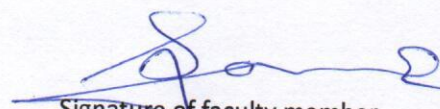


Proposal for announcing seat under the Institute Internship Program

Institute Internship Program

1. Name of faculty member proposing: Prof. Susanta Kumar Jana
2. Department : Chemical Engineering
3. Topic on which work is proposed:
Documenting the innovations in teaching experience gained over more than three decades.
4. Preferred period of internship (after May 20th): Between 05.06.2024 to 04.07.2024
(extension, if any, beyond this based on performance of the first one month).
5. Qualification of student (branch/semester of study):
Preferably completed (or appeared) Sixth semester or above in Chemical Engineering. Students who completed fourth semester in Chemical engineering or in other branches may be considered if they possess good knowledge of C++ and MATLAB and has a keen interest in using E-DRAW and AUTOCAD.
6. Brief description of work (300-500 words):
The student will work with a outgoing PhD student and under my guidance as well. He will get acquainted with the recent developments in process industries. He will perform calculations for specific problems (preferably related to chemical Engineering), write programmes using C++ or MATLAB software where ever desired. **Document the innovative thoughts of teaching as and when prescribed by the mentor. Learn report Writing and prepare reports. Consult reference books as advised by the mentor. Necessary guidance will be provided on each aspect. Overall he will be visualizing and learning Chemical Engineering in a more enlightened way than the usual way of gaining knowledge.**
7. Expected learning of student (up to 100 words): The student will learn solving Chemical Engineering Problems occurring in various courses using C++ and MATLAB programmes. **He will also learn drawing figures using E-DRAW and AUTOCAD for explaining a particular equipment or visualizing a new idea, the model of which is being developed.**
8. Nature of work: (Experimental/simulation/mathematical modelling/data collection-analysis etc.): upto 50 words

Numerical solutions; Simulation using C++ and MATLAB programmes; Data collection from suitable sources, analysis and documentation.
9. If the seat is under project sponsored category: No
 - a) If yes, number of seats announced:
 - b) Name and ID no. of project from which stipend is chargeable


Signature of faculty member
Chemical Engg. Dept.
Name of department/Centre