PRAVARTNA 14

Summary of Faculty Feedback

Knowledge Incubation for TEQIP             19-25/07/2014

Workshop session

<table>
<thead>
<tr>
<th>Questions</th>
<th>Excellent</th>
<th>Good</th>
<th>Ordinary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarity of communication about workshop</td>
<td>10</td>
<td>07</td>
<td>00</td>
</tr>
<tr>
<td>Organization of the sessions</td>
<td>09</td>
<td>07</td>
<td>01</td>
</tr>
<tr>
<td>Quality of Posters</td>
<td>04</td>
<td>04</td>
<td>00</td>
</tr>
<tr>
<td>Quality of lectures</td>
<td>10</td>
<td>06</td>
<td>00</td>
</tr>
<tr>
<td>Effectiveness of discussions</td>
<td>07</td>
<td>06</td>
<td>00</td>
</tr>
<tr>
<td>Effectiveness of learning experience</td>
<td>07</td>
<td>08</td>
<td>00</td>
</tr>
<tr>
<td>Duration of workshops</td>
<td>15</td>
<td>00</td>
<td>02</td>
</tr>
<tr>
<td>Would you like to have more such sessions?</td>
<td>12</td>
<td>04</td>
<td>00</td>
</tr>
<tr>
<td>Would you like e-lectures by experts on special</td>
<td>15</td>
<td>02</td>
<td>00</td>
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</tbody>
</table>

Suggest specific topic that you would like additional expert lectures on

- Tensor, Dynamics & Vibrations.
- Design of m/c elements
- Design and Robotics
- Design of machine elements
- Welding: submerged arc welding
- Thermal Engineering
- FEM and its application (FEM application with MATLAB)
- Fluid dynamics.
- MATLAB form basic to programming.
- Open channel Hydraulics, Hydrology
- FEM, XFEM, Non-Linear FEM and related methods like mesh free methods and their applications in solid Mechanics will be appreciated.
- Computational Fluid Dynamics, IC Engines, HMT, Research Methodology
| Additional Suggestions | • A visit to Kanpur city help us to know more about Kanpur.  
• More exposure towards lab work, latest projects, latest technology available at IITK.  
• Organize workshop on Linear Algebra and its application only.  
• Copy of recorded lectures should be provided.  
• Course notes/material should be provided at starting.  
• If possible then text book related to course should also be provided. |
**Teaching**

| Which subjects do you teach? | ● Design & Dynamics of Machine, Metal Castings  
● Fluid Mechanics, Thermodynamics  
● BME  
● Machine design, Engg graphics, O.R  
● T.O.M  
● Machine Design  
● Refrigeration & Air Conditioning  
● Thermodynamics.  
● Thermodynamics, CFD  
● Solid Mechanics  
● Mathematics at UG level.  
● Theory of elasticity and plasticity, FEM  
● Basic Mechanical Engineering, O.R, Numerical methods, HMT |
| --- | --- |
| What is average student to teacher ratio in your institute? | 15:01  
14:01  
20:01  
20:01  
50:01  
25:01  
20:01  
15:01  
60:01  
16:01  
12:01  
15:01 |

<table>
<thead>
<tr>
<th>Questions</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you have additional support for teaching (tutors, graders, teaching Assistants, etc)?</td>
<td>10</td>
<td>05</td>
</tr>
<tr>
<td>Do you give class projects for UG classes?</td>
<td>15</td>
<td>01</td>
</tr>
<tr>
<td>Do you give class projects for PG classes?</td>
<td>10</td>
<td>07</td>
</tr>
<tr>
<td>Question</td>
<td>Sufficient</td>
<td>Inadequate</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Do you have sufficient resources for laboratory courses?</td>
<td>12</td>
<td>05</td>
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<tr>
<td>Is the library/journal/e-connection support adequate?</td>
<td>10</td>
<td>06</td>
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<tr>
<td>Would you like to have common (TEQIP) repository of course material?</td>
<td>15</td>
<td>02</td>
</tr>
<tr>
<td>Would you like to visit IITK to participate in and develop course material (existing or new)</td>
<td>15</td>
<td>02</td>
</tr>
<tr>
<td>Would you like to participate in creation of the repository material (course files/lab. Manuals/question bank/etc)</td>
<td>13</td>
<td>04</td>
</tr>
<tr>
<td>How can IITK effectively help you prepare for teaching?</td>
<td>14</td>
<td>09</td>
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</tbody>
</table>

**How can TEQIP help improve your teaching?**

- Providing such workshop sessions and STC.
- We learn new methodology of teaching by seeing expertise of their field.
- It helps us to see what’s new is going around us in each field and each engineering field by visiting the institute.
- By e-courses.
- Help us to know about current research.
- By attending workshop we got knowledge about various advance topic in a particular subject that we are not teaching UG students, and it also clears our doubts regarding different topic in particular subjects.
- By organizing more such workshops on different fields.
- Provide funds for books or desired books and journals should be provided.
- By workshop and seminar.
- By organizing such workshop in different topics.
- More workshops and short term courses may be organized.
- TEQIP has disseminated some new concepts which may be incorporated in the course content.
- By giving an opportunity to interact with universities and colleges outside India via workshop, seminars, e-courses etc.
### Research

<table>
<thead>
<tr>
<th>Questions</th>
<th>Definitely</th>
<th>Maybe</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Would you like to visit an IIT for a visiting-faculty/post-doctoral fellow, if offered (via TEQIP)?</td>
<td>13</td>
<td>03</td>
<td>01</td>
</tr>
<tr>
<td>Would you like to share/use research infrastructure at IITK, if made available?</td>
<td>16</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>Would you like to conduct collaborative research with IITK?</td>
<td>16</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>Would you like lectures by experts (Indian and international) on niche research areas/topics?</td>
<td>16</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>Do you want special-topic conferences?</td>
<td>07</td>
<td>07</td>
<td>00</td>
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</table>

**How can TEQIP help improve your research?**

- Involve us in practical projects taken by the professor of IITK.
- By TEQIP we come across various experts of our field, also we can see various research facilities at different places.
- By conducting collaborative research.
- By lab visit at IITK.
- By providing various projects.
- Sharing of experimental facilities.
- Providing library access.
- By conducting collaborative research programmes, e-courses.
- Organizing workshop on current research area.
- TEQIP has a good consortium of emerging/element from different fields and organizations. So is always helpful in exploring new avenues of my research field.
- By giving an opportunity to work with institutes of international repute like IITK.