Indian Institute of Technology Jodhpur
Senate

Minutes of
Third Meeting

19 June 2014 (Thursday)
3pm – 8pm
Board Room, IIT Jodhpur

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The following were present:

1. C. V. R. Murty, Director, IIT Jodhpur — Chairman
2. H. P. Kincha, Chairman, Karnataka State Innovation Council, Bangalore — Member
3. Sanjeev Misra, Director, AIIMS, Jodhpur — Member
4. B. Ravindra, Coordinator (Faculty), IIT Jodhpur — Member
5. Gaurav Harit, Coordinator (Academics-UG Programs), IIT Jodhpur — Member
6. Atul Kumar, Coordinator (Academics-PG Programs), IIT Jodhpur — Member
7. S. P. Tiwari, Chairman, Council of Wardens, IIT Jodhpur — Member
8. Vidya Sarveswaran, Assistant Professor, IIT Jodhpur — Member
9. Rakesh Kumar Sharma, Coordinator (Laboratories), IIT Jodhpur — Member

Two members, Bhanu Pratap Mehta and Mainak Mazumdar, regretted their inability to attend the meeting.

The following are the decisions of the Senate on the items of the Agenda:

S.No.	Item	Decisions
3.1	**Welcome by the Chairman**	
	Opening Remarks by Chairman, Senate	The Chairman welcomed and thanked the Members present. He explained the revised academic structure, which now includes the *Focus Group* at the starting point for proposing and modifying curriculum and courses for the various degree programs hosted by the Institute. The Focus Groups will precede the existing structure of academic administration, namely of *Centers*, followed by *Academic Committee* and then by the *Senate*.
		He described the agenda of the meeting, wherein he clarified that the AGENDA CIRCULATED (of 942 pages) was edited for emphasis (reduced to 550 pages) and placed as REVISED AGENDA. He recalled the hard work put in by *Coordinator (Academics-UG Programs)*, *Coordinator (Academics-PG Programs)*, *Conveners* of the *Focus Groups*, *Faculty Members*, and *Staff Members* of the Office of Academics. The Chairman clarified that the current proposal of curriculum and course contents is based primarily on inputs of faculty members of the Institute. There is a need to bring in experience in curriculum development process by consulting experienced colleagues from outside IIT Jodhpur. Also, the current proposal considers only live class-room courses. More background work is needed to consider online courses through National Knowledge Network, and even courses run across the world.
3.1.1	Confirmation of Minutes of the Second Meeting of the Senate held on 7 March 2014.	Approved with the following two changes: (1) On page 3 of the Minutes, in item 2.5.1(d), the name Poora Ram should be read as "Pura Ram"; and (2) On page 3 of the Minutes, in item 2.5.1, the "Ratified as circulated" is applicable to all sub-items 2.5.1(a) to 2.5.1(f).
3.2	**Discussion Items**	
3.2.1	Regulations for B.Tech. Programs	Appreciating the hard work put in by the various individuals, the Senate approved the said regulations with changes, including the following salient ones: (a) Composition & terms of reference of Academic Committee be dropped; (b) The minimum credits be 180 to be earned by a student of any B.Tech. program; (c) The grade descriptions be included for letter grades I, S, X and Y for incomplete, satisfactory, unsatisfactory and waiver cases, respectively; (d) Norms for branch change be included; (e) Norms for evaluating the laboratory component of a course be clarified;

		(f) The minimum attendance required be 85% excluding all leaves admitted; cases which fall between 75-85% be referred to Chairman, Senate; (g) In exceptional cases, a student may appeal (with formal justification) to Chairman, Senate, for a change of grade; and (h) The requirements of graduation should include (i) Summer engagement of students in the industry, and (ii) NSO, NSS or NCC.
3.2.2	Regulations for M.Tech. Programs	The Senate approved the said regulations with changes, including the following salient ones: (a) The normal duration of the program and duration for which the assistantship will be paid be stated as 22 months. In exceptional cases, the AC may extend the date of submission of the Thesis by 2 months; (b) The composition and terms of reference of the Academic Committee be dropped; (c) The minimum credits to be earned by a student be 60 for all M.Tech. programs; (d) The grade description be included for letter grade Y for withdrawal from a course; (e) Only letter grades S or X will be awarded for the Thesis; and (f) Norms for withdrawal from a course be included.
3.2.3	Regulations for Ph.D. Programs	The Senate approved the said regulations with changes, including the following salient ones: (a) Drop Table 1 indicating the current Ph.D. programs offered by the Institute; (b) The composition and terms of reference of the Academic Committee be dropped; (c) Norms for withdrawal from a course be included; (d) The grade description be included for letter grade Y for withdrawal from a course; (e) Only letter grades S or X will be awarded for the Thesis; (f) Allow a student with Masters degree earned from university or institute abroad to apply for a Ph.D. program; (g) Drop the nomenclature of Masters Level and Ph.D. Level courses; instead, refer to them as 500, 600 and 700 level courses; and (h) Include Ph.D. Thesis supervisor as an examiner of the Thesis.

3.2.4	Curricula and Contents of Courses for B.Tech Programs in CSE, EE and ME	The Senate approved the new proposal for the three B.Tech. programs with changes including the following salient ones:
		(a) Rename the course "HS421 Development of India" as "HS421 Role of Technology in Development;"
		(b) Add a category of *Summer Industry Immersion* in the Course Category list;
		(c) Course contents be thoroughly revised incorporating the following:
		  (i) Identify a text book as applicable for 100-400 level courses;
		  (ii) Provide at least three reference books;
		  (iii) List eResources of standing (*e.g.,* those from NPTEL, MIT and Stanford University);
		  (iv) Formal referencing scheme be adopted for the different materials (*e.g.,* text books, reports, standards and specifications, web resources);
		  (v) Pre-requisites should be identified in terms of course numbers and not in terms of descriptive requirements; and
		  (vi) Learning outcomes and objectives should be distinctly different and precise.
		
		Also, it felt that the proposed curriculum and course contents be examined by an external group of specialists in the subjects, and their inputs be considered in revising the contents.

3.2.5	Curricula and Contents of Courses for B.Tech. Programs in SS and BISS	In addition to the decisions placed in item 3.2.4, the Senate accorded approval for B.Tech. program in SS and BISS with changes, including the following salient ones:
		(a) The courses of the B.Tech. (SS) and (BISS) be categorized as:
		   (i) Compulsory courses of SS or BISS,
		   (ii) Soft compulsory courses in one of the three options, namely CSE, EE or ME, and
		   (iii) Electives;
		(b) The allocation of the students to the soft compulsory courses will be done at the start based on their choice and JEE rank, but they can be reallocated after the first academic year at IIT Jodhpur, based on their choice and their performance in the first two semesters.

3.2.6	Curricula and Contents of Courses for M.Tech. Programs	The Senate approved the new proposal for the three M.Tech. programs with changes including the following salient ones:
		(a) The course contents be thoroughly revised incorporating the following:
		   (i) Identify at least five reference books;
		   (ii) List eResources of standing (*e.g.,* those from NPTEL, MIT and Stanford University), if any, for 500 and 600 level courses;
		   (iv) Formal referencing scheme be adopted for the different materials (*e.g.,* text books, reports, standards and specifications, web resources);
		   (v) Pre-requisites should be identified in terms of course numbers and not in terms of descriptive requirements; and
		   (vi) Learning outcomes and objectives should be distinctly different and precise;
		(b) The courses of the M.Tech. (ICT) be categorized as:
		   (i) Soft compulsory courses in one of the three streams, namely Multimedia, Communications & Networking, and Micro-electronics, and
		   (ii) Electives;
		(c) The soft compulsory courses of the M.Tech. (ICT) shall be 4, and the electives the rest for completing the requirement of coursework;
		(d) The allocation of the students of the M.Tech. (ICT) to the soft compulsory courses will be done at the start based on their academic background and choice; and
		(e) More courses be proposed of the 500 and 600 levels by Faculty Members.
		
		Also, it felt that the proposed curriculum and course contents be examined by an external group of specialists in the subjects, and their inputs be considered in revising the contents.

3.2.7	Curriculum and Contents of Courses for Ph.D. Program	The Senate approved the new proposal for the Ph.D. program with changes including the following salient ones:
		(a) The course contents be thoroughly revised incorporating the following:
		   (i) Identify at least five reference books;
		   (ii) List eResources of standing (*e.g.,* those from NPTEL, MIT and Stanford University), if any, for 500 and 600 level courses;
		   (iii) Formal referencing scheme be adopted for the different materials (*e.g.,* text books, reports, standards and specifications, web resources);
		   (iv) Pre-requisites should be identified in terms of course numbers and not in terms of descriptive requirements; and
		   (v) Learning outcomes and objectives should distinctly different and precise;
		(b) More courses be proposed of the 700 level by be Faculty Members.
		
		Also, it but felt that the proposed curriculum and course contents be examined by an external group of specialists in the subjects, and their inputs be considered in revising the contents.

3.2.8	Norms for Conduct and Discipline of Students	Approved as circulated
3.2.9	Norms for Teaching of Courses	Approved as circulated

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3.2.5	Curricula and Contents of Courses for B.Tech. Programs in SS and BISS	In addition to the decisions placed in item 3.2.4, the Senate accorded approval for B.Tech. program in SS and BISS with changes, including the following salient ones:
		(a) The courses of the B.Tech. (SS) and (BISS) be categorized as:
		    (i) Compulsory courses of SS or BISS,
		    (ii) Soft compulsory courses in one of the three options, namely CSE, EE or ME, and
		    (iii) Electives;
		(b) The allocation of the students to the soft compulsory courses will be done at the start based on their choice and JEE rank, but they can be reallocated after the first academic year at IIT Jodhpur, based on their choice and their performance in the first two semesters.

3.2.6	Curricula and Contents of Courses for M.Tech. Programs	The Senate approved the new proposal for the three M.Tech. programs with changes including the following salient ones:
		(a) The course contents be thoroughly revised incorporating the following:
		    (i) Identify at least five reference books;
		    (ii) List eResources of standing (*e.g.,* those from NPTEL, MIT and Stanford University), if any, for 500 and 600 level courses;
		    (iv) Formal referencing scheme be adopted for the different materials (*e.g.,* text books, reports, standards and specifications, web resources);
		    (v) Pre-requisites should be identified in terms of course numbers and not in terms of descriptive requirements; and
		    (vi) Learning outcomes and objectives should be distinctly different and precise;
		(b) The courses of the M.Tech. (ICT) be categorized as:
		    (i) Soft compulsory courses in one of the three streams, namely Multimedia, Communications & Networking, and Micro-electronics, and
		    (ii) Electives;
		(c) The soft compulsory courses of the M.Tech. (ICT) shall be 4, and the electives the rest for completing the requirement of coursework;
		(d) The allocation of the students of the M.Tech. (ICT) to the soft compulsory courses will be done at the start based on their academic background and choice; and
		(e) More courses be proposed of the 500 and 600 levels by Faculty Members.
		
		Also, it felt that the proposed curriculum and course contents be examined by an external group of specialists in the subjects, and their inputs be considered in revising the contents.

3.2.7	Curriculum and Contents of Courses for Ph.D. Program	The Senate approved the new proposal for the Ph.D. program with changes including the following salient ones:
		(a) The course contents be thoroughly revised incorporating the following:
		    (i) Identify at least five reference books;
		    (ii) List eResources of standing (*e.g.,* those from NPTEL, MIT and Stanford University), if any, for 500 and 600 level courses;
		    (iii) Formal referencing scheme be adopted for the different materials (*e.g.,* text books, reports, standards and specifications, web resources);
		    (iv) Pre-requisites should be identified in terms of course numbers and not in terms of descriptive requirements; and
		    (v) Learning outcomes and objectives should distinctly different and precise;
		(b) More courses be proposed of the 700 level by be Faculty Members.
		
		Also, it but felt that the proposed curriculum and course contents be examined by an external group of specialists in the subjects, and their inputs be considered in revising the contents.

3.2.8	Norms for Conduct and Discipline of Students	Approved as circulated
3.2.9	Norms for Teaching of Courses	Approved as circulated

3.2.10	Norms for Prizes and Scholarships	The Senate approved the proposed norms with the following changes and additions:
		(a) All medals shall be made of Silver and not of Bronze, unless otherwise stated in cases of donor Prizes;
		(b) The Director's Prize for the B.Tech. and M.Tech. programs be given for "innovative project work," and not just for "innovative work;"
		(c) The Chairman, Board of Governors, Prize for students of Ph.D. Program be given for thesis with high industrial impact, and not based on CGPA in coursework;
		(d) The Director's Prize for students of Ph.D. Program be given for "innovative thesis work" in four streams, namely (i) electrical sciences, (ii) mechanical sciences, (iii) physical sciences, and (iv) humanities and social sciences.
		(e) The Donor's Prize for students of Ph.D. Program be given for "innovative thesis work" and not based on CGPA in coursework.
		(f) The Donor Prizes be operated with the following terms:
		   (i) Two levels of endowment may be sought from Donors, namely Rs.5,00,000 for Silver Medal with Gold Plating, and Rs.3,00,000 for Silver Medal;
		   (ii) The Donor may give the name to the Prize;
		   (iii) The endowment is valid for a period of 10 years, extendable to 15 years. After the duration of the endowment, the sum will be deposited in the general corpus of the Institute; and
		   (iv) The Institute will provide tax exemption certificate under section 80C of the Income Tax Act.
		(g) The Senate authorized the Chairman, Senate, to invite donors, who are individuals of standing or organizations of repute, to institute prizes at the IIT Jodhpur.
		
		The Senate recommended to the Board, names of the 8 students nominated for receiving the following prizes at the 2nd Convocation:
		(1) President of India Prize;
		(2) Governor's Prize;
		(3) Chairman, Board of Governors, Prize (B.Tech.(CSE));
		(4) Chairman, Board of Governors, Prize (B.Tech.(EE));
		(5) Chairman, Board of Governors, Prize (B.Tech.(ME));
		(6) Chairman, Board of Governors, Prize (M.Tech.(Energy));
		(7) Chairman, Board of Governors, Prize (M.Tech.(ICT)); and
		(8) Chairman, Board of Governors, Prize (M.Tech.(SS)).
		The Senate noted that this year the Director's Prize is not being awarded.

3.2.11	Norms for Hostel Management	Approved as circulated
3.3	**Procedural Items**	
3.3.1	Campus Mentor system	The Senate approved the proposal as circulated, and suggested the following additional measures: (1) Services of a professionals from AIIMS, Jodhpur, be sought to sensitize Faculty and Staff Members on issues and sensitivities involved in mentoring of students; (2) Services of a Human Resources Trainer be sought to undertake activities towards the Personality Development of Students; and (3) Services of a professional Clinical Psychologist be sought for counseling of students that need such support.
3.3.2	Revision of Fees to be collected from B.Tech Students for AY 2014-15	The Senate approved the proposal as circulated, with a correction that "Summary" on page 505 should read as "First Semester Fee."
3.4	**Reporting, Adopting and Noting Items**	
3.4.1	-	-

3.5	**Ratification Items**	
3.5.1	Approval Accorded by Chairman, Senate:	
	(a) Instituting the Governors Prize for the graduating student with Best Academic Achievements amongst all students of all B.Tech. Programs graduating each year at the convocation	Ratified as circulated
	(b) Approval of Grades submitted by the Instructor for the course floated in Semester II AY 2013-14	
	(c) Permission to proceed for internship at EPITA, France fro the 12 May 2014 to 31 July 2014 and Late Registration (i) Divya Sharma (PG201372006), and (ii) Rupali Gupta (PG201372014)	
	(d) Request for Late Registration (i) Alvin Roy Aliath (UG201111041) (ii) Anshul Singh Parihar (UG201111004) (iii) Neha singh Chauhan (UG201113026) (iv) Guneet Singh Mehta (UG201111014) (v) Divya Grover (UG201113012) (vi) Anshul Narayan Bhatt (UG201111003) (vii) Sai Rakshit Vinnakota (UG201113039)	
	(e) Approval for Selected Candidates for the Admission to Ph.D. Programs	
	(f) Approval for Selected Candidates for the Admission to M.Tech. Programs	
	(g) Approval for Mr. Vishnu Dutta (PG201372021) for off-loading one course that is Computational Complexities	
3.6	**Any other item with the prior permission of the Chairman**	
3.6.1	Recommendation for confirming B.Tech. and M.Tech. Degrees during 2nd convocation	Recommended as circulated

The Meeting ended with thanks to all Members of the Senate.

C. V. R. Murty
Chairman, Senate