ANNOUNCEMENT

LEADERSHIP FOR ACADEMICIANS PROGRAM
(*LEAP*)

BY

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
KANPUR 208016 INDIA

SUPPORTED BY

MINISTRY OF HUMAN RESOURCES DEVELOPMENT
GOVERNMENT OF INDIA

EVENT DATES

AT IIT KANPUR: 19TH NOVEMBER - 30TH NOVEMBER 2018
AT NTU-SINGAPORE: 3RD DECEMBER – 8TH DECEMBER 2018

AIMS AND OBJECTIVES

Higher education in India has seen massive expansion in the past two decades. The increase can be seen in the form of number of institutes, the student population in each institute, class size, faculty strength and the operating budget. Expectations have become exceedingly high with the faculty expected to provide innovations of relevance to the society while continuing to push the boundaries of knowledge through scholarly research. Students are expected to be profession-ready while becoming entrepreneurs themselves, both in the short run as well as the long run. The institute is expected to house and develop the latest of facilities, thus enabling all-round creativity among its stake-holders. These developments demand a re-working of the institute structure and inter-personal interactions. The informal spirit of the previous generation is no longer acceptable and definite formalism is in order.

Leading IITs and NITs continue to appoint high-achieving scholars as administrators at the levels of Heads, Deans and other important positions. The administrator must continuously communicate with the faculty, staff, and students on their respective roles and responsibilities, institutional goals, and the means available to fulfill their objectives. The issue of competition within the institute and across institutes, within national boundaries and beyond cannot be ignored. It should be clear that an academic scholar may not be an automatic fit for such positions unless the individual is provided additional training sessions and exposure in a suitable ambience.

The leadership program proposed here is intended for the second level leadership in major government-held technology institutes. The goal of the program is to sensitize the participants of the need to address the issue of good governance and responsibility in a manner that will generate an enabling environment for the practitioners of the trade – students and faculty, to perform and flourish, and take their respective organizations to greater heights of performance.

PARTICIPANTS

Faculty holding the position of Deans or equivalent and Heads of major departments in old and new IITs, NITs, and CFTIs are eligible. Government officials closely connected with technology education can also be considered. A group of 30 participants, each nominated by the respective institutes and selected by MHRD will forma class. Travel within and outside the country as well as local hospitality will be borne by the organizers.

COURSE CONTENTS

1. Goals of good governance; guarantee of quality, effectiveness, efficiency
2. Consequences of bad governance
3. Why are leadership and governance connected in the context of technical education
4. What is governance? Transparency, fair play, accountability, autonomy, lifestyle
5. Stakeholders who will practice leadership and good governance: BOG, Director, Deans, Heads of Departments.
6. Centrally-funded versus privately run Universities: differences and similarities
7. **Students**: Impact of good governance, mainly on students who stand to gain the most. Faculty will enjoy the benefits of autonomy and freedom and will pass it on to the students in the form of content and skills delivered.
8. Governance is not a substitute for – infrastructure (example, workshop, computer center, library); it does not generate revenue but creates the ambience for it; leadership ensures appropriate course content received by students.
9. Good governance and leadership influences motivation, excellence, fair play, and the desire to do well at the individual level.
10. Values to be acquired and nurtured
11. Impact of good governance: allocation of financial and other resources, rewards, new directions and strategy, new programs, employability and skill sets of students
12. Performance review (**students**): placement statistics, employer feedback, grades and exam performance, publications, entrepreneurship
13. Performance review (**faculty**): journal publications, books, projects, technology developed and transferred, new courses, outreach activity
14. International practices explaining accountability versus autonomy
15. Bottlenecks in the Indian context; improvements possible at the Institute level
16. Values and ethics: Plagiarism, caste and community related incidents, sexual harassment

BRAIN STORMING SESSION: The last hour of every day will be a non-hierarchical discussion among all participants, guest faculty and the organizing faculty on case studies of success stories as well as topics discussed earlier in the day.

At NTU-S

The sessions here will focus on building world-class universities, pedagogy and infrastructure.

LECTURE-WISE PROGRAM [FIRST WEEK]

	900-1030AM	11-1230PM	2-330PM	4-530PM	
MONDAY academic leadership and	INAUGURATION AND KEYNOTE	role of a Director	roles of Heads and Deans	What is leadership	ROUND-TABLE
TUESDAY technical education	scaling, quality, quantity	technology tools for effective communication	faculty and student evaluation	CASE STUDIES	REPORT PREPARATION
WEDNESDAY computers and IT	INVITED LECTURE	computers and education	the fourth revolution	CASE STUDIES	ROUND TABLE
THURSDAY building global institutes and brands	teaching perspective	research perspective	governance of a large institute	CASE STUDIES	FIELD VISIT
FRIDAY scaling up sponsored research	connecting with the nation	futuristic research	research infrastructure	biosciences and biomedical research	TESTS AND DISCUSSIONS
SATURDAY Fiscal matters	productivity and awareness	technology and economy			

LECTURE-WISE PROGRAM [SECOND WEEK]

	900-1030AM	11-1230PM	2-330PM	4-530PM	
MONDAY National needs and priorities	KEYNOTE	academic and corporate research	publicly funded institutes	CASE STUDIES	NETWORKING INCLUDING Q&A
TUESDAY Accreditation and international practices	standardization in UG and PG education; doctoral research standards	US, Europe, and Japan compared with India	rankings	CASE STUDIES	NETWORKING
WEDNESDAY Innovation	institutionalizing innovation	infrastructure for innovation	managing innovation	CASE STUDIES	FIELD VISIT FLIGHT LAB
THURSDAY Entrepreneurship	promoting entrepreneurship	sustaining entrepreneurship	creating technologies for non-profit entrepreneurship	CASE STUDIES	FIELD VISIT-INNOVATION
FRIDAY Governance	rules and regulations	fiscal policy and discipline	education for the under-privileged	PROJECT WORK	TESTS AND DISCUSSIONS
SATURDAY Values	plagiarism and ethics	VALEDICTORY SESSION AND CLOSURE			

RESOURCE PERSONS

Leading experts from the academia and industry, from within the country and abroad will be invited to deliver the lectures.

EVALUATION

Participants will be evaluated periodically through tests and projects.

About IIT Kanpur

Indian Institute of Technology Kanpur is an educational and research institute funded by the Ministry of Human Resource Development (MHRD), Government of India. Over the past six decades, IIT Kanpur has emerged as an institution of excellence that relates closely to the needs of the country. These goals have been achieved through a meaningful education program, original research of the highest standard and leadership in various spheres of technology. With path-breaking innovation in both its curriculum and research, IIT Kanpur has gained considerable reputation among its peers.

IIT Kanpur has 15 departments viz. Aerospace Engineering, Biological Sciences and Bioengineering, Chemical Engineering, Civil Engineering, Computer Science and Engineering, Earth Sciences, Economic Sciences, Electrical Engineering, Industrial Management and Engineering, Materials Science and Engineering, Mechanical Engineering, Humanities and Social Sciences Chemistry, Mathematics & Statistics, and Physics. Five interdisciplinary programs at the graduate level are also available, specifically, Lasers and Photonics, Materials Science, Nuclear Engineering, Design, and Cognitive Sciences.

IIT Kanpur has strong industry bonds and has partners around the world. These connections have been possible owing to reputation enjoyed by the Institute as well as the enabling environment prevailing within the academic space. For example, the UAV initiative on unmanned aerial vehicles is close to adoption by the industry. The DEITY-sponsored project on flexible electronics is a futuristic initiative that functions as a nodal point to bring academia, industry and public research organizations under one umbrella for research in large area flexible electronics. The center simultaneously supports research with the academia and develops products for the industry. Students benefit from such collaborations that impact their intellectual growth, thus helping realize their true potential. The nanosatellite project named Jugnu launched with the help of ISRO is an example. Others include Abhyast (with Boeing), an unmanned ground vehicle project and a lunar rover.

With long experience in initiating and conducting major projects of significance, IIT Kanpur is well-placed to conduct the leadership program for academic administrators.

Contact: Professor K. Muralidhar
Dean of Faculty Affairs
Indian Institute of Technology Kanpur
Kanpur 208016 India
Email: kmurli@iitk.ac.in