

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP)

JNTU College of Engineering, Kakinada

**First Academic Audit Report based on the Visit to the College on
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by

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Summary of Observations

- The College has enough amount of academic, Financial, administrative and Managerial autonomy to implement the action plan proposed in its Concise Institutional Proposal (CIP).
- The faculty position is comfortable though not full to the sanctioned strength. With the provision for taking teaching help through contractual persons the activity is being carried out satisfactorily.
- Having been established in 1946, Laboratories have good amount of old equipment part of which is being phased out under removal of obsolescence and new equipment is being added with financial support from AICTE, TEQIP etc.
- The College has enough amount building space in the form of old and new buildings to carry out all its present activities and any new ones that it might take up in the near future. This includes space for library and the Training and Placement Section which will also house the proposed industry interaction cell.
- Some amount of Research activity exists since several faculty members are pursuing their Ph.D work and there are a good number of post graduate students. Some faculty members have good publications in reputed international journals.
- Faculty is committed and is enthusiastic to fully utilize the TEQIP funds and meet the objectives stipulated under this funding programme.

Work already Initiated

- Institute has a well planned and carefully worked out first phase of activity that dovetails properly with the CIP.
- Good amount of equipment has been purchased by the different departments using TEQIP funds some of which has already been installed and is operational.

- Discussions in an advanced stage with the vendors for the supply and installation Campus-wide fibre Network. In Parallel, progress is being made to have rooms with furniture for housing the centralized and departmental computer facilities
- A number of books have already been procured for the library.

Scope for Improvement

- Faculty to be sent out to institutes like IITs and IISc or abroad (if financial support exists) for doing their doctoral work and upgrading their knowledge. This brings in new ideas concerning teaching and research, laboratory experiment planning and typically **eliminates** the danger halting academic progress due to inbreeding.
- Research work leading to publications is to be increased. Industry interaction through live student projects, conducting knowledge updating programmes for industry personnel, consultancy activity etc is to be increased too.
- Teaching effectiveness should be improved by updating the teaching material with the help of drawing information from the latest text books and internet. All the departments should have enough facility in the form e-class rooms where the faculty can use the modern teaching aids and effective presentation procedures. As a fall out, there will be a development of communication skills in the students.
- A lot of work needs to be done in computerizing the present “**practically all**” manual procedures in the college administration. This includes library automation, maintenance of academic records, placement activity, financial transactions etc. In view of a huge expenditure being planned on computers and networking this outcome is a must and must be pursued seriously.
- **The proposed activity of this college through Campus networking including student hostels and procurement of high-end computers and servers is very impressive. A considerable TEQIP funding is provided for this. It is therefore desirable that this college takes the role of a nodal network institution and has some networked colleges with it. This will result in more effective utilization and sharing of resources.**
- Hostel conditions in terms of better living conditions, cleaner toilets, and better common rooms with furniture, news papers and magazines, games room, hostel library, hostel computer facility (non existing presently) etc. leave massive scope for improvement. Hygiene condition in the mess is just about satisfactory but should be a lot better. All this might result in higher mess bills and establishment charges while the present living expenses for students in hostels are very low.
- College has no community service activity at present .