

Office of the Dean Academics

Minutes of the Twelfth Meeting of Postgraduate Curriculum Review Committee

May 20, 2015

The twelfth meeting of the Postgraduate Curriculum Review Committee (PG-CRC) was held in the Board Room at 1500 hrs on April 24, 2015. The meeting was adjourned and re-convened at 3.30 p.m. in the Board room on May 13, 2015. The following members were present:

(Italics indicate inability to attend).

April 24, 2015: Prof. Anurag Sharma, *Prof. Naveen Garg*, Prof. B. Bhattacharjee, Dr. B.P. Patel, Prof. *P.M.V. Subbarao*, Prof. V.K. Jain, *Prof. D.T. Shahani*, *Prof. M.G. Dastidar*, Prof. Maithili Sharan, *Dr. Shalini Gupta*, *Dr. Pritha Chandra*, *Prof. D. Ravi Kumar*, Prof. Joby Joseph, Prof. M.R. Ravi, Prof. T.C. Kandpal.

May 13, 2015: Prof. Anurag Sharma, *Prof. Naveen Garg*, Prof. B. Bhattacharjee, Dr. B.P. Patel, Prof. *P.M.V. Subbarao*, Prof. V.K. Jain, *Prof. D.T. Shahani*, *Prof. M.G. Dastidar*, Prof. Maithili Sharan, Dr. Shalini Gupta, *Dr. Pritha Chandra*, *Prof. D. Ravi Kumar*, Prof. Joby Joseph, Prof. M.R. Ravi, Prof. T.C. Kandpal.

Dr. K.A. Subramanian attended the meeting on both days on behalf of Prof. M.G. Dastidar. The following items were discussed.

1. **Confirmation of minutes of eleventh meeting dated 19.3.15:** The minutes were confirmed as circulated.
2. **Scrutiny of M.Tech. programmes of Electrical and Mechanical Engineering Departments, and revisions of other programmes as per suggestions of the previous meeting:** Programme structures and course templates of revised M.Tech. Programmes had been received and uploaded to the PG-CRC website. The programme structures of 22 of these programmes (AMD, AME, AST, CRF, CEG, CEP, CES, CET, CEU, CEV, CEW, JES, CHE, JIT, MCS, JOP, JPT, PHA, PHM, CYM, TTE and TTF) were discussed in the eleventh meeting, and the comments made by the PGCRC had been addressed by the respective Academic Units and revised structures had been received, with exception of CYM.
3. **Scrutiny of templates of courses for new M.Tech. Curriculum:** M.Tech. Programmes from EE and ME Departments (EEA, EEE, EEN, EEP, EES, EET, JTM, MEE, MEP and MET) had been received, and were discussed on April 24. A few other programmes (CEC, JVL, JID) had been received after this date but before the adjourned meeting, and were discussed on May 13. On the basis of the discussions all these programmes were accepted by the committee, pending the following comments, and Dean Academics was authorized to do the needful to get the same circulated to all academic units and get the proposals updated before taking them up for senate approval.

It was observed that the following programmes are yet to be discussed by the PGCRC: MEM, JEN, JCA. Besides, the curriculum review of M.Des. programme is also pending, and the M.S.(R) and DIIT programmes are yet to be discussed. Out of these,

- i. JCA programme is being discontinued as per recommendations received from the Mathematics Department and the PEC/ PAC of the programme.
- ii. A committee for review of M. Des. Programme has been constituted, and proposal for curriculum revision is expected from this committee.
- iii. JEN programme has been suspended by CES for the coming academic year, and in view of the observations of PGCRC in the previous meeting, further information is awaited from the Centre about the curriculum review of this programme.
- iv. MEM programme is facing minor delays in the Department, and is expected to be received soon.

Comments on the M.Tech. Programme proposals for consideration of Academic Units:

- a) **EEA:** Since students are allowed to take PE courses also under OE, instead of stating as PE/OE, it could be mentioned as OE.
- b) **EEE:** Scheduling could suggest 10.5 and 13.5 credits respectively in I and II semesters. It is understood that some students may take the elective course in I semester instead of II semester, and the choice need not be explicitly shown in the scheduling to avoid confusion. Also, as mentioned for EEA, PE/OE could be mentioned just as OE.

- c) **EEN:** Since Internships for PG students is not a curricular requirement, it need not be mentioned explicitly in the scheduling of summer after II semester. Instead, it could be mentioned just as Major Project, as Industry-oriented projects may include internship in the industry implicitly for some students. OC should be replaced with OE.
 - d) **EEP:** Project Part II should be a Programme Elective for all students, since making it core for Project-based programme makes the core credits different from that for Course-based programme, which is not desirable. Also, OC should be changed to OE.
 - e) **EES:** In scheduling, showing multiple options (eg., 15/12, 9/12) may lead to confusion similar to the case of EEE as mentioned above. Just one recommended schedule may be given. Credit system automatically allows the flexibility meant to be indicated here.
 - f) **EET:** (i) Bridge courses are actually programme electives, and recommended to some students on the basis of their background. The same need not be shown as a separate category. Also, OE permits students to take PE courses. Based on these, the programme structure could be stated as 24 PC, 21 PE and 6 OC to mean the same structure as given in the proposal. (ii) Since streamed core is not as per the senate's definition of Core courses, it may be modified to streamed electives under PE, to be recommended by the programme coordinator as per choice of stream of the student. (iii) BS number courses have not been proposed by the Bharti School in the revised curriculum, and even JTM programme uses all EL or SM or J numbered courses. Numbers of these courses may accordingly be updated.
 - g) **JTM:** Minor Project may use only one course number JTD792, instead of choice of JTD792 / SMD792.
 - h) **MEE:** Only course templates have been received, and programme structure and scheduling are missing.
 - i) **MET:** (i) The name of the programme cannot be changed without going through the established procedure (starting with BERP approval) for new programmes (ii) List of electives has not been updated, and elective templates are not yet received (iii) Irrespective of the credits associated with elective courses, programme structure should specify one value for number of elective credits under PE and OE (iv) The compulsory course scheduled for summer after II semester is not listed under core courses.
 - j) **CEC:** (i) The details given add up to 1.5 credits less than what is mentioned as total credits for II semester. (ii) The term "Compulsory Elective" may be replaced by "Streamed Elective", listing all three relevant courses. Student would choose one of them upon Programme Coordinator's advice. (iii) Courses of other Departments are listed either using old course numbers or using XXX for numbers. These may be updated from the PG-CRC website link to the programmes of the corresponding Departments.
 - k) **JVL:** Two options were presented for the M.Tech. Programme: one with flexible core and another with common core. The option with common core was accepted by the committee. The committee suggested to the PEC of the programme to verify that the courses of EE Department that are included as core courses in the JVL programme would indeed be offered in the respective semester by EE Department.
 - l) **JID:** (i) As per the senate approved concept paper, the number of credits of PE should be at least 12 in PG credits (700-800 level), while the proposal shows only 9. (ii) Bridge course for M.Tech. should be a 600 level course, and not 500 level as proposed. (iii) Old course numbers of courses from other Departments are given. These may be updated from the PG-CRC website link to the corresponding Department(s). PE should be moved from I semester to III semester, so that the limit of number of credits per semester is as per the concept paper.
4. **Scrutiny of templates:** The committee was informed that a preliminary scrutiny of all templates (M.Tech., M.B.A. And others) received so far was undertaken on behalf of the committee, with the help of staff in PG section and a list of suggested modifications has been prepared. This list has been forwarded to the Academic Units for necessary action before tabling in the senate.
 5. **Proposals for revised M.Sc. programmes:** The committee examined the proposals for revision of M.Sc. curriculum received from the respective Departments, and recorded the following comments:

MAS: (i) The course MTL502 is listed with an LTP structure of 3-1-3, but it should have been 3-1-0

as per the template. (ii) MTL510 is listed as 3-0-2 in the proposal and 3-1-0 in the template.

Other than this, the proposals were as per the Senate-approved concept paper. Chemistry Department had yet to communicate the detailed proposal and templates. The committee authorized the chairman to receive and circulate the proposal and templates, along with the above revisions, so that they can be tabled in the senate.

6. **Course proposals from NRCVEE and ANSKSIT:** The committee reviewed the templates for 1-credit modules received from NRCVEE. The committee accepted the templates with the comment that the lecture and practical contents of the proposed courses modules be specified and not left blank. The committee authorized the chairman to get the changes made and table the templates for senate approval. The ANSKSIT templates were apparently those of existing courses. The committee observed that in case there were revisions, these course templates need to be prepared afresh on a more recent date.
7. **Rules for award of DIIT:** The committee looked at the need for change in the rules for award of DIIT in view of the revised curricula. It was decided to take this item in a subsequent meeting after studying the genesis of the existing rules.

The meeting ended with thanks to the chair. Comments on these minutes, if any, may kindly be sent to the undersigned latest by May 25, 2015.

T.C. Kandpal
Associate Dean Academics (PG Research)