

Format for Mentor's Reports

Name of the Institution and location : Bengal Engineering & Science University, Shibpur, P.O- Botanical Garden, Howrah- 711103

Dates of this visit : (From...5.11.2013...To... 7.11.2013.)

Name of the Mentor :Prasanta Kumar Das, Professor, Dept. of Mechanical Engineering, IIT Kharagpur, Kharagpur-721302

A. Interaction with UG students

| Issues and suggestions that emerged | Recommendations made by mentor to the Head of Institution | Progress in implementation of recommendations made during the previous visit |
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| 1. Students feel exposure to industry is not adequate. | 1. Arrangement for exposure to industry. | Not applicable |
| 2. There is a demand for a better laboratory facility. | 2. Modernization of laboratory. | Not applicable |
| | 3. Awareness amongst UG students regarding the facilities created by TEQIP programme as well as the responsibilities of the students to these programmes successful. | Not applicable |

B. Interaction with PG students

| Issues and suggestions that emerged | Recommendations made by mentor to the Head of Institution | Progress in implementation of recommendations made during the previous visit |
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| 1. There is a demand for more exposure to Industry | Point 1 & 3 of left column should be considered positively. | Not applicable |
| 2. Awareness regarding intellectual | Workshop may be organized for point 2. Interested | Not applicable |

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| property right is required. | students may also attend such workshops organized in a nearby institute (say IIT Kharagpur or Jadavpur University). | |
| 3. Some contingency and incidental expenses for research will help a better execution of project work. | a) Projects should be planned so that the lack of infrastructure does not become a handicap. b) Some projects may be associated with the sponsored projects or consultancy | Not applicable |
| 1. Financial assistance for attending conference is needed. | NPIU or SPFU may be consulted so that some amount of funds may be allocated for this purpose. | Not applicable |

C. Interaction with the faculty

| Issues and suggestions that emerged | Recommendations made by mentor to the Head of Institution | Progress in implementation of recommendations made during the previous visit |
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| 1. Visit to some good institution/laboratory outside the country should be encouraged. | 1. First point needs to be settled with TEQIP. | Not applicable |
| 2. Mode of students' response should be modified. | 2. Students' response should be made in such a form so that they are used for the purpose they are meant for. | |

D. Interaction with staff

| Issues and suggestions that emerged | Recommendations made by mentor to the Head of Institution | Progress in implementation of recommendations made during the previous visit |
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| 1. More number of targeted training programmes are needed. | More number of training programmes may be conducted. Separate training programmes may be | Not applicable |

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| | chalked out for office staff and technical staff. | |
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E. Interaction with senior functionaries of the Institution

| Issues and suggestions that emerged | Recommendations made by mentor to the Head of Institution | Progress in implementation of recommendations made during the previous visit |
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| 1. Difficulty in opening one of the two proposed PG programmes has been explained. | Efforts should be made for proper implementation of points 1-3. | Not applicable |
| 2. Difficulty in admitting non-Gate students in the M. Tech programmes has been discussed. | If necessary the rules are to be modified. | Not applicable |
| 3. Problem regarding the accreditation of each of the academic programmes has been explained. | Discussions should be made also with NPIU to overcome the difficulties in 1 and 2. | Not applicable |
| 4. Lack of autonomy is an issue. Particularly the university needs to work within a set of rules and restrictions which are not always conducive for the effective implementation of the project. | This is a complex issue. However, as the time bound NPIU projects need continuous progress the difficulties in the implementation should be removed as far as practicable. | Not applicable |

F. Interaction with Chairperson and/or members of BOG

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| Suggestions/views/decisions given | Progress in implementation of suggestions/views/decisions. If implementation delayed or progress in implementation unsatisfactory, give the reasons for the same. |
| Several suggestions have been given in A. to E. | This is the first review. The above point is not applicable. |

G. Interaction with the Head of Institution and the Project Coordinator

The mentor should give brief notes on :

a) Progress in implementation of various aspects of the project,

The institute has made substantial progress in various fronts of the project. Some of the notable progresses are as follows:

- i. A new post graduate course has been instituted.
- ii. Numbers of Doctoral fellowships have been offered.
- iii. Number of events have been organised for industry academia interaction.
- iv. A series of seminars, workshops and conferences have been planned.
- v. Some programmes have also taken up for the improvement of weaker students. Classes on English have been arranged to enhance the communication skill of the students and to prepare them to tackle job interviews better.
- vi. Procurement of several equipment (mainly targeted to research and PG programmes) are in process.
- vii. A number of training programmes for staff members have also been arranged.

b) Shortfalls in project implementation, and actions decided for increasing the pace of implementation and achievement of targets,

- i. Only one of the masters' programme out of the two proposed programmes has been started. Initiatives should be taken for starting the other.
- ii. Remedial English course should be made more effective and the participation from the weaker students should be encouraged and enforced.

- iii. Foreign visits of the faculty members could not be arranged. However, this issue has to be settled with the assistance of NPIU.
- iv. The initiative for the training of office and technical staff should be made more frequent. There is a good demand for it.

c) Issues arising out of meetings with the students, faculty, staff and senior functionaries, and the actions decided to resolve the issues and improve compliance with the 4 associated recommendations made by the mentor,

- a) This point has been covered in detail in points A to F and b) of G. Additionally, suggestion is given for a feedback system.
 - i. Training for the weaker students: feedback from both the students and teachers are needed. Corrective actions / improvements can be planned based on that.
 - ii. Monitoring the follow-up actions based on the suggestions of industry-institution interactions are to be done rigorously.
- b) Several problems are encountered to implement the project due lack of autonomy. As the norms of TEQIP, University and AICTE always are not in conformity. Modification of regulations may take time. However, efforts to be initiated to overcome this difficulty.

d) Problems faced in exercise of autonomies, and how these could be overcome, and the actions decided to overcome these problems, and

The issue of autonomy is a complex one. There are regulation imposed by the state governments, UGC, university, NPIU and MHRD. Sometimes there is conflicting regulation. Amendments of regulations for a greater autonomy are to the pursued continuously.

However, within the university there is scope of improving autonomy; particularly the academic autonomy. This includes change of existing course curriculum, introducing new course, and reform in the pattern of evaluation. In this issue the head of the institution has a very important role to play.

e) Identification of any special help required by the institution, which could be arranged by the SPFU and/or the NPIU.

NPIU/ SPFU can help the institute for a fruitful implementation of the project in a number of ways. These are as follows:

- 1) The rules regarding the visit of the faculty members to institutions/ laboratories outside the countries should be made simpler. The sanction to such visits should also not be delayed.
- 2) The software regarding procurement should be made user-friendly.