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Earlier known as
B. V. B. College of Engineering & Technology

Extract of the minutes of

1st Academic Council Meeting

Of

KLE Technological University,

Hubballi, Karnataka

July 22nd, 2015

Pertaining to:

1. Approval of curriculum proposed by the BOS
2. Courses having focus on employability, entrepreneurship and skill development.
3. Implementation of Choice Based Credit System (CBCS)

REGISTRAR
KLE Technological University
HUBBALLI-580 031

Agenda

Sl No	Particulars	Page No
1	To consider and approve 'Academic Regulations, Service Rules (framed as per the service rules & policies of KLE Society), Delegation of Financial Powers, Conduct of Convocation and regarding installation of Medals and Prizes of KLE Technological University' framed as per the provisions of 'KLE Technological University Act – 2012'.	1
2	To consider and approve the Undergraduate and Postgraduate programs that are to be instituted by the University from the academic year 2015-16.	2
3	To discuss and approve the broad curriculum framework for various academic programs of the University.	4
4	To consider the scheme of study and syllabus of first year for all the programs starting from 2015-16, as recommended by the respective Board of Studies and approve the same.	8
5	Any other subject with the permission of the Chair.	9
6	Annexure-1a	10
	Annexure -1b	51
	Annexure -1c	75
	Annexure -1d	77
7	Annexure-2	82

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Agenda 1.4

To consider the scheme of study and syllabus of first year for all the programs starting from 2015-16, as recommended by the respective Board of Studies and approve the same.

The different Boards of studies constituted for different programs of the college, namely, B.E., B.Arch., M. Tech., M.C.A. and MBA have recommended the syllabi for 2015-16. The recommended syllabi for: i) I & II Semesters of B.E., B.Arch., M.Tech, M.C.A, and M B A Programs program are to be approved. The syllabi are placed before the council. The scheme for 2015-19, batch is to be approved.

Details are given in annexure - 2

Action Requested: **The Academic Council is requested to discuss and approve the syllabi of all the academic programs placed before it and the scheme for the academic batch 2015-16.**

2015-19 batch: Schemes of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.Tech (I to IV Semesters), MCA (I to VI Semesters), and M.B.A (I to IV Semesters),

2015-16 batch: Syllabi of I & II Semesters of B.E, B.Arch., M.Tech, MCA and M.B.A programs

Discussion:

Members discussed the subject matter in detail and suggested following things for development of continuing education services:

- Appreciating University's idea of having 'Engineering Exploration' course in first year, 'Engineering Design Process' in second year, theme based mini & minor -projects in third year and capstone project in final year; recommended to document the students learning and publish paper in reputed international journals as industries are interested to train their employees in 'Design Thinking'.

- Produce a video that will be used to market 'design Thinking' idea to industries.

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Resolution 1.4: Resolved to approve the syllabi of all the academic programs placed before it and the scheme for the academic batch 2015-16.

2015-19 batch: Schemes of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.Tech (I to IV Semesters), MCA (I to VI Semesters), and M.B.A (I to IV Semesters),

2015-16 batch: Syllabi of I & II Semesters of B.E, B.Arch., M.Tech, MCA and M.B.A programs

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Extract of the minutes of

3rd Academic Council Meeting

Of

KLE Technological University,

Hubballi, Karnataka

May 4th, 2016

Pertaining to:

1. Approval of curriculum proposed by the BOS.
2. Courses having focus on employability, entrepreneurship and skill development.
3. New courses introduced and revision of syllabus.
4. Implementation of Choice Based Credit System (CBCS).
5. Structured feedback of design and review of syllabus.

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4th May 2016

MEETING NOTICE

As per the directions of the Honorable Vice Chancellor, the 3rd meeting of the Academic Council of KLE Technological University, Hubballi is scheduled on Saturday, the 14th May, 2016, at 10:00 a.m. in the Senate hall of the KLE Technological University, B. V. B. College Campus, Hubballi. The agenda for the meeting is given below. All the members are requested to make it convenient to attend the meeting.

AGENDA

Item No.	Particulars
AC 3.1	To read and confirm the minutes of the previous meeting held on 5th December 2015
AC 3.2	To confirm the action taken report on the minutes of the previous meeting held on 5th December 2015
AC 3.3	To consider the Syllabi of 2016-20 batch as listed below of all academic programs as recommended by respective Boards of studies and approve the same: I. I & II Semesters of B.E. and B.Arch. programs II. I & II Semesters of M.Tech, M.C.A and M.B.A programs
AC 3.4	To consider the Schemes and Syllabi as listed below of all academic programs of 2015-19 batch as recommended by respective Boards of studies and approve the same: I. III & IV Semesters of B.E. and B.Arch. programs II. III & IV Semesters of M.Tech, M.C.A and M.B.A programs
AC 3.5	To consider the Schemes for all programs of all the semesters of 2016-20 batch
AC 3.6	To discuss the proposed changes in Regulations governing UG & PG programs and approve the same
AC 3.7	Ratification of Board of Studies and Board of Examiners
AC 3.8	Approval of Results
AC 3.9	Any other subject with the permission of the Chair

Registrar

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AC 3.3	To consider the Syllabi of 2016-20 batch as listed below of all academic programs as recommended by respective Boards of Studies and approve the same: i. I & II Semesters of B.E. and B.Arch. programs ii. I & II Semesters of M.Tech, M.C.A and M.B.A programs
	The different Boards of studies constituted for different programs of the college, namely, B.E., B.Arch., M. Tech., M.C.A. and MBA have recommended the syllabi for 2016-17. The recommended syllabi for: i) I & II Semesters of B.E. and B.Arch. programs ii) I & II Semesters of M.Tech, M.C.A and M.B.A programs The syllabi are placed before the council. The syllabi for 2016-17, batch is to be approved.

Action Requested: The Academic Council is requested to discuss and approve the syllabi of all the academic programs placed before it for the academic batch 2016-17.

2016-17 Batch: I & II Semesters of B.E. and B.Arch. programs

2016-17 Batch: I & II Semesters of M.Tech, M.C.A and M.B.A programs

Discussion:

Resolution 3.3: Resolved to approve the Syllabi of 2016-20 batch as listed below of all academic programs as recommended by respective Boards of Studies:

2016-17 Batch: I & II Semesters of B.E. and B.Arch. programs

2016-17 Batch: I & II Semesters of M.Tech, M.C.A and M.B.A programs

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AC 3.4	To consider the Schemes and Syllabi as listed below of all academic programs of 2015-19 batches as recommended by respective Boards of studies and approve the same:
	i. III & IV Semesters of B.E. and B.Arch. programs
	ii. III & IV Semesters of M.Tech, M.C.A and M.B.A programs
	The different Boards of studies constituted for different programs of the college, namely, B.E., B.Arch., M. Tech., M.C.A. and MBA have recommended the syllabi for 2015-19 batches of:
	(i) III & IV Semesters of B.E., and B.Arch programs
	(ii) III & IV Semesters of M.Tech, M.C.A and M.B.A programs
	The syllabi are placed before the council. The syllabi for 2016-17, batch is to be approved.

Action Requested: The Academic Council is requested to discuss and approve the syllabi of all the academic programs placed before it.

I.   III & IV Semesters of B.E., and B.Arch.programs

II.   III & IV Semesters of M.Tech, M.C.A and M.B.A programs

Discussion:

Resolution 3.4: Resolved to approve the Schemes and Syllabi of all academic programs as listed below of 2015-19 batches as recommended by their respective Boards of studies:

I.   III & IV Semesters of B.E., and B.Arch.programs

II.   III & IV Semesters of M.Tech, M.C.A and M.B.A programs

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AC 3.5	To consider the Scheme for all programs of all the semesters of 2016-20 batch
	The different Boards of studies constituted for different programs of the college, namely, B.E., B.Arch., M. Tech., M.C.A. and MBA have recommended the schemes for 2016-2020 batch. The scheme for 2016-20 batch is to be approved

Action Requested: The Academic Council is requested to discuss and approve the schemes of all the academic programs placed before it for the academic batch 2016-20.
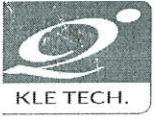
2016-20 batch: Schemes of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to IV Semesters), M.Tech (I to IV Semesters), MCA (I to VI Semesters)

Discussion:

Resolution 3.5: Resolved to approve the schemes of all the academic programs placed before it for the academic batch 2016-20.

2016-20 batch: Schemes of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to IV Semesters), M.Tech (I to IV Semesters), MCA (I to VI Semesters)

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Extract of the minutes of

5th Academic Council Meeting

Of

KLE Technological University,

Hubballi, Karnataka

July 29th, 2017

Pertaining to:

1. Approval of curriculum proposed by the BOS.
2. Courses having focus on employability, entrepreneurship and skill development.
3. New courses introduced and revision of syllabus.
4. Implementation of Choice Based Credit System (CBCS) and Elective Course System (ECS)
5. Structured feedback of design and review of syllabus.

REGISTRAR
KLE Technological University
HUBBALLI-580 031

Agenda

Sl No	Particulars
5.1	To read and confirm the minutes of the previous meeting held on 17th December 2016
5.2	To confirm the action taken report on the minutes of the previous meeting held on 17th Dec. 2016
5.3	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) V & VI Semesters of B.E.(2015-19) and B.Arch. (2015-20) programs b) V & VI Semesters of M.C.A program (2015-18)
5.4	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) III & IV Semesters of B.E. (2016-20) and B.Arch. (2016--21) programs b) III & IV Semesters of M.Tech (2016-18) and M.B.A (2016-18) programs c) III, IV, V & VI Semesters of M.C.A (2016-19)

5.5	To consider and approve the recommendations of the respective Boards of studies for the academic programs mentioned below:
	a) Schemes for batches starting from 2017, of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters).
	b) Syllabi for batches starting from 2017 of following programs:
	   i. I & II Semesters of B.E. and B.Arch.
	   ii. I & II Semesters of M.Tech, M.C.A
	   iii. I, II & III Terms of M.B.A
	   iv. I & II Semesters of B.Sc (Electronics-Industry Track)

5.6	To discuss the proposed changes in Rules and Regulations governing UG & PG programs and approve the same
5.7	To review progress of implementation of PhD programmes (Information agenda)
5.8	To ratify Board of Studies and Board of Examiners
5.9	To discuss and approve results of previous examinations
5.10	To approve the proposed Grade cards for UG, PG & PhD programmes
5.11	To approve the formats proposed for the Degree Certificates of MTech and MBA programmes
5.12	Any other subject with the permission of the Chair

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AC 5.3	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: **a) V & VI Semesters of B.E.(2015-19) and B.Arch. (2015-20) programs** **b) V & VI Semesters of M.C.A program (2015-18)**
	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., and M.C.A. have recommended the syllabi for 5th and 6th semesters of 2015-19 (BE); 2015-2020 (B.Arch) and 2015-2018 (MCA) batches.

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, B.Arch and MCA Programmes placed before it.

Discussion:

Resolution 5.3: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies:

a)   **V & VI Semesters of B.E.(2015-19) and B.Arch. (2015-20) programs**

b)   **V & VI Semesters of M.C.A program (2015-18)**

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AC 5.4	TO consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) III & IV Semesters of B.E. (2016-20) and B.Arch. (2016-21) programs b) III & IV Semesters of M.Tech (2016-18) and M.B.A (2016-18) programs c) III, IV, V & VI Semesters of M.C.A (2016-19)
	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., and M.C.A. have recommended the syllabi for 3rd and 4th semesters of 2016-20 (BE); 2016-2021 (B.Arch); 2016-2019 (MCA) and 2016-2018 (M.Tech & MBA).

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, B.Arch, M.Tech, MCA and MBA Programmes placed before it.

Discussion:

Resolution 5.4: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies:

a) III & IV Semesters of B.E. (2016-20) and B.Arch. (2016-21) programs

b) III & IV Semesters of M.Tech (2016-18) and M.B.A (2016-18) programs

c) III, IV, V & VI Semesters of M.C.A (2016-19)

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AC 5.5	To consider and approve the recommendations of the respective Boards of studies for the academic programs mentioned below:
	
	a) Schemes for batches starting from 2017, of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters).
	
	b) Syllabi for batches starting from 2017 of following programs:
	
	  i. I & II Semesters of B.E. and B.Arch.
	
	  ii. I & II Semesters of M.Tech, M.C.A
	
	  iii. I, II & III terms of M.B.A
	
	  iv. I & II Semesters of B.Sc (Electronics-Industry Track)

	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., M. Tech., M.C.A. and MBA have recommended the schemes for BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to IV Semesters), M.Tech (I to IV Semesters), MCA (I to VI Semesters) and syllabi for 1st and 2nd semesters of 2017-21 (BE); 2017-2022 (B.Arch); 2017-2020 (MCA); 2017-2019 (M.Tech & MBA) and 2017-2020 (B.Sc) batches. The scheme and syllabi is to be approved.

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, B.Arch, M.Tech, MCA MBA and B.Sc Programmes placed before it.

Discussion:

Resolution 5.5: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies:

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a)   Schemes for batches starting from 2017, of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters).

b)   Syllabi for batches starting from 2017 of following programs:

  i.   I & II Semesters of B.E. and B.Arch.

  ii.   I & II Semesters of M.Tech, M.C.A

  iii.   I, II & III terms of M.B.A

  iv.   I & II Semesters of B.Sc (Electronics-Industry Track)

REGISTRAR
KLE Technological University
HUBBALLI-580 031

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Extract of the minutes of

6th Academic Council Meeting

Of

KLE Technological University,

Hubballi, Karnataka

March 3rd, 2018

Pertaining to:

1. Approval of curriculum proposed by the BOS.
2. Courses having focus on employability, entrepreneurship and skill development.
3. New courses introduced and revision of syllabus.
4. Implementation of Choice Based Credit System (CBCS).
5. Structured feedback of design and review of syllabus.

REGISTRAR
KLE Technological University
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Minutes

6th Academic Council Meeting

of

KLE Technological University,

Hubballi, Karnataka

March 03, 2018

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(Established under Karnataka Act No.22, 2013)

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AC 6.4	**To consider and approve proposed changes in curriculum structure of first year**
	Curriculum modification involves change to a range of educational components in a curriculum, such as content knowledge, the method of instruction, assessment and student's learning outcomes, through the alteration of materials and programs to meet the ever changing needs of the stake holders. In view of this following changes have been proposed to the curriculum structure of first year. • **Replace 'Computer Aided Engineering Drawing' course by 'Data Structures' for Electrical Science (E&E, E&C and CS) students.** • **Sequence of course to be 'C-Programming' course in first semester followed by 'Data Structure' course in second semester.**

Action Requested: The Academic Council is requested to consider and approve proposed changes in curriculum structure of first year

Discussion: Members agreed to the proposal, however Prof. Manjunath expressed the need to offer CAED course as an elective so that those who are interested are not deprived.

Resolution 6.4: Resolved to approve the following changes in the curriculum structure of first year:

a) **Introduction of 'Data Structures' course for Electrical Science (E&E, E&C and CS) stream in place of 'Computer Aided Engineering Drawing' course.**

b) **Rearrange the sequence of courses - 'C-Programming' course in first semester followed by 'Data Structure' course in second semester**

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AC 6.5	To ratify the Schemes and Syllabi of Undergraduate Minor Programme in 'Bioengineering' as recommended by the Mechanical Engineering Board of studies.
	KLE Technological University strives to produce Engineers with multidisciplinary skills and abilities, to succeed in the technologically complex world. Earning a minor degree along with engineering major degree is a great way to broaden education, enhance technical, managerial and business skills. Minors are intended to encourage and officially acknowledge the attainment of a fair measure of expertise and knowledge in more than one academic field, with the goal of broadening a student's education, and have an advantage in the competitive job market.

KLE Tech offers multi-term, on campus minors consisting of 15 Credits of course work specified by the School / Department / Centre offering the minor.

The Board of studies of Mechanical Engineering has recommended the syllabi for **Undergraduate Minor Programme in 'Bioengineering'.** The programme curriculum is being developed in collaboration with BSSE (BioSystems Science and Engineering), IISc, Bangalore. |

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the Undergraduate Minor Programme in 'Bioengineering'.

Discussion:

Resolution 6.5: Resolved to ratify the Schemes and Syllabi of Undergraduate Minor Programme in 'Bioengineering', which was recommended by the Mechanical Engineering Board of studies and offered to 4ᵗʰ semester students of 2016-17 batches.

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Extract of the minutes of

7th Academic Council Meeting

Of

KLE Technological University,

Hubballi, Karnataka

April 28th, 2018

Pertaining to:

1. Approval of curriculum proposed by the BOS.
2. Courses having focus on employability, entrepreneurship and skill development.
3. New courses introduced and revision of syllabus.
4. Implementation of Choice Based Credit System (CBCS).
5. Structured feedback of design and review of syllabus.

REGISTRAR
KLE Technological University
HUBBALLI-580 031

Agenda

Sl No	Particulars	Page Nos.
7.1	To read and confirm the minutes of the previous meeting held on 3rd March 2018	1
7.2	To confirm the action taken report on the minutes of the previous meeting held on 3rd March 2018	4
7.3	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) VII & VIII Semesters of B.E.(2015-19) and b) B.Arch. (2015-20) programs	8
7.4	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) V & VI Semesters of B.E.(2016-20) and B.Arch. (2016-21) programs b) V & VI Semesters of M.C.A program (2016-19)	10
7.5	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) III & IV Semesters of B.E. (2017-21) and B.Arch. (2017--22) programs b) III & IV Semesters of M.Tech (2017-19) and IV, V & VI Terms of M.B.A (2017-19) programs c) III & IV Semesters of M.C.A (2017-20)	11
7.6	To consider and approve the recommendations of the respective Boards of studies for the academic programs mentioned below: a) Schemes for batches starting from 2018, of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters). b) Syllabi for batches starting from 2017 of following programs: i. I & II Semesters of B.E. and B.Arch. ii. I & II Semesters of M.Tech, M.C.A iii. I, II & III Terms of M.B.A iv. I & II Semesters of B.Sc (Electronics)	12
7.7	To review progress of implementation of PhD programmes (Information agenda)	13
7.8	To discuss the proposed changes in Rules and Regulations governing UG & PG programs and approve the same	14
7.9	Any other subject with the permission of the Chair	15

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AC 7.3	**To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same:**
	a) VII & VIII Semesters of B.E.(2015-19) and
	b) B.Arch. (2015-20) programs
	The different Boards of studies constituted for different programs of the University, namely, B.E., and B.Arch have recommended the syllabi for 7th and 8th semesters of 2015-19 (BE); and 2015-2020 (B.Arch) batches.

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, and B.Arch Programmes placed before it

Discussion: Heads of School, Department and Centre presented the Board of Studies approved curriculum structure and content and reasons for the proposed changes. Participating in the discussion members made the following observations:

Categorize the inputs given by the members into Operational, Strategic and Academic.

Strategic Observations

- Please review your digital presence
- Engage a media agency preferably from Bengaluru. What KLE Tech need is a Branding agency not just a person
- Study the multi-disciplinary programmes offered by the European Universities
- Take appropriate steps such that design thinking will become culture of the University
- In future there will be great demand for biological data scientists. Pattern recognition is gaining importance
- Exposure to interdisciplinary areas needs to be strengthened for civil engineering students

Academic Observations

- For Civil engineering students on-field experience is required as constructions are happening through un-conventional methods. Visit INTEL construction site.
- Make applications of design thinking compulsory in all projects
- Introduce Agile for all projects
- Conventional computer science and data science are coming together. Course integration is required, courses should not be independent
- Embedded-C is required along with it focus on (RTOS+Linux), (Arch+Multicore), Algorithm development
- Review embedded C course for depth
- Emphasis on 'Android Programming' is required
- Give equal weightage to Pre-processing – Processing – Post processing while delivering the course. Go for Hypermesh for pre-processing

- PLM is on design side. Offer electives related to different domains viz. aerospace, healthcare, manufacturing etc; Invite experts from Skytech and Aequs to teach processes
- Let the course name be changed from 'Advanced electric drive vehicles' to 'Electric drives for vehicles'
- Ability to do data and data analysis is a key thing
- With reference to MCA curriculum it was suggested to make 'Cloud computing' a core course
- Block-chain technology need to be introduced
- Cloud computing should be part of software and IoT in data science

Operational Observations

- Prepare a technical report on VRL project and keep it in depository
- Jobs for PLM engineers are offered by Geometrics, 3D PLM, Capgemini, and Mahindra
- Henceforth try to sell mechanical engineering graduates as Design engineers, Analysis engineers and PLM engineers and not as only mechanical engineers
- Who are your 'Top blockers' with reference to technical, communication and professional skills
- All sessions of presentations to be reviewed and feedback to be given

Action Items:
Strategic:

- **'Design Thinking' need to be introduced for all programmes where-in physical constructions are taking place**
- **Go for online-portfolio. Let TPO take the responsibility of maintaining e-portfolio of all UG students**
- **English language and communication skills need major focus. Both written and spoken English and technical ability need to be addressed. Along with it students need to be trained in telephone conversation, public speaking and general behaviour. Develop an action plan for the same. Syllabus to be collected from Mr. KNS**

Academic:

- **Adopt 'Industry Internship' for faculty at least for one month preferably during Nov/Dec**
- **Provide provision in curriculum so that students of 8th semester will be available for 5 months industry internship**
- **Samsung representatives offered conduct of 2 days workshop on Android programming**
- **Send M.Tech 'Production Management' curriculum structure and content to Mr. KNS for review**
- **MCA curriculum to be sent to Shri. Balaji for review**

Operational:

- **Develop an App for first year admissions**

Resolution 7.3: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Board of studies:

a) **VII & VIII Semesters of B.E.(2015-19) and**

b) **B.Arch. (2015-20) program**

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AC 7.4	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) V & VI Semesters of B.E.(2016-20) and B.Arch. (2016-21) programs b) V & VI Semesters of M.C.A program (2016-19)
	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., and M.C.A. have recommended the syllabi for 5th and 6th semesters of 2016-20 (BE); 2016-2021 (B.Arch); and 2016-2019 (MCA) programmes.

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, B.Arch and MCA Programmes placed before it.

Discussion:

Resolution 7.4: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Board of studies:

a) V & VI Semesters of B.E.(2016-20) and B.Arch. (2016-21) programs

b) V & VI Semesters of M.C.A program (2016-19)

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AC 7.5	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) III & IV Semesters of B.E. (2017-21) and B.Arch. (2017--22) programs b) III & IV Semesters of M.Tech (2017-19) and IV, V & VI Terms of M.B.A (2017-19) programs and c) III & IV Semesters of M.C.A (2017-20)
	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., and M.C.A. have recommended the syllabi for 3rd and 4th semesters of 2017-21 (BE); 2017-2022 (B.Arch); 2017-2020 (MCA) and 2017-2019 (M.Tech & MBA).

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, B.Arch, M.Tech, MCA and MBA Programmes placed before it.

Discussion:

Resolution 7.5: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Board of studies:

a) III & IV Semesters of B.E. (2017-21) and B.Arch. (2017--22) programs

b) III & IV Semesters of M.Tech (2017-19) and IV, V & VI Terms of M.B.A (2017-19) programs and

c) III & IV Semesters of M.C.A (2017-20)

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AC 7.6	To consider and approve the recommendations of the respective Boards of studies for the academic programs mentioned below:
	a) **Schemes for batches starting from 2018, of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters).**
	b) **Syllabi for batches starting from 2017 of following programs:**
	i. **I & II Semesters of B.E. and B.Arch.**
	ii. **I & II Semesters of M.Tech, M.C.A**
	iii. **I, II & III Terms of M.B.A**
	iv. **I & II Semesters of B.Sc (Electronics)**
	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., M. Tech., M.C.A. and MBA have recommended the schemes for BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters) and syllabi for 1st and 2nd semesters of 2018-22 (BE); 2018-2023 (B.Arch); 2018-2021 (MCA); 2018-2020 (M.Tech & MBA) and 2018-2021 (B.Sc) batches.

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, B.Arch, M.Tech, MCA MBA and B.Sc Programmes placed before it.

Discussion:

Resolution 7.6: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Board of studies:
a) **Schemes for batches starting from 2018, of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters).**

b) **Syllabi for batches starting from 2017 of following programs:**

   i.   **I & II Semesters of B.E. and B.Arch.**
   ii.   **I & II Semesters of M.Tech, M.C.A**
  iii. **I, II & III Terms of M.B.A**
  iv. **I & II Semesters of B.Sc (Electronics)**

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Extract of the minutes of

9th Academic Council Meeting

Of

KLE Technological University,

Hubballi, Karnataka

May 3rd, 2019

Pertaining to:

1. Approval of curriculum proposed by the BOS.
2. Courses having focus on employability, entrepreneurship and skill development.
3. New courses introduced and revision of syllabus.
4. Implementation of Choice Based Credit System (CBCS).
5. Structured feedback of design and review of syllabus.

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Agenda

Sl No	Particulars	Page No.
9.1	To read and confirm the minutes of the previous meeting held on 2nd March 2019.	1
9.2	To confirm the action taken report on the minutes of the previous meeting held on 2nd March 2019.	6
9.3	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) VII & VIII Semesters of B.E.(2016-20) and b) B.Arch. (2016-21) programs	18
9.4	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) V & VI Semesters of B.E.(2016-20) and B.Arch. (2017-22) programs b) V & VI Semesters of M.C.A program (2017-20)	20
9.5	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) III & IV Semesters of B.E. (2018-22) and B.Arch. (2018--23) programs b) III & IV Semesters of M.Tech (2018-20) and IV, V & VI Terms of M.B.A (2018-20) programs c) III & IV Semesters of M.C.A (2018-21)	21

9.6	To consider and approve the recommendations of the respective Boards of studies for the academic programs mentioned below:
	a) Schemes for batches starting from 2019, of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters).
	b) Syllabi for batches starting from 2019 of following programs:
	  i. I & II Semesters of B.E. and B.Arch.
	  ii. I & II Semesters of M.Tech, M.C.A
	  iii. I, II & III Terms of M.B.A
	  iv. I & II Semesters of B.Sc (Electronics)
	c) Scheme of B.B.A. (I to IX Terms) & Syllabus of I, II & III Terms of B.B.A
		22

9.7	Any other subject with the permission of the Chair	23

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AC 9.3	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: c) VII & VIII Semesters of B.E.(2016-20) and d) B.Arch. (2016-21) programs
	The different Boards of studies constituted for different programs of the University, namely, B.E., and B.Arch have recommended the syllabi for 7th and 8th semesters of 2016-20 (BE); and 2016-2021 (B.Arch) batches.

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, and B.Arch Programmes placed before it.

Discussion:

Prof. Prakash Tewari, Dean Academics briefed the broad changes in curriculum of various programs and presented the overview of the curriculum structure and content as approved by the respective Board of Studies of both UG and PG programs for review and approval.

- Mr. KNS wanted to know whether KLE Tech is allowed to start a new program. To this the Vice-chancellor's reply was yes, but if it doesn't fit into AICTE guidelines then such program will not get recognition.

- Mr. KNS Acharya informed that the 'Design Processes' are getting automated and School of Mechanical Engineering should take a note of it. He suggested to think on CAE with Design automation feature (Customization of CAE+ CATIA).

- Dr. Satyajit Majumdar wanted to know the selection criteria for 'Technology and Innovation for Social Transformation' (TIST) program. He suggested to design Assessment Rubrics for the new courses to be offered under TIST and should drive Techno-Social research activities. Supporting the idea Dr. Manjunath suggested to visit IIT, Mandi to know more about research opportunities.

- Mr. KNS Acharya wanted to know whether TIST in anyway connected to the institutional CSR. To this Prof. Ashok Shettar replied that it is related to the University mission. Further he suggested to stich a story and publish in social media.

- Dr. Manjunath informed that there are many industry experts with PhD who are eager to guide research scholars. Co-opt these experts from industry for PhD mentoring and they may be called as 'Professors of Practice' or 'Professors of Research & Practice'. Further he explained about Joint Degree Program. To award degree jointly with other organizations he suggested to study the model of DAIT Pune.

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- Prof. Ashok Shettar mentioned that two Samsung employees will enroll in KLE Tech and Dr. Lokesh will be their research supervisor.

- Mr. KNS Acharya suggested to prepare a pool of research supervisors/mentors who can guide research scholars and volunteered to contribute 4 to 5 names. Dr.Manjunath agreed to recommend 3 to 4 names.

- The new model suggested will have an academic guide and an industry guide for each industry research scholar.

- Mr. KNS Acharya opined that the new model should not be just a degree awarding model. One should also look into the value add for the University. Further he suggested that the University should recognize the industry courses and faculty should be deputed to industry for an agreed period of time for joint supervision. The advantage of this will be industry feel that its courses are recognized and faculty get trained in industry courses and gain expertise. Mr. Vivek Pawar also supported to this idea and said that faculty also get knowledge.

Resolution 9.3: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Board of studies:

a) VII & VIII Semesters of B.E.(2016-20) and

b) B.Arch. (2016-21) programs

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AC 9.4	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) V & VI Semesters of B.E.(2017-21) and B.Arch. (2017-22) programs b) V & VI Semesters of M.C.A program (2017-20)
	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., and M.C.A. have recommended the syllabi for 5th and 6th semesters of 2017-21 (BE); 2017-2022 (B.Arch); and 2017-2020 (MCA) programmes.

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, B.Arch and MCA Programmes placed before it.

Discussion:

Resolution 9.4: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Board of studies:

c) V & VI Semesters of B.E.(2017-21) and B.Arch. (2017-22) programs

d) V & VI Semesters of M.C.A program (2017-20)

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AC 9.5	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Boards of studies and approve the same: a) III & IV Semesters of B.E. (2018-22) and B.Arch. (2018-23) programs b) III & IV Semesters of M.Tech (2018-20) and IV, V & VI Terms of M.B.A (2018-20) programs and c) III & IV Semesters of M.C.A (2018-21)
	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., and M.C.A. have recommended the syllabi for 3rd and 4th semesters of 2018-22 (BE); 2018-2023 (B.Arch); 2018-2021 (MCA) and 2018-2020 (M.Tech & MBA).

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, B.Arch, M.Tech, MCA and MBA Programmes placed before it.

Discussion:

Resolution 9.5: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Board of studies:

a) III & IV Semesters of B.E. (2018-22) and B.Arch. (2018-23) programs

b) III & IV Semesters of M.Tech (2018-20) and IV, V & VI Terms of M.B.A (2018-20) programs and

c) III & IV Semesters of M.C.A (2018-21)

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AC 9.6	To consider and approve the recommendations of the respective Boards of studies for the academic programs mentioned below:
	a) Schemes for batches starting from 2019, of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters).
	b) Syllabi for batches starting from 2019 of following programs:
	v. I & II Semesters of B.E. and B.Arch.
	vi. I & II Semesters of M.Tech, M.C.A
	vii. I, II & III Terms of M.B.A
	viii. I & II Semesters of B.Sc (Electronics)
	c) Scheme of B.B.A. (I to IX Terms) & Syllabus of I, II & III Terms of B.B.A
	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., M. Tech., M.C.A. and MBA have recommended the schemes for BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters) and syllabi for 1st and 2nd semesters of 2019-23 (BE); 2019-2024 (B.Arch); 2019-2022 (MCA); 2019-2021 (M.Tech & MBA) and 2019-2022 (B.Sc) batches.

Action Requested: The Academic Council is requested to discuss and approve the schemes and syllabi of the B.E, B.Arch, M.Tech, MCA MBA and B.Sc Programmes placed before it.

Discussion:

Resolution 9.6: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Board of studies:

a) Schemes for batches starting from 2019, of BE (I to VIII Semesters), B.Arch (I to X Semesters), M.B.A (I to VI Terms), M.Tech (I to IV Semesters), MCA (I to VI Semesters).

b) Syllabi for batches starting from 2019 of following programs:
   i.   I & II Semesters of B.E. and B.Arch.
   ii.   I & II Semesters of M.Tech, M.C.A
   iii.   I, II & III Terms of M.B.A
   iv.   I & II Semesters of B.Sc (Electronics)

c) Scheme of B.B.A. (I to IX Terms) & Syllabus of I, II & III Terms of B.B.A

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