



**Board of Studies of Freshman Engineering Program  
(2015-16)**

**Date: 14.07.2015**

**Time: 11.00 a.m.**

**Venue: Senate Hall**

**Agenda for BOS Freshman Engineering Program**

1. Framing of first and second semester schemes for BE program considering the scheme and syllabus of BVB Autonomous as base to start with.
2. Syllabus changes if any suggestions by Maths, Physics, Chemistry, Humanities and CEER
3. Syllabus changes in any Engineering courses.
4. Any other subject with the permission of the Chair.

**Minutes of the Meeting**

Following are the minutes of the meeting held as mentioned above.

1. The schemes for the 1<sup>st</sup> and 2<sup>nd</sup> semesters for all the Engineering Programs have been reviewed, considering BVB College of Engineering autonomous syllabus as the base.
2. Maths, Physics and Chemistry courses syllabus have been thoroughly discussed and few recommendations were accepted as mentioned below.
  - i. To introduce Chapter 4 of Physics of Electrical Science to Mechanical Stream also, these students need for understanding non-conventional machining operations. Atomic theory also to be added.
  - ii. Chemistry taught to Mechanical stream to Ferrous and Non-ferrous metals in materials and Environmental Chemistry.
3. Following suggestions have been made.
  - i. Technical Report writing to be taught to students in Professional communication course
  - ii. Humanities department have to fall in line with the Institute for number of hours of semester end examination.
  - iii. Humanities course Social Innovation/ Professional communication have to divide their CIE and SEE as 80+ 20 or 50+50 to fall in line the Institute.
  - iv. C Programming to cover the history and add some hardware content while handling classes.
4. All the Engineering courses syllabus resolved in respective BOS of each department have been revisited for overall understanding for all the Members.



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5. BOS permitted Chairperson to finalize the Course content for the Engineering Exploration, new course being introduced in line with Virginia Tech, University, after due deliberations.
6. BOS resolved to accept both the Scheme and Syllabus with due implementation of suggestions.

Chairman

Freshman Engineering Program Coordinator

Prof. T. Veeramahantesh Swamy

14.07.2015

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**Board of Studies of Freshman Engineering Program  
(2015-16)  
Meeting Attendance**

**Date: 14.07.2015**

**Time: 11.00 a.m.**

**Venue: Senate Hall**

Serial No.	Name of the Person	Designation	Signature
1	Prof. T.Veeramahantesh Swamy	Chairperson	
2	Dr. G.B.Marali. HOD, Maths	Member	
3	Dr. S.B.Kapatkar. HOD, Physics	Member	
4	Prof. B.S.Shettar. HOD, Chemistry	Member	
5	Prof.G.H.Joshi, CEER	Member	Leave of Absence
6	Prof. L.R. Basavaraja, Civil	Member	
7	Dr.G.U.Raju, Mech	Member	
8	Prof. Rohini Jyoti, E & E (Kiron, R.P)	Member	
9	Prof. Prashant Achari, E&C	Member	
10	Prof. Vidya S.Handur, CSE	Member	
11	Prof.Sujata Toragalmath, Humanities	Member	
12	Prof.S.G. Kambalimath, E&C Department., BEC, Bagalkot.	Member	Leave of Absence
13	Dr.Nagesha N. Dept. of Industrial & Production Engg., UBDT, Davanagere	Member	

14.07.2015

Freshman Engineering Program Coordinator  
Prof.T.Veeramahantesh Swamy



## **Board of Studies of Freshman Engineering Program (2016-17)**

**Date: 06.04.2016**

**Time: 2.00 p.m.**

**Venue: Senate Hall**

### **Agenda for BOS Freshman Engineering Program**

1. Revisiting of first and second semester schemes for BE program.
2. Syllabus changes if any suggestions by Maths, Physics, Chemistry, Humanities and CEER.
3. Syllabus changes if any in Basic Electrical Engineering.
4. Any other subject with the permission of the Chair.

### **Minutes of the Meeting**

Following are the minutes of the meeting held as mentioned above.

1. The schemes for the 1<sup>st</sup> and 2<sup>nd</sup> semesters for all the Engineering Programs have been reviewed.
2. All the Engineering courses syllabus resolved in respective BOS of each department have been revisited for overall understanding for all the Members.
3. Maths, Physics and Chemistry courses syllabus have been thoroughly discussed.
4. Few explanations/changes were presented and accepted as mentioned below.
  - i. C Programming lab shall contain theory testing approach in the next academic year in their evaluation.
  - ii. **Basic Electrical Engineering: 16EEEF101 & 16EEEF102**  
For both Mechanical and Electrical Sciences stream Batteries chapter has been added.
  - iii. **Physics Lab: 16EPHP101 for MSS and 16EPHP102 for ESS**
    - Provide more scope for exercise type of experiments leading to variations from batch to batch.
    - Addition of 02 experiments in Electrical Sciences stream and 07 experiments in Mechanical Sciences stream.
    - Provide hands on experimental learning to all students.
  - iv. **Engineering Exploration: 15ECRP101**
    - Give need statements that need multi-disciplinary knowledge and skills.





- Increase Engineering Design by six to eight hours. Remove role of analysis In engineering, Analysis Methodology and Data analysis & Graphing modules to adjust the time required.
  - Reduction of three hours of ethics module and allotting the same time to sustainability module.
  - Increase the course project mentoring and review sessions by fifteen more hours.
  - Introduce Arduino for students' projects.
- v. **SOCIAL INNOVATION (15EHSP101)**
- Students engage with Primary Stakeholders to get insights through community visits.
  - Students undergo brainstorm session on the multiple solutions to zero down the best solution through a Story-board activity.
  - Students have a brainstorm session with the expert before finalizing the best, feasible and sustainable solution.

5. BOS resolved to accept both the Scheme and Syllabus with due implementation of suggestions.

06.04.2016

Chairman  
Freshman Engineering Program Coordinator  
Prof.T.Veeramahantesh Swamy

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KLE Technological University  
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**Board of Studies of Freshman Engineering Program  
(2016-17)  
Meeting Attendance**

Date: 06.04.2016

Time: 02.00 p.m.

Venue: Senate Hall

Serial No.	Name of the Person	Designation	Signature
1	Prof. T. Veeramahantesh Swamy	Chairperson	
2	Dr. G.B.Marali, HOD, Maths	Member	Leave of Absence
3	Dr. S.B.Kapatkar, HOD, Physics	Member	
4	<del>Prof. D.S.Shelar, HOD, Chemistry</del> Dr. V. C. Attavarak	Member	
5	Prof.G.H.Joshi, CEER	Member	Prof. G.H. Joshi 06/04/16
6	Prof. L.R. Basavaraja, Civil	Member	
7	Dr.G.U.Raju, Mech	Member	
8	Prof. Rohini Jyoti, E & E	Member	Raj 06/04/16
9	Prof. Prashant Achari, E&C	Member	Leave of Absence
10	Prof. Vidya S.Handur, CSE	Member	
11	Prof.Sujata Toragalmath, Humanities	Member	
12	Prof.S.G. Kambalimath, E&C Department., B.E.C. Bagalkot.	Member	Leave of Absence
13	Dr.Nagesha N. Dept. of Industrial & Production Engg., UBDT, Davanagere	Member	

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Freshman Engineering Program Coordinator  
Prof.T.Veeramahantesh Swamy

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**Board of Studies of Freshman Engineering Program  
(2017-18)**

**Date: 15.04.2017      Time: 11.00 a.m.      Venue: Senate Hall (Main Building)**

**Agenda for BOS Freshman Engineering Program**

1. Revisiting of first and second semester schemes for BE program.
2. Syllabus changes if any suggestions by Maths, Physics, Chemistry, Humanities and CEER.
3. Syllabus changes in engineering courses if any.
4. Any other subject with the permission of the Chair.

**Minutes of the Meeting**

Following are the minutes of the BOS meeting held on the 15<sup>th</sup> April, 2017.

1. The schemes for the 1<sup>st</sup> and 2<sup>nd</sup> semesters for all the Engineering Programs have been reviewed.
2. All the Engineering courses syllabus resolved in respective BOS of each department have been revisited for overall understanding for all the Members.
3. No changes have proposed for any course for both Mechanical and Electrical Science programs. Resolved to main the same scheme of syllabus of the previous academic year 2016-17.
4. Under Engineering Exploration project nearly 250 projects have been executed and exhibited also on the campus, showcasing students' ability to design and fabricate models. This has been brought to the awareness all members.

Chairman

Freshman Engineering Program Coordinator  
Prof. T. Veeramahantesh Swamy

15.04.2017

**REGISTRAR**  
KLE Technological University  
HUBBALLI-580 031.



**Board of Studies First Year Engineering Program**  
**(2017-18)**

**Meeting Attendance**

**Date: 15.04.2017 Time: 11.00 a.m.**

**Venue: Senate Hall, Main Bldg.**

Sl. No.	Name of the Person	Designation	Signature
1.	Prof.T.Veeramahantesh Swamy	Chairman	
2.	Dr.G.B.Marali, HOD Maths	Member	
3.	Dr.S.B.Kapatkar, HOD Physics	Member	
4.	Dr.V.C.Havanur, HOD Chemistry	Member	
5.	Prof.Sujata Toragalmath, Humanities	Member	
6.	Prof.G.H.Jooshi, HOD CEER	Member	Dr.G. #Jooshi
7.	Prof.L.R.Basavaraja, Civil	Member	
8.	Prof.G.U.Raju, Mechanical	Member	
9.	Prof.Rohini Jyoti, Electrical	Member	
10.	Prof.Prashant Achari, Electronics	Member	
11.	Prof.Vidya Handur, Computer Science	Member	
12.	Dr.S.G.Kambslimath, E&C, BEC, Bagalkot.	Member	leave of absence
13.	Dr.Nagesha N., Dept. of IP, UBDT, Davanagere	Member	leave of absence

15.04.2017

First Year Engineering Program Coordinator  
Prof.T.Veeramahantesh Swamy

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## **Board of Studies of Freshman Engineering Program (2018-19)**

**Date: 13.04.2018**

**Time: 11.00 a.m.**

**Venue: Senate Hall (Main Building)**

### **Agenda for BOS Freshman Engineering Program**

1. Revisiting of first and second semester schemes for BE program.
2. Syllabus changes if any suggestions by Maths, Physics, Chemistry, Humanities and CEER.
3. Syllabus changes in Basic electrical Engineering, Basic electronics and Problem solving in Data Structures (new course)
4. Any other subject with the permission of the Chair.

### **Minutes of the Meeting**

Following are the minutes of the BOS meeting held on the 13<sup>th</sup> April, 2018.

1. The schemes for the 1<sup>st</sup> and 2<sup>nd</sup> semesters for all the Engineering Programs have been reviewed.
2. All the Engineering courses syllabus resolved in respective BOS of each department have been revisited for overall understanding for all the Members.
3. Maths, Physics and Chemistry courses syllabus have been thoroughly discussed.
4. Maths has been reshuffled and renamed with new titles as mentioned below.
  - a. Single Variable Calculus and Multivariable Calculus (New Titles) from Analytical Geometry and Calculus and Multivariate Calculus and Differential Equations (Old Titles) Study using Matlab has been introduced for both courses.

#### **Single Variable Calculus**

- i. Calculus concepts have been introduced to understand and solve the engineering problems.
- ii. 3-dimensional geometry has been introduced
- iii. Also the practice has been shifted from tablet to laptop with MATLAB

#### **Multivariable Calculus**

- i. Calculus concepts for functions with more variables has been introduced to solve the engineering problems
- ii. Differential equations has been introduced to formulate mathematical models for engineering problems
- iii. Also the practice has been shifted from tablet to laptop with MATLAB.



b. Few explanations/changes were presented and accepted as mentioned below.

**Basic Electrical Engineering (18EEEF101) and (EEEF102)**

- A chapter on introduction to Power Electronic Converters is included in Unit-II for both courses.

**Basic Electronics (18EECF102)(ESS)**

- As per the Pre-BoS, MoM, some content was added in the few chapters to enhance the knowledge of students.
- Number of hours within the chapters were exchanged, Shuffling of chapters within the units.

**Basic Electronics (18EECF101)(MSS)**

- As per the Pre-BOS MoM Stream the logical reduction technique up to 2-3 variables is introduced for helping the students to design the electronic circuits required for interfacing.
- Change in the course code of the course

c. "Programming in C" course title has been changed to "C Programming for Problem Solving".

d. Electrical Sciences students shall learn a course "Problem solving with Data Structures" instead of Computer Aided Engineering Drawing at second semester.

**Course: Problem Solving with Data Structures (18ECSP102)**

This course is introduced to only Electrical Science Stream Students in lieu of Computer Aided Engineering Drawing course (15EMEP101).

The new course is introduced for second semester students to strengthen the programming fundamentals, build logical thinking by applying problem solving skills and explore online coding challenges.

5. An elective course for 7<sup>th</sup> /8<sup>th</sup> semester Mechanical Science students has been floated by the Department of Chemistry titled "Corrosion and its management". Discussed and approved.
6. BOS resolved to accept both the Scheme and Syllabus with due implementation of suggestions.

13.04.2018

Chairman

Freshman Engineering Program Coordinator  
Prof.T.Veeramahantesh Swamy














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**Board of Studies of Freshman Engineering Program  
 (2018-19)  
Meeting Attendance**


**Date: 13-04-2018**

**Time: 11.00 a.m.**

**Venue: Main Building Senate Hall**

Serial No.	Name of the Person	Designation	Signature
1	Prof. T.Veeramahantesh Swamy	Chairperson	
2	Dr. G B Marali, HOD, Maths	Member	
3	Dr. S B Kapatkar, HOD, Physics	Member	
4	Dr. V C Havanur, HOD, Chemistry	Member	
5	Dr. Sanjay Kotabagi, Humanities	Member	
6	Prof. Preethi Baligar, CEER	Member	
7	Prof. L R Basavaraja, Civil	Member	
8	Prof. Sanjeev Kavale, Mechanical	Member	
9	Prof. Rohini Jyoti, E & E	Member	
10	Prof. Suneeta Budihal, E&C	Member	
11	Prof. Vidya S.Handur, CSE	Member	
12	Dr. Arun Chauhan Dept. of Computer Science Engg., IIT, Dharwad	Member	
13	Dr. Nagesha N Dept. of Industrial & Production Engg., UBDT, Davanagere	Member	 13/4/18

13-04-2018

  
 Freshman Engineering Program Coordinator  
 Prof.T.Veeramahantesh Swamy

  
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**HUBBALLI-580 031**



## **Board of Studies of Freshman Engineering Program (2019-20)**

**Date: 13.04.2019**

**Time: 11.00 a.m.**

**Venue: Senate Hall (Main Building)**

### **Agenda for BOS Freshman Engineering Program**

1. Revisiting of first and second semester schemes for BE program.
2. Syllabus changes if any suggestions by Maths, Physics, Chemistry, Humanities and CEER.
3. Syllabus changes in engineering courses if any.
4. Any other subject with the permission of the Chair.

### **Minutes of the Meeting**

Following are the minutes of the BOS meeting held on the 13<sup>th</sup> April, 2019.

1. The schemes for the 1<sup>st</sup> and 2<sup>nd</sup> semesters for all the Engineering Programs have been reviewed.
2. All the Engineering courses syllabus resolved in respective BOS of each department have been revisited for overall understanding for all the Members.
3. No changes have proposed for any course for both Mechanical and Electrical Science programs. Resolved to main the same scheme of syllabus of the previous academic year 2018-19.
4. Introduction and practice of MATLAB has improved the ability of students to do analysis of graph.

Chairman

Freshman Engineering Program Coordinator  
Prof.T.Veeramahantesh Swamy

13.04.2019

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KLE Technological University  
HUBBALLI-580 031.





**Board of Studies First Year Engineering Program**

**(2019-20)**

**Meeting Attendance**

**Date: 13.04.2019**

**Time: 11.00 a.m.**

**Venue: Senate Hall, Main Bldg.**

Sl. No.	Name of the Person	Designation	Signature
1.	Prof.T.Veeramahantesh Swamy	Chairman	
2.	Dr.G.B.Marali, HOD Maths	Member	
3.	Dr.S.B.Kapatkar, HOD Physics	Member	
4.	Dr.V.C.Havanur, HOD Chemistry	Member	
5.	Dr.Sajay Kotabagi, HOD Humanities	Member	
6.	Prof.Preethi Baligar, CEER	Member	
7.	Prof.L.R.Basavaraja, Civil	Member	
8.	Prof.Sanjeev Kavale, Mechanical	Member	
9.	Prof.Rohini Jyoti, Electrical	Member	
10.	Prof.Sunita Budihal, Electronics	Member	
11.	Prof.Vidya Handur, Computer Science	Member	
12.	Dr.Arun Chauhan, Dept. of CSE, IIT, Dharwad.	Member	Leave of Absence
13.	Dr.Nagesha N., Dept. of Industrial & Production Engg. UBDT, Davanagere	Member	Leave of Absence

13.04.2019

First Year Engineering Program Coordinator

Prof.T.Veeramahantesh Swamy

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