense to you?
- Do you see any show stoppers?
- Any feedback on content?
NEXT STEPS

- Review and seek feedback from:
  - Alumni across the globe (between now and 1Q 2010)
  - IIT/K Board of Governors (Jan. 2010)
  - IIT/K Faculty (Jan. 2010)

- Form Teams of Faculty, alumni and other stakeholders to refine and provide more details on strategies and metrics

- Assign responsibilities, begin implementation and monitor progress.
BACK UP SLIDES

- Global Alumni Council Proposal
GLOBAL ALUMNI COUNCIL

Evolve Foundation to a Global entity over next 10 years.

1. The structure will have two tiers: (1) Global Alumni Council (2) Country Specific Foundations.
2. Create a global umbrella organizational entity with goals to launch and coordinate global initiatives – Global Alumni Council (GAC)
3. Each country can have its own Foundation which will have local goals but collaborate with the GAC to achieve overall Mission.
GLOBAL ALUMNI COUNCIL (CONT’D)

Each Country Foundation will bring in their own pool of distinguished alumni and chapter leaders (Country Alumni Council - CAC). They will help achieve local country goals. The Country Foundations will have following responsibilities:

1. Create and manage programs through country alumni council (CAC) to achieve Country Goals.
2. Raise funds
3. Provide inputs to GAC as required
Changes from V1

- Slide 4 Strategies: Added a fourth bullet under strategy #1

- Slide 6: Second bullet emphasizes the need for greater autonomy. Fifth bullet - changed 'foreign' to global.

- Metrics - under metric #4 eliminated emphasis on foreign collaboration.

- Slide 7: Changes to third bullet to reflect emphasis on post graduate students.

- Slide 8: Bullet #1 - Added emphasis on autonomy. Added a new bullet focused on recruiting talent from IIT/K.