

**Minutes of 1<sup>st</sup> Academic Council Meeting**

**Date: 6<sup>th</sup> July 2019, 10:30 am onwards**

**Venue: Kirloskar Auditorium, BIEL, COEP**

**Agenda**

<b>Item. No.</b>	<b>Item</b>
01	Formal Welcome of all the members of Academic Council and round of introduction by the Honorable Director, Prof. B. B. Ahuja
02	Seeking Approval for the list of two Subject Experts of the Board of Studies of each Department outside the University to be nominated by Academic Council
03	Seeking Approval for the Academic Calendar of the AY 2019-20
04	Presentation of Examination Results and the Analysis of Graduating Batches of AY 2018-19: All UG and PG Programmes
05	Seeking Approval for the list of Programme-wise Toppers and Rank Holders: All UG Programmes
06	Curriculum Revision-2019 a) The thought process and philosophy by Prof. M. S. Sutaone b) Details of B.Tech/B.Planning/M.Tech/M.Planning curriculum by concerned Heads of the Departments, to be implemented w.e.f. the AY 2019-20
07	Status of Honors/Minors Courses after the completion of one batch by Dean Academics
08	Examination Reforms By Dean Academics
09	Any Other Point with Permission of the Chair



**Item No. - 01: Formal Welcome to all Academic Council members and round of Introduction by the Honorable Director, Prof. B. B. Ahuja.**

The 1<sup>st</sup> Academic Council meeting commenced with the formal welcome of all the members of the Academic Council by the Chairman of Academic Council and Director of the institute, Dr. B. B. Ahuja. He briefed the newly nominated external members about the various UG/ PG programmes offered at the institute with their intake capacity, the accreditation process etc. He also briefed about the two one year PG Diploma courses offered in ERP- SAP and Additive Manufacturing by the Department of Production Engineering and Industrial Management. He added that the college in association with various industry partners will soon offer three more one year PG Diploma courses in Electric Mobility and Rail and Metro technology (The curriculum structure of these diploma courses are presented in Annexure 1 and 2). He stated that the curriculum of the same will be soon presented before the Academic Council for their approval. He also stated the current faculty positions and mentioned that the curriculum revamping process is done every 4 years. It was followed by a formal self-introduction of all the internal members (HoDs, Deans, Faculty) present for the meeting.

**R-AC-1/01/2019: The members RESOLVED to APPROVE to the commencement of one year full time PG Diploma courses in Electric Mobility and Rail and Metro technology with effect from the Academic Year 2019-20.**

**Item No. - 02: Seeking Approval for the list of two Subject Experts of the Board of Studies of each Department outside the University to be nominated by Academic Council.**

Prof. Mrs. Jibi Abraham, the Dean Academics, introduced all the external members of the Academic Council and presented the Responsibilities and Powers of the Academic Council as given in the notification regarding norms of Autonomy by Government of Maharashtra, dated 14<sup>th</sup> January 2019. She also presented the list of two subject experts on the Board of Studies of the respective departments from outside the University nominated by the Academic Council (as presented in Annexure 3). The forum deliberated on some of the nominations and made following suggestions.



1. Dr. Sameer Chavan, IIT Kanpur was suggested as the additional member of BOS for the Department of Mathematics.
2. The Department of Applied Sciences must identify one expert from either IISER or NCL as the formal BOS member. It was also suggested to have the current member Dr. Radha Krishnan as the invitee member.
3. The Department of Physics must identify one expert from IISER/ IUCCA or other institute of the similar stature.

**R-AC-1/02/2019: The members RESOLVED to APPROVE the BoS nominations and inclusion of new members of BoS at the Departmental Undergraduate Programme Committee (DUPC) of Mathematics, Applied Sciences and Physics.**

**Item No. - 03: Seeking Approval for the Academic Calendar of the AY 2019-20**

Prof. Mrs. Jibi Abraham, the Dean Academics, presented the academic calendar for year 2019-20. The following suggestions were received from the members, accordingly.

1. To have a dedicated day for Ph. D registration in the Academic Calendar.
2. To shift Mindspark in the beginning of the semester. Since the first year admission process prolongs up to August and they need to participate in the same, it is not feasible.

The Chairman of the Academic Council and the Honorable Director, Dr. Ahuja, briefed the external members about the assessment system of the institute and also informed that there are dedicated days for conduction the orientation programmes for UG, PG and PhD students.

**R-AC-1/03/2019: All the members unanimously resolved to have a dedicated day for Ph.D registration in the Academic Calendar.**

**Item No. - 04: Presentation of Examination Results and the Analysis of Graduating Batches of the AY 2018-19: All UG and PG Programmes**

Dr. S. G. Sonar, the Controller of Examination, presented the programme-wise result analysis of the examination results. A comparative analysis for years on parameters like Average CGPA, number of students passed, success index etc. was shown and discussed accordingly.



**R-AC-1/04/2019: The members RESOLVED to APPROVE the results and its analysis.**

**Item No. - 05: Seeking Approval to the List of Programme-wise Toppers and Rank Holders: All UG Programmes.**

The list of Programme wise toppers and Rank holders (as presented in Annexure 4), who have qualified for the Institute Gold Medals was presented before the members for their approval. It was informed that the toppers from each Programme are awarded with the Gold Medal and cash prize which has been instituted by the BOG.

**R-AC-1/05/2019: The members RESOLVED to APPROVE the list of Programme toppers and Rank holders.**

**Item No. - 06: Curriculum Revision-2019**

**a) The thought process and philosophy by Prof. M. S. Sutaone**

Prof. M. S. Sutaone, Deputy Director presented the salient features of the curriculum iteration-V, which will be done in this academic year. He also briefed about the best academic practices followed at the institute and presented the Curriculum structure, teaching schemes and credit allotments for various UG and PG programmes. He added that the structure is in accordance with the model curriculum announced by AICTE.

**b) Details of B.Tech/ B.Planning/ M.Tech/ M.Planning curriculum by the concerned Heads of the Departments, to be implemented w.e.f. the AY 2019-20**

In the purview of the running time, it was decided that the respective heads will send the curriculum details of the UG and PG programmes offered by the departments, to all the members through email for their perusal.

In UG Curriculum, the structure for E-Group and M-Group of first year may be different. Hence, the Programme change facility after first year should ensure that if there are compromises on courses between E-Group and M-Group, then such courses if any shall be completed as audit courses in the 2<sup>nd</sup> year by the respective students.

**R-AC-1/06/2019: The members RESOLVED to APPROVE the 5<sup>th</sup> iteration of UG and PG curriculum structures to start from the Academic Year 2019-20.**



**Item No. - 07: Status of Honors/Minors Courses after the completion of one batch By Dean Academics.**

Prof. Dr. Jibi Abraham, the Dean Academics, briefed the external members on the concept and motive behind introducing the Honors and Minors Programmes. It was followed by the statistical analysis of results of the first batch of students who successfully completed the Honors and Minors Programmes.

**R-AC-1/07/2019: The members RESOLVED to APPROVE the results of Honors/Minors Courses unanimously.**

**Item No. - 08: Examination Reforms by the Dean Academics.**

In the concluding session, Prof. Dr. Jibi Abraham, the Dean Academics, shortly presented the reforms of various examination practiced at the institute.

a) Regarding the proposal for slow learning or year down concept, following deliberations were made:

- i. UG students who have acquired less than 70% (after the decimal values in the calculated percentage rounded up to the next integer value) of credits out of the total assigned First Year credits after completing first year, shall be on the "Slow Learners Track" and shall need to continue registering and attending the lectures of pending courses in the following year itself. Such students shall not be allowed to register for the second year of the UG programme.
- ii. UG students, who acquire a minimum of 70% of credits out of the total assigned First Year credits after completing first year, shall register for all the courses of second year and the pending courses of first year. In case of overlapping lectures in the time table, students shall be permitted to register for equivalent MOOC course approved by the concerned head of the department and Dean Academics.
- iii. By following the "Year Down Concept" for the transition to (N+1)th year, all backlogs of (N-1)th year must be cleared (where, N = 2<sup>nd</sup> year or 3<sup>rd</sup> year) by the students.



- iv. For the lateral entry admitted UG students in second year, "Slow Learners Track" shall be followed in Second - Third Year and "Year Down" in Final Year.
  - v. For PG students, "Slow Learners Track" shall be followed in the First-Second Years.
  - vi. As per the University norms, degree shall not be awarded to the students who fail to complete the degree requirements within 6 years for a UG Programme or within 4 years for a PG programme from the date of admission. Hence, admissions of the UG students who don't complete the first 4 semesters in the first 4 Academic Years shall stand cancelled as there shall be less possibility of degree completion in the prescribed period.
  - vii. The University system of issuing the hall tickets for examinations shall be practiced at the institute which shall assure the students that which examinations of which courses they shall be eligible to appear for. The following deliberations were made:
    - viii. Hall tickets shall be mandatory to be presented for Test 1, Test 2 of CIE tests and for the End Semester Examinations.
    - ix. The students shall be allotted the hall tickets only if they have given the academic feed backs before the Test 2 and end semester examinations.
- b) Exemptions in case of a student being absent in CIE tests or end semester examinations shall be permitted by ensuring the gravity and geniuses of each case. The following deliberations were made:
- i. The student will have to take the permission for Retest/Re-examination within 7 days of date of CIE test or ESE schedule of the course/s respectively, through proper channels.
  - ii. Pro-rata system practiced in earlier years shall be replaced with the system in which the Course Instructor is to give a retest or an assignment for the missed CIE evaluation within 10 days of the scheduled CIE tests.
  - iii. Grade – 'I' shall be awarded for courses being absent during ESE, which are permitted for Re-Examination and shall not be considered for SGPA calculation during regular semester. Same grade as gained in the Re-

examination shall be awarded and the new SGPA is calculated based on the gained grades.

- c) To avoid undue misuse of the Re-examination facility for the failed courses, an upper threshold of BC grade shall be followed.
- d) The disciplinary actions against misconduct during CIE/ESE/Re-Examination/Summer examinations were presented. These disciplinary actions shall be listed in the Academic Rules and Regulations to bring in more severity among the students.

Following suggestions were made against point (b) and (c).

- i. The students will be allotted the hall tickets only if they have given the feedback before the Test 2 and end semester exams:- The members stated that though getting students feedback is essential, we shouldn't relate it with getting hall tickets as doing such may invite certain legal issues. The institute functionaries should therefore implement some other measures to ensure the receipt of the feedback from the students.
- ii. Exemptions in case of absence of the students in continuous evaluation or examination should be given by ensuring the gravity and genuineness of the case: Dr. Ahuja, the Chairman of Academic Council and Director of the institute, suggested to have a committee comprising of Dean Academics, HOD and other members who will set a yardstick and give the exemption after studying the case in detail.

**R-AC-1/08/2019: The members RESOLVED to APPROVE to implement all the Examination Reforms.**

Prof. Dr. Jibi Abraham thanked all the members for attending the meeting and declared the meeting concluded. The meeting ended with the vote of thanks to the Chair.

  
**Prof. Jibi Abraham**  
**Member Secretary**





**Annexure 1: Curriculum STRUCTURE OF ONE YEAR FULL TIME POST GRADUATE DIPLOMA IN ELECTRIC MOBILITY (PGDEM)**

**(A Joint Programme of MCCIA, COEP and Cummins COE, Pune)**

**Trimester I**

Sr. No.	Course Code	Course Name	Teaching Scheme			Credits
			L	T	P	
1	PGEM1	Bridge Course a) Fundamentals of Automotive Electrical And Electronic Systems (for Mechanical) b) Fundamentals of Automotive Mechanical Systems (Electrical group)	3	0	0	3
2	PGEM2	Applied Mathematics	2	1	0	3
3	PGEM3	EV System Design and Architecture	3	0	0	3
4	PGEM4	Energy Storage Systems for Electric Vehicles	2	1	0	3
5	PGEM5	EV Motor Drives and Power Electronics	2	1	0	3
6	PGEM6	Lab 1	0	0	4	2
7	PGEM7	Mini Project 1	0	0	4	2
<b>Total</b>			12	3	8	19
<b>Total Academic Engagement and Credits</b>			<b>23</b>			<b>19</b>

**Trimester II**

Sr. No.	Course Code	Course Name	Teaching Scheme			Credits
			L	T	P	
1	PGEM8	Vehicle Dynamics and Traction Systems	2	1	0	3
2	PGEM9	Sensors and Controls in Electric Vehicles	2	1	0	3
3	PGEM10	IOT for Electric Vehicles	3	0	0	3
4	PGEM11	Elective 1	2	0	0	2
5	PGEM12	Elective 2	2	0	0	2
6	PGEM13	Lab 2	0	0	4	2
7	PGEM14	Mini Project 2	0	0	8	4
<b>Total</b>			11	2	12	19
<b>Total Academic Engagement and Credits</b>			<b>25</b>			<b>19</b>



### Trimester III

Sr. No.	Course Code	Course Name	Teaching Scheme			Credits
			L	T	P	
1	PGEM14	Industrial In-Plant Training (15-18 Weeks)	0	0	0	12
		<b>Total</b>	0	0	0	12
		<b>Total Academic Engagement and Credits</b>	<b>0</b>			<b>12</b>
		<b>Course Total Credit</b>				<b>50</b>

Sr.No	List of Electives
a	Thermal Design and Management of EV Systems
b	Safety and Automotive Standards
c	Energy Management and Vehicle Integration
d	Advance Electric Devices
e	Embedded Systems and in vehicle communication protocols
f	FEM and CFD for Electric Vehicles
g	Design Validation Process

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**Annexure 2: Curriculum Structure of Post Graduate Diploma Course in Rail and Metro Technology (PGDRMT)**

DURATION: 1 YEAR (Two Semesters)

FIRST SEMESTER: 14 WEEKS

SECOND SEMESTER: 14 WEEKS

PRACTICAL TRAINING – With Industry Connect and Indian Railways

ELIGIBILITY: Graduate in Engineering Programmes of Civil, Mechanical, Electrical and Electronics

**FIRST SEMESTER (14 WEEKS)**

S.No	Name of the Course	Teaching Scheme			Examination Scheme			Credits
		L	T	P	T1	T2	ESE	
1	Introduction to Railways and Track Technology	4		2	20	20	60	5
2	Railway Traction Mechanical	4		2	20	20	60	5
3	Railway Traction Electric	4		2	20	20	60	5
4	Railway Rolling Stock	4		2	20	20	60	5
5	Elevated Structures	4		2	20	20	60	5
6	Lab 1			2	20	20	60	2
							Total	27

**SECOND SEMESTER (14 WEEKS)**

S.No	Name of the Course	Teaching Scheme			Examination Scheme			Credits
		L	T	P	T1	T2	ESE	
1	Signal and Telecommunication Engineering	4		2	20	20	60	5
2	Metro Rail Engineering-1	4		2	20	20	60	5
3	Metro Rail Engineering-2	4		2	20	20	60	5
4	Project Work	4		2	20	20	60	5
5	Underground Structures	4		2	20	20	60	5
6	Lab 2			2	20	20	60	2
							Total	27
							Grand Total Credits	54

**Annexure 3: List of two Subject Experts of the Board of Studies of each Department outside the University to be nominated by Academic Council**

<b>Department</b>	<b>Details of Nominee in BoS</b>
<b>Civil Engineering</b>	<ol style="list-style-type: none"> <li>1. Dr. K. S. Gumaste, Professor, Civil Engineering, Walchand College of Engineering Sangli, Sangli</li> <li>2. Prof. Manish Kumar, Assistant Professor, Civil Engineering, IIT Bombay</li> </ol>
<b>Planning</b>	<ol style="list-style-type: none"> <li>1. Dr. Mahavir, Professor, School of Planning and Architecture, Delhi</li> <li>2. Prof. Nikhil Ranjan Mandal, Professor, School of Planning and Architecture, Bhopal</li> </ol>
<b>Computer Engineering and Information Technology</b>	<ol style="list-style-type: none"> <li>1. Prof. Uday Khedkar, Professor, CSE, IIT Bombay</li> <li>2. Prof. Bharat Adsul, Professor, CSE, IIT Bombay</li> </ol>
<b>Electrical Engineering</b>	<ol style="list-style-type: none"> <li>1. Prof. B. G. Fernandes, Professor, Electrical Engineering, IIT Bombay</li> <li>2. Prof. Abhijit Abhyankar, Professor, Electrical Engineering, IIT Delhi</li> </ol>
<b>Electronics and Tele Communication Engineering</b>	<ol style="list-style-type: none"> <li>1. Prof. Vikram M. Gadre, Professor, Electrical Engineering IIT Bombay</li> <li>2. Dr.V.B. Dharmadhikari, Associate Professor, Electronics Engineering, Walchand College of Engineering, Sangli</li> </ol>
<b>Instrumentation and Control Engineering</b>	<ol style="list-style-type: none"> <li>1. Dr. Kishalay Mitra, Associate Professor, Chemical Engineering, IIT Hyderabad</li> <li>2. Dr. Hrishikesh Kulkarni, Assistant Professor, Electronics and Electrical Engineering, IIT Guwahati</li> </ol>
<b>Mechanical Engineering</b>	<ol style="list-style-type: none"> <li>1. Dr. B. P. Puranik, Professor, Mechanical Engineering, IIT Bombay</li> <li>2. Dr. V. M. Phalle, Associate Professor in Mechanical Engg., V.J.T.I., Bombay</li> </ol>

<b>Metallurgy and Material Science</b>	<ol style="list-style-type: none"> <li>1. Prof. Ajit Kulkarni, Institute Chair Professor, Metallurgical Engg. and Materials Science, IIT Bombay</li> <li>2. Prof. Nityanand Prabhu, Professor, Metallurgy and Materials Science, IIT, Bombay</li> </ol>
<b>Production Engineering and Industrial Management</b>	<ol style="list-style-type: none"> <li>1. Prof. V. Radhakrishnanan, Professor, Indian Institute of Space Science and Technology, Kerala</li> <li>2. Prof. Shounak Kumar Chaoudhary, Professor, Mechanical Engineering, Indian Institute of Technology, Kanpur</li> </ol>
<b>Mathematics</b>	<ol style="list-style-type: none"> <li>1. Dr. Amot Hogadi, Mathematics, IC SER Pune</li> </ol>
<b>Physics</b>	<ol style="list-style-type: none"> <li>1. Dr. Sunil Nair, Associate Professor, Physics, IISER, Pune</li> </ol>
<b>Applied Science</b>	<ol style="list-style-type: none"> <li>1. Dr. Anand Godse, Associate Professor, Psychology, School of Vedic Science.MIT ADT University, Pune</li> <li>2. Dr. S. Radhakrishnan, Professor Emeritus and Director Research, Development and Innovation, MIT-World Peace University, Pune</li> </ol>




**Annexure 4: List of UG Programme wise toppers and Rank holders qualified for the Institute Gold Medals**

Sr. No	PRN No.	Name of Students	Programme Name	CGPA
1	111501051	Shinde Priti Suresh	Civil Engineering	9.43
2	141603003	Desai Vinay Prakash	Computer Engineering	9.65
3	111505039	Rajopadhye Tejas Dhananjay	Electrical Engineering	8.82
4	111505016	Hrishikesh P Kale	Electronics and Telecommunication Engineering	9.62
5	111508012	Balasubramanian M	Information Technology	9.44
6	111509027	Pradnya Gorakshanath Sabale	Instrumentation and Control Engineering	9.12
7	111510115	Sane Siddharth Nitin	Mechanical Engineering	9.65
8	111511018	Joshi Abhijeet Chintamani	Metallurgical Engineering	9.21
9	111514054	Darak Sakshi Omprakash	Planning	9.11
10	141613008	Lolge Prafull Prakash	Production Engineering (Sandwich)	9.19
11	111513047	Patil Tanvi Abhay	Production Engineering (Sandwich)	9.06

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