

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE
MATUNGA, MUMBAI 400 019



Minutes of 13th Meeting of the
ACADEMIC COUNCIL

Held on

Tuesday, April 2, 2019 AT 2.30 PM

at

Civil Department Seminar Hall (First floor)

VJTI Mumbai, Mumbai 400019

B. Singh

AGENDA for 13th Meeting of the ACADEMIC COUNCIL to be held on
Tuesday, April 2, 2019 AT 2.30 PM at Civil Department Seminar Hall
VJTI Mumbai, Mumbai 400019

Item No.	Item Description
1	Confirmation of minutes of 12 th Academic Council meeting held on July 30, 2018.
2	Proposal for implementation of revised rules and regulations for the B. Tech program in view of fourth revision of curriculum.
3	Proposal to offer foreign languages as an open elective courses.
4	<p>Proposal for implementation of revised scheme and course contents for semesters II to VIII to be implemented from academic year 2019-20 to following Programs</p> <ul style="list-style-type: none"> i. B. Tech program in Civil Engineering. ii. B. Tech program in Mechanical Engineering. iii. B. Tech program in Electrical Engineering. iv. B. Tech program in Production Engineering. v. B. Tech program in Textile Technology. vi. B. Tech program in Electronics Engineering. vii. B. Tech program in Computer Engineering. viii. B. Tech program in Information Technology. ix. B. Tech program in Electronics and Telecommunication Engineering x. Master in Computer Application
5	Proposal to offer Block Chain an elective course in Master of Computer Application Program.
6	Recognition as Ph.D Guide to all Ph.D qualified faculty members of VJTI Mumbai appointed in Diploma programs of the Institute.



K. M. Gole

**Member Secretary
Dean Academics**

Veer mata Jijabai Technological Institute
Minutes of Eleventh Meeting of Academic Council
Tuesday, April 2, 2019 at 2.30 PM

Thirteenth Meeting of Academic Council was held on Tuesday, April 2, 2019 at 2.30 PM in the Civil Department Seminar Hall. Following members were present:

1.	Dr. Dhiren R. Patel, Director & Chairman	13.	Dr. S. Y. Mhaske, Head Civil Engineering Department
2.	Dr. Shubha Pandit, Principal K.J Smaiya College of Engineering, Nominee of Mumbai University	14.	Prof. U Nair, Head Humanities and Management Department
3.	Dr. Prachi U Gharpure, Principal SPIT, External invitee	15.	Prof. N. P.Gulhane, Head Mathematics Department
4.	Dr. B. Ravi, External Expert, IITB	16.	Prof. Sujatha. P ,Head Technical & Applied Chemistry Department
5.	Dr. D. N. Badodkar, External Expert, BARC	17.	Dr. M. S. Panse, Professor, Electrical Engg. Department
6.	Dr. K. K. Sangle, Dean Academics & Member secretary	18.	Dr. R. D. Daruwala, Immediate Past Dean academics
7.	Dr. N. M. Singh, Head Electrical Engineering Department.	19.	Prof. A. A. Pandit, Head MCA Department
8.	Dr. S. Gangopadhyay, Head Textile Technology Department	20.	Dr. S. P. Borkar, Professor Textile Technology Department.
9.	Dr. S. S. Pendhari, Head Structural Engineering Department	21.	Dr. R. N. Awale, Professor Electrical Engineering Department
10.	Prof, T. B. More, Head, Physics Department	22.	Dr. S. G. Bhirud, Professor Computer Engineering Department
11.	Dr. V. B. Nikam, Head Computer & IT Department	23.	Dr. V. B. Deshmukh, Professor Structural Engineering Department
12.	Dr. S. A. Mastud, Head Mechanical Engineering Department		

Following members were given leave of absence

1.	Dr. G Sivakumar, External Expert, IITB
2.	Dr. Dipankar Choudhary, External Expert, IITB
3.	Dr. M. R. Nagre , Head Production Engineering Department
4.	Dr. W. S. Rathod, Assistant Professor, Mechanical Engineering Department

K. Sangle

Item No 1	Confirmation of minutes of 12th Academic Council meeting held on July 30, 2018.
Minutes of 12 th Meeting of Academic Council held on July 30, 2018 were confirmed.	

Item No 2	Proposal for implementation of revised rules and regulations for the B. Tech program in view of revision of curriculum.
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Revised rules and regulations (Presented in Annexure-I) for the B. Tech program prepared by the committee constituted by Director was presented by member secretary in the Academic Council. After Discussion and deliberation revised rules are approved by the Academic Council from Academic Year 2018-19 with following suggestions.

1. Requirement of a CPI for award of the degree shall be kept at 4.0
2. Detail evaluation and assessment process shall be prepared for Mandatory Internship Course, duration of Internship shall be of six to eight weeks.
3. Strengthening of M.Tech Program:

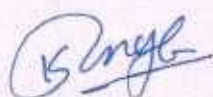
It is observed that from last few years', numbers of GATE qualified students admitted to M.Tech Program in the Institute are drastically reduced. Academic council discussed the present admission criteria and process for the M.Tech program and also the other probable reasons. After discussion and deliberations, Academic Council resolved that Institute should go for M.Tech Program admission through CCMT i.e at Central Government level instead of MHCET.

Item No 3	Proposal to offer foreign languages as an open elective courses.
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Proposal to offer foreign language as open elective courses discussed in the meeting. Academic Council resolved that these courses may be offered as Value Added Courses. Academic Council requested Department of Humanities and Social Science of the Institute to prepare the detail curriculum of these courses in consultation with professional organization/Embassy.

Item No 4	Proposal for implementation of revised scheme and course contents for semesters II to VIII to be implemented from academic year 2019-20 to following Programs
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- ✓ B. Tech program in Civil Engineering.
- ✓ B. Tech program in Mechanical Engineering.
- ✓ B. Tech program in Electrical Engineering.
- ✓ B. Tech program in Production Engineering.
- ✓ B. Tech program in Textile Technology.
- ✓ B. Tech program in Electronics Engineering.
- ✓ B. Tech program in Computer Engineering.



- ✓ **B. Tech program in Information Technology.**
- ✓ **B. Tech program in Electronics and Telecommunication Engineering**
- ✓ **Master in Computer Application**

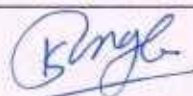
Proposal for implementation of revised scheme and course contents for semesters II to VIII to be implemented from academic year 2019-20 onwards for B. Tech program were presented in the meeting by respective Head of Departments.

After a thorough discussion, Academic Council approved curriculum comprising of scheme of instruction and evaluation for the semester II and IV for following B.Tech. Programs to be implemented from academic year 2019 -20 with suggestions as listed.

- i. B. Tech program in Civil Engineering.
- ii. B. Tech program in Mechanical Engineering.
- iii. B. Tech program in Electrical Engineering.
- iv. B. Tech program in Textile Technology.
- v. B. Tech program in Electronics Engineering.
- vi. B. Tech program in Computer Engineering.
- vii. B. Tech program in Information Technology.
- viii. Master in Computer Application

Suggestions to all Disciplines

- ✓ Ownership of the Environmental Studies Course (Mandatory Non Credit Course) will be with concern department and will be taught by faculty of Civil Department for B.Tech Civil Engineering and for other disciplines this course will be taught by tenure based faculty appointed at Institute Level.
- ✓ Six to eight week Internship after third year will be mandatory and will have 3 credits. These credits will not be considered for calculation of CPI. Total 3 hours shall be given in VII semester for assessment for evaluation of students completed the Internship.
- ✓ Evaluation weightage for Laboratory courses will be 40 % for Continuous In-semester Evaluation (CIE) and 60 % End Semester Examination (ESE). End semester examination will be in the form of Oral, Practical etc.
- ✓ Final Year Project will be evaluated in following stages
 Stage -I (Credit -2 , Contact hours -4) in VII Semester with weightage of 40 % for Continuous In-semester Evaluation (CIE) and 60 % End Semester Examination (ESE),
 Stage -II (Credit -4 , Contact hours -6) in VIII Semester with weightage of 30 % for Continuous In-semester Evaluation (CIE) and 70 % End Semester Examination (ESE).
 External examiners are to be called for ESE project evaluation.



Discipline wise suggestions given by Academic Council are as follows.

i) B. Tech program in Civil Engineering.

- ✓ Reduce numbers of Heads.
- ✓ Whenever possible merge two courses in to single course

ii) B. Tech program in Mechanical Engineering.

- ✓ Check and revise the content of Economics, Accounting and Finance course.
- ✓ Include course on Environmental Engineering in curriculum.

iii) B. Tech program in Electrical Engineering.

- ✓ Course titled Mathematics V in semester V should be renamed along the lines as mathematics for electrical engineering with content specific to the courses following from semester VI onwards and should be taught by a faculty from the department itself.
- ✓ The syllabus for the course in Instrumentation and measurement in semester VII should have syllabus which reflects the needs of modern technology for example PMU's etc.

iv) B. Tech program in Textile Technology.

- ✓ Humanities and Mathematics courses for Semester III will be taken care of by respective departments. Textile department has to follow up and coordinate with these departments
- ✓ Change the title of Mathematics course in Semester III to 'Mathematics for Textile Applications'.
- ✓ Department should take the ownership of Mathematics course proposed in semester IV and change the title of this course as 'Statics for Textile Applications'.
- ✓ Introduce one Mandatory Noncredit course on Environmental Studies.
- ✓ Offer open elective only in VI and VII semester.
- ✓ Increase the Professional elective courses.

v) B. Tech program in Electronics Engineering.

- ✓ Introduction of Liberal Arts courses, Design Thinking course and course on Financial Planning, Taxation Policies and Investments in curriculum was appreciated.
- ✓ Liberal Arts courses should not carry credits, they would be Mandatory Noncredit (MNC) courses.

vi) B. Tech program in Computer Engineering.

- ✓ Shift Computer Organization course from semester IV from Semester III and remove the Computer Organization laboratory.
- ✓ Convert Environmental Engineering Course from credit course to Mandatory Noncredit



course.

- ✓ Shift Operating System Course from semester V to semester IV.
- ✓ Introduce the course on "Information Security".
- ✓ Check the possibility of offering few final year courses under credit transfer scheme.
- ✓ Discuss the scheme of curriculum of VII and VIII semester with faculties in the department and present the same in next academic council meeting.

vii) B. Tech program in Information Technology.

- ✓ Convert Environmental Engineering Course from credit course to Mandatory Noncredit course.
- ✓ Offer Geo-Spatial Course in one head and merge laboratory of same course in to theory course.
- ✓ Introduce the course on "Information Security".

viii) Master in Computer Application

- ✓ Convert the tutorial contact hours of System Modelling course in to laboratory.
- ✓ Increase the contact hours and credit of DCN course to 3 from 2
- ✓ Change title of Banking and Finance course to Accounting, Banking and Finance
- ✓ Business English course should have 2 hours laboratory instead of 2 lecture hours.
- ✓ Professional & Technical Communication should have 1 lecture hour.
- ✓ Total credit for award of the degree shall be in the range of 120-124.

Head of Electrical Engineering and Production Engineering Department requested to defer the presentation of B. Tech program in Electronics and Telecommunication Engineering and Production Engineering presented till next meeting. Academic Council approved the said request.

Academic Council also Authorized Chairman Academic Council to approve minor alterations in course contents as well as changes in course outcomes.

Item No 5	Proposal to offer Blockchain an elective course in Master of Computer Application Program.
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Curriculum of Blockchain course was presented by Head MCA. It was resolved that Blockchain course can be introduced as an elective course in Semester IV in exiting and as well as revised curriculum from Academic year 2019-20. It is also resolved that Blockchain Course will be introduced as an elective to B.Tech Engineering Program at final year Information Technology, Computer Engineering, Electronic Engineering, Electronic and Telecommunication disciplines at VII Semester in Academic Year 2019-20, 20-21. This course is also open for M.Tech Program also.



Item No 6	Recognition as Ph.D Guide to all Ph.D qualified faculty members of VJTI Mumbai appointed in Diploma programs of the Institute.
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Request of Ph.D qualified faculty members appointed on Diploma Program in the Institute to recognize them as Ph.D Guide has discussed at length in the meeting. Academic council constituted the committee of faculty members to

- ✓ Examine the existing guidelines of various universities and Institutes, related to Ph.D Guide recognition of Diploma faculty members
- ✓ Submit the report and recommendation on the same to Academic Council.

Constitution of the committee is as follows.

1. Dr. Faruk Kazi Dean Research, Development and Consultancy (Chairman)
2. Dr. A.N Bambole Professor , Structural Engineering Department (Member)
3. Dr. R. N Awale , Professor Electrical Engineering Department (Member)



Dean Academic
Member Secretary



Director
Chairman