

Record Notes of FDP by Prof. P. C. Pandey on 18.07.17 **On challenges of faculty for professional education**

Prof. (Dr.) Pooran Chandra Pandey. Professor Emeritus, IET Lucnow was invited for a special session in the Faculty Development Programme on 18.07.17 at Krishna Engineering College, Ghaziabad. Dr. Pandey delivered his session on 'Challenges of faculty for professional education' from 10.30 hrs. to 13.00 hrs. Director KEC introduced him as one of the leading researcher and academician in his field and requested to start his session



During his lecture he slowly unfurls the current scenario of technical education and mindset of the young student. Technology is changing very fast. Professional faculty needs to keep pace with the knowledge of latest development and future research. He talked about the market scenario where technology is market driven and any delay in adopting the changes can push the competitors out of the track. Similarly the faculty needs continuous development to put his students in a perpetual development path. Many examples were given by Dr. Pandey to explain his thoughts.

Coming back to the challenges in teaching he said that the basic method of teaching has deviated lot from the classical teaching method where students were only at the receiving end. Today it is mostly based on outcome base teaching. Students should be given problems in the form of projects to enhance their learning. Simultaneously Faculties also to develop themselves in research based study and teaching.



Touching upon the student's outcome, Dr. Pandey stated that recent market study has revealed that 80 % of the students coming out from Engineering colleges are not employable. Dr. Pandey advised to teach the students not only for obtaining degree. They need to understand the basics and do things themselves. They also need to sensitize to become a good corporate citizen and serves mankind.

Faculty may adopt statistical and simulation tools to develop skill sets in the students. Application based knowledge will enhance interest and hence faculty should teach on application based technology. Even a faculty is assigned with a course which he/she is repeating in subsequent session, every time the old course notes should be re-write so that faculty revises and updates the course. Laboratory instructor should not prevent students to operate the instruments/ machines and perform experiments with their own hands.

He concluded with his remark that 'Learn everything by yourself than getting your job done by someone. Similarly enable the students in the same way to get them learned.