

Indian Institute of Technology Guwahati

External Peer Review 2014

Evaluation Report


May 08, 2014


Qualitative Evaluation


Item No.	Item Description	Assessment by the evaluators (circle the one which is most appropriate)	Remarks
A1	Infrastructure	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	
A2	Finance	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	
A3	Curriculum and Courses offered	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	
A4	Research Activities	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	
A5	Motivational environments for academic works	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	
A6	Faculty Development Programme	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	
A7	Academic Collaboration (National / International)	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	
A8	Personality Development Programme for students	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	
A9	External stakeholder engagement	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	
A10	Participation in Institute's Administration and other Activities	Excellent/Very Good/Good/Satisfactory/ Not satisfactory	

Excellent: 91-100; Very Good: 81-90; Good: 71-80; Satisfactory: 51-70; Not satisfactory: <51

  
(Prof. Amitabha Ghosh)\*

  
(Prof. D. V. Singh)

  
(Prof. B. N. Suresh)

  
(Dr. P. Satyamurthy)

  
(Mr. Dipak Chakravarty)

## Quantitative Evaluation

Marks (out of 100) obtained against each major item (1-10) above is  $A_i$ , Weightage of each major item is  $W_i$

Total marks out of 100 is  $\sum_{i=1}^{10} W_i A_i$

( $W_1 = 0.15, W_2 = 0.15, W_3 = 0.15, W_4 = 0.15, W_5 = 0.10, W_6 = 0.10, W_7 = 0.05, W_8 = 0.05, W_9 = 0.05, W_{10} = 0.05$ )

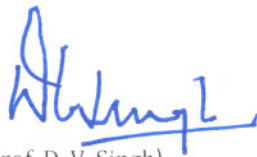
### Evaluation Matrix (Filled with Full Marks)

$W_i A_i$		Total	a	b	c	d	e	f	g	h	i	J	k	l	m	n	o	p	q	
15	14	A1	100	24	23	23	23													
15	14	A2	100	28	47	9	9													
15	14	A3	100	24	15	9	9	4	9	5	9	9								
15	14	A4	100	9.5	9	10	4.5	9.5	9	4.5	9.5	4.5	4.5	5	4.5	4.5	4.5			
10	8	A5	100	4	4	4	4	4	4	4	4	4	4	8	4	8	4	4	4	8
10	8	A6	100	4	8	8	8	4	4	4	12	12	4	4	4	4				
5	4	A7	100	16	16	16	16	16												
5	3.5	A8	100	18	17	18	17													
5	3.5	A9	100	7	14	14	7	7	7	14										
5	4	A10	100	80																
$\sum_{i=1}^{10} W_i A_i = 100$																				

Total 87



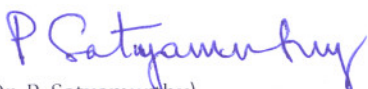
(Prof. Amitabha Ghosh)



(Prof. D. V. Singh)



(Prof. B. N. Suresh)



(Dr. P. Satyamurthy)



(Mr. Dipak Chakravarty)

## SUMMARY of ASSESSMENT

**Overall Qualitative Evaluation:** IIT Guwahati is a fast growing Institute with excellent academic and physical infrastructure with a very good ambience. Its primary asset is the young, and enthusiastic faculty with good academic credentials.

**Overall Quantitative Evaluation:**

87% - very good

**Additional Comments (on the strengths and weaknesses of the program):**

- IIT Guwahati has made very good progress and has the potential to achieve still higher level of academic excellence.
- The Institute has excellent infrastructural facilities
- The teaching faculty is young and motivated; but many of them may need mentoring
- The Institute should give more attention to the teaching of core engineering subjects and to the conduct of examination so that examination questions do not repeat in a routine manner.
- The administration of the 'elective - course system' needs improvement to make the elective system more effective.
- Some departments like Biotechnology, Electronics and Electrical Engineering need more space.
- Course work for some Ph.D programmes is ineffective because of the lack of higher level relevant courses.
- The senior faculty members should be encouraged to become fellows of academies in more numbers. The younger ones should strive for achieving higher level of academic excellence resulting in peer recognition in the form of prestigious national awards
- Serious consideration should be given to starting 5yr Int. MSc programmes in the 3 science departments.

**Overall Recommendation:**

- Economics should be made a compulsory course for all undergraduate students. Some provision for value and ethics education is desirable.

1. The Institute is growing very fast, but care should be taken to enhance the quality of academics to a high level.
2. Niche R&D areas should be identified by the departments to bring them to the forefront in the academic world.

(Prof. Amitabha Ghosh)

(Prof. D. V. Singh)

(Prof. B. N. Suresh)

(Dr. P. Satyamurthy)

(Mr. Dipak Chakravarty)