

MINUTES OF THE MEETING: DUPC-DPPC

Date: 29 / 07/2016

Venue: Dept Meeting Room,
Dept of Metallurgy and Materials Science,
College of Engineering Pune.

Present: Prof. Ajit Kulkarni, IITB; Dr. B. Praveenkumar (ARDE, Pune); Dr. S.P. Butee; Dr. R.K. Goyal;
Dr. V. Gunjal; Dr. P.P. Deshpande; Mrs. N.R. Anand; Dr. M.J. Rathod; Mrs. S.U. Dangrikar;
Dr.S.T. Vagge; Dr.N.B.Dhokey

The chairman of DUPC –DPPC welcomed the members and briefed the purpose of organizing this meeting. The meeting was invited to seek approval for curriculum of "Materials Engineering" course to be offered in place of "Physical Metallurgy" course at M. Tech. level from 2016 onwards. The forum was informed about the background of change in nomenclature from "Physical Metallurgy" to "Materials Engineering" and approval of this nomenclature granted by Government of Maharashtra as well as AICTE, New Delhi, both of which were received in June 2016. The committee has given following suggestions-

1. More hands on Metallographic skills are required to be developed students. Also a few selected experiments on NDT are to be planned in the lab practice.
2. In future , Thermodynamics (a higher level course than the one offered at UG level) is to be included in the next revision of curriculum. Right now this particular course is offered as an Elective.
3. All M. Tech. guides have to appeal to their students to register for 1-2 audit courses related to their project during their project semester. This is required to improve the learning process of students. Typically, a course comprising of half part on English communication skills and the other half part on technical report writing/data/ error/curve fitting should be emphasized, if not already existing then may be introduced new.
4. In "Electronic and Magnetic Materials" course , portion on solar cells and die sensitized solar cells should be included. Also, it is suggested to

- check suitability of MOSFETs and CMOS in the contents as it is too heavy for the students. Portion containing lot of definitions and portion comprising of optical properties of materials is to be eliminated.
5. In "Characterization Techniques" course, it suggested to introduce theoretical part on Raman, FTIR and XRF spectroscopy in place of AES, FIM and SIMS techniques.
 6. Repetitive portion in "Thermodynamics" and "Phase Transformations" course to be removed.
 7. Dielectric related portion to be removed from "Engineering Polymers" as it get covered in "Electronic and Magnetic Materials."
 8. Experiments to be conducted in Lab practice - I and II courses are to be finalized with concerned faculty for the uniform implementation with an objective to sharpen technical skills of the students.
 9. A software such as "Turnitin" which detect plagiarism should be used for all dissertation/thesis submitted by the students.
 10. Prof Ajit Kulkarni has suggested to make use of IT tools (Skype, etc) for conducting meeting whenever there is physical limitation to come together.

The meeting ended with vote of thanks .

Dr. N.B.Dhokey
Chairman-DUPC-DPPC
Dept of Metallurgy and Materials Science