

Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology
(Autonomous Institute Affiliated to University of Mumbai)



Minutes of

Third Meeting of the

Academic Council

On

Saturday, July 14, 2018 at 10.30 AM

at

**Conference Room No. 105
Sardar Patel Institute of Technology
Andheri (West), Mumbai-58**



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Munshi nagar, Andheri(W), Mumbai – 400 058.
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**Minutes and Action taken report for 3rd Academic Council Meeting
of S.P.I.T., Andheri (West), Mumbai.**

Meeting Date: Saturday, July 14, 2018

Time: 10.30 a.m.

Venue – Sardar Patel Institute of Technology

Following Members were present:

Sr. No	Name
1	Dr. Prachi Gharpure, Principal & Chairman
2	Dr. Zia Saquib, External Expert
3	Dr. Jonathan Joshi, External Expert
4	Dr. Sameer S Sahasrabudhe, IIT Bombay, Invitee
5	Dr. Kushal Tuckley, IIT Bombay, Invitee
6	Dr. D.R.Kalbande, Head Computer Engineering Department, Member
7	Dr. Radha Shankar Mani, Head Information Technology Department, Member
8	Dr. Pooja Roundale, Head Master of Computer Applications, Member
9	Prof. Surekha Dholay , Associate Professor, Computer Engineering Department, Member
10	Prof. Kailash Devadkar, Associate Professor, Information Technology Department, Member
11	Prof. D.M.Patil, Associate Professor, Applied Sciences & Humanities Department, Invitee
12	Dr. Sudhir Dhage, Professor, Computer Engineering Department , Invitee
13	Dr. Rajendra Sutar, Associate Professor, Electronics Engineering Department, Invitee
14	Dr. Surendra Rathod, Dean(Academics) & Member Secretary

Leave of absence was requested by Dr. Milind Sohoni Dr. Satyanarayana Bhasatte, Dr. V. B. Chandratre, Dr. Y.S.Rao, Dr. Rita Das, Prof. D.D. Ambawade, Prof. Kiran Talele and Mrs. Apurva Mohite



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Sr. No.	Agenda Item	Discussion/Remarks	Decision	Action Taken
1.	Welcome to members of the Academic Council for Third Meeting.	Member secretary, Academic Council Dr. S. S. Rathod started meeting by welcoming members. He informed that Dr. Sameer S Sahasrabudhe, IIT Bombay, Dr. Kushal Tuckley, IIT Bombay, and Dr. V. B. Chandratre from BARC are included as Invitee in AC. However Dr. V. B. Chandratre could not attend the meeting but has sent an email about his opinion on various agenda items; which has been read by Dr. S. S. Rathod. Member secretary also informed that S.P.I.T. regularly communicated to Mumbai university but names of nominees are not yet received.	--	--
2.	Confirmation of Minutes and Action Taken Report of the Second Meeting of Academic Council held on 20th Jan 2018.	Member secretary asked about confirmation of minutes of second academic council meeting held on 20 th Jan 2018. No corrections or suggestions are given by the members and minutes are approved.	Minutes of Academic Council held on 20 th Jan 2018 are unanimously approved by all the members.	Minutes taken and ATR noted
3.	Approval of Post Graduate Diploma Courses in: 1. UX Design 2. AR-VR 3. Music/Sound Engineering 4. Technology Entrepreneurship	Kindly refer Annexure-I for detail discussion.	Approved all the PGDM courses.	Suggestions are communicated to the curriculum designers of respective courses.
4.	Approval of Academic Calendar for A.Y. 2018-19	Academic Calendar for A.Y. 2018-19 was presented by Dr. S. S. Rathod	Approved the academic calendar	To be followed in academic year 2018-19



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5.	Approval of Examination Related Amendments	Dr. S. S. Rathod informed about the amendments proposed by the examination committee to be implemented from academic year 2018-19. He categorically informed about the introduction of reexamination.	All the amendments related to examinations are approved	Revised examination manual is prepared which is followed in academic year 2018-19. Amendments are presented in all the classes for student's information. Faculty was informed through faculty meeting.
6.	Discussion on Credit Structure for UG Course as per new AICTE Guidelines for 160 Credits	Member secretary informed AC about the new AICTE guidelines regarding range of credits i.e. 150 to 160. He also informed that as per AICTE a student will be eligible to get Under Graduate degree with Honours or additional Minor engineering, if he/she completes an additional 20 credits which could be acquired through MOOCs. Dr. Prachi Gharpure said that S.P.I.T. may need to take an approval from University in case S.P.I.T. wish to give degree with honours. In future, very good quality research or SCOPE courses may be considered for degree with honours.	All members agreed to adopt 160 credit scheme from first year of engineering 2019-2020 batch. A proposal to be sent to Mumbai University for giving B.Tech (Hons.) if candidate earns 180 credits.	All departments are informed to revise the scheme and curriculum by considering 160 credits to be implemented for batch which will be admitted in 2019-2020.
7.	Discussion on Industry Feedback	Kindly refer Annexure-II for detail discussion.	Combined theory and lab course for basic sciences. Programming courses as part of mathematics tutorial. Introduction of new	First year department is instructed to prepare the scheme as per the recommendations of AC for batch which will be admitted in 2019-2020. Committee consisting of members from all the departments is formed to prepare the modalities of 'summer term' which will



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			activity based courses like animation and design thinking. Eight week interdisciplinary 'summer term' to be started.	be implemented after semester II.
8.	Information about SCOPE Tracks and Rules for year 2018-19	Dr. S. S. Rathod informed about SCOPE Tracks which will be made available for second year students for year 2018-19. He also informed about new tracks offered by Fractal Analytics and EBTS. Dr. Prachi Gharpure shared the experience of 2017-18 of SCOPE tracks.	Revised registration mechanism for SCOPE tracks is adopted i.e. registration amount for first three modules to be collected before start of track and then for next three modules after completion of first three modules.	To be followed from academic year 2018-19
11	Any other matter with permission of chair.	Dr. Jonathan Joshi recommended giving a thought on accepting a Ph.D. work if patent is licensed by a company for the work done. Dr. Prachi Gharpure and Dr. S. S. Rathod did not agree to the idea and informed that S.P.I.T. is not ready at present for the same. This can be considered in future. Dr. Satyanarayana Bheesette has given his opinion through email. He wrote 'while agreeing that both the efforts towards	Feedback from students and faculty should be taken and majority decision to be implemented. A policy should be worked out for present semester V students to offer an internship in semester VIII.	Feedback from students and faculty is collected and the revised scheme is prepared.



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
	<p>thesis and patent could be equally intensive, the purpose and most importantly the approach and methodologies are very different. While a patent could be byproduct of a thesis, not the other way around.'</p> <p>Dr. Jonathan also recommended that semester long internships will benefit students to which all the external members agreed and also cautioned about the monitoring of the process. He said that institute can be 'student centric' by doing an assessment at the place where internship is carried out. He also recommended giving a thought to include present third year students in this policy.</p>	
	<p>Member secretary informed that all the items of agenda are discussed and meeting ended with vote of thanks.</p>	

Signature and Date


03/08/2018
Dr. S. S. Rathod

Dean (Academics) and Member Secretary,
Academic Council

Signature and Date


31/8/2018

Dr. Prachi Gharpure
Principal and Chairman,
Academic Council



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Annexure-I

Member secretary presented post graduate diploma courses and their contents for approval. Dr. Sameer S Sahasrabudhe said that instructional design should be the backbone of story telling in VR. He also recommended advertising these courses among our UG and PG classes. He recommended that PGDM students can be mentors for UG students. He suggested starting interdisciplinary 'Summer Term' at the end of semester II and PGDM students can be involved/trained to handle these kinds of workshops.

He suggested being clear in syllabus about 'interaction design' module in case of UX Design course. It should be written in syllabus that interaction design is for website or for devices because these two are completely different experiences. AR courses are lacking in case of PGDM AR/VR hence augmented reality related course need to be introduced. He recommended giving a thought of having project linked to every course rather than one project in a semester. This will help student in implementing the concepts learned in that particular course which probably he/she may not be implementing in one project. He also suggested giving a thought of running an entire project based course. Exact delivery mechanism need to be thought of for music related courses. Dr. D. R. Kalbande also agreed that there is a need to include courses on 'interaction design' in UG syllabus may be in fifth and sixth semester which have potential in increasing employability and long duration internship for all branches.

Dr. Jonathan Joshi, Dr. Kushal Tuckley and Dr. Zia Saquib told that these courses are industry relevant and eleven months exposure to start-ups will help the course. Members recommended that UX design and AR/VR students can collaborate during the implementation of project. Story telling in instruction design can be very well taught using AR/VR and thus instruction design course can go along with AR/VR. Dr. Kushal Tuckley advised to start center of excellence and also told that he will connect S.P.I.T. to the concerned people.

Annexure-II

Highlights of industry feedback in which revamping of first year curriculum and internships were strongly recommended were read by member secretary. Prof. D. M. Patil suggested that S.P.I.T. is proposing more credits to basic sciences in first year than credits proposed by AICTE and less credits to engineering sciences. Prof. D. M. Patil also informed that 3D modeling and 3D printing is included as a part of workshop in first year. Dr. Zia Saquib and Dr. Kushal Tuckley suggested making physics and chemistry laboratory based courses to which all the members agreed unanimously. Dr. Rathod read email by Dr. Chandrate who is a renowned physicist also recommended that these could be laboratory based courses. Dr. Jonathan Joshi and Dr. Kushal Tuckley recommended to design a laboratory based course which will include the contents of Python programming, R programming and Matlab programming and must start in first year itself. Members agreed that 'Applied Mathematics' is a too generic name. They recommended giving a proper title like 'Statistics', 'Linear Algebra' etc. to these courses and also include Matlab programming, R programming and Python Programming in first year mathematics courses. Members recommended to have more lab based engineering courses in the first year of study. Mathematics should also be thought of as laboratory based course rather than tutorial. Applied mechanics and drawing should also be taught more in laboratories.

Dr. Satyanarayana Bheesette through email communicated that physics (classical experiments - electromagnetics, light, semiconductors, sensor detector physics), chemistry (experiments with a technology lookup), applied mechanics (physics + measurement based laboratory session, treatment of data using statistical methods), applied mathematics (problem solving by computing) should all be taught during first year as combined 'classroom + lab' courses.



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Members recommended including Animation course and Design Thinking or UX design as a workshop in first year engineering itself. This will help students in implementing the concepts learning from second year onwards. Otherwise in higher semesters even if these courses are included students may not get enough opportunity to actually implement these concepts. Dr. Sahasrabudhe recommended looking for a course on 3D animation and modeling offered by IIT Bombay. Many universities are using this course as a laboratory course. He also recommended that college should start interdisciplinary eight week 'summer term'. This has to be an interdisciplinary in nature only. Through this term students will be benefitted by acquiring the fundamental knowledge of the other fields which will be useful for them in their real life.