Peer Review Report
Centre for Educational Technology

Section A: Departmental activities

Emerging need of educational technology is vital to solving many of our current educational challenges. Efforts are being made to enhance the scope of development and effective deployment of educational technology with the hallmark quality of IIT Kharagpur. The Centre for Educational Technology (CET) has been playing a pioneering role in promoting technology-enhanced learning and distance education by combining appropriate teaching-learning strategies with advanced technology tools.

CET has also initiated M.Tech and Ph. D programs in both, areas related to educational pedagogy and development of appropriate technology. Research scholars are already working in both the areas.

In the beginning CET has developed an off-campus distance education programme called Elnet-3L. The course was highly successful and on the basis of this model the NPTEL programme was formulated under the National Mission on Education through Information and Communication Technology (NME-ICT) of MHRD. The mandate of NPTEL has been to produce web-based and video-based courses in all disciplines of engineering education existing in most of the engineering colleges in the country. Around 800 courses are to be created in the two phases of the project, of which IIT Kharagpur alone has already contributed around 126 courses under.

The Centre has also embarked upon various projects related to Educational Technology that are unique in the country. For example designing and developing an outcome-based curriculum document covering a sample list of core engineering courses at bachelor's level, in selected disciplines, involving a very large number of eminent faculty members and experts spread across the country. The pilot phase of the project is already completed and main phase of the project started recently. More than 200 outcome-based course curriculums of core engineering at bachelor's level, in selected disciplines will be developed under the main phase project.

The centre is also perusing distance education projects which extend the expertise of IIT faculty to students outside the IIT system.

A.1. Number of faculty members: 3

A.2. Number of Technical Staff: 2

A.3. Teaching Program

Program Title	Duration	Capacity	Number of Students in second year	No of students received degree in the last five years
M.Tech Programme in "**Media and Sound Engineering**"	2 Years	15	5	20

A.4. Research Program:

a. No of PhD students enrolled: 9
b. No of PhD degree recipients (last convocation): 1
c. No of PhD degree recipients (last 5 years):1
d. No of months to complete PhD (5 years average): 54 months

No of Research papers		No of Sponsored projects		No of Consultancies and total values	
2011-12	Last 5 yrs	2011-12	Last 5 yrs	2011-12	Last 5 yrs
20	38	3	3		

No of patents		No of technology transfer		
2011-12	Last 5 years	2011-12	Last 5 years	
Nil	Nil	Nil		

No of short term course organized (last 5 years)	No of conference/workshop organized (last 5 years)	No of video/web courses developed (last 5 years)	No of books published (last 5 years)
3	21	252	4

A.5. Faculty recognition: (should only include the major achievements)

Fellowship of National / International Academies

	Name of the Academy	Name of the fellow
1.	Fellow of Japan Society for the Promotion of Science(2010)	Dr. Shyamal Kr. Das Mandal

Fellowship of Professional Bodies

	Name of the Professional body	Name of the fellow
1.		
2.		
3.		

International Awards

	Name of the Award	Name of the Awardee
1.		
2.		
3.		

National Awards

	Name of the Award	Name of the Awardee
1.	National award of Young IT Professional in 2003, Awarded by Computer Society of India (CSI)	Dr. Shyamal Kr. Das Mandal
2.	National award of "TI DSP Challenge" in 1997, Awarded by Texas Instruments (TI), India	Dr. Shyamal Kr. Das Mandal