Minutes

11th Academic Council Meeting (Online)

of

KLE Technological University

Hubballi, Karnataka

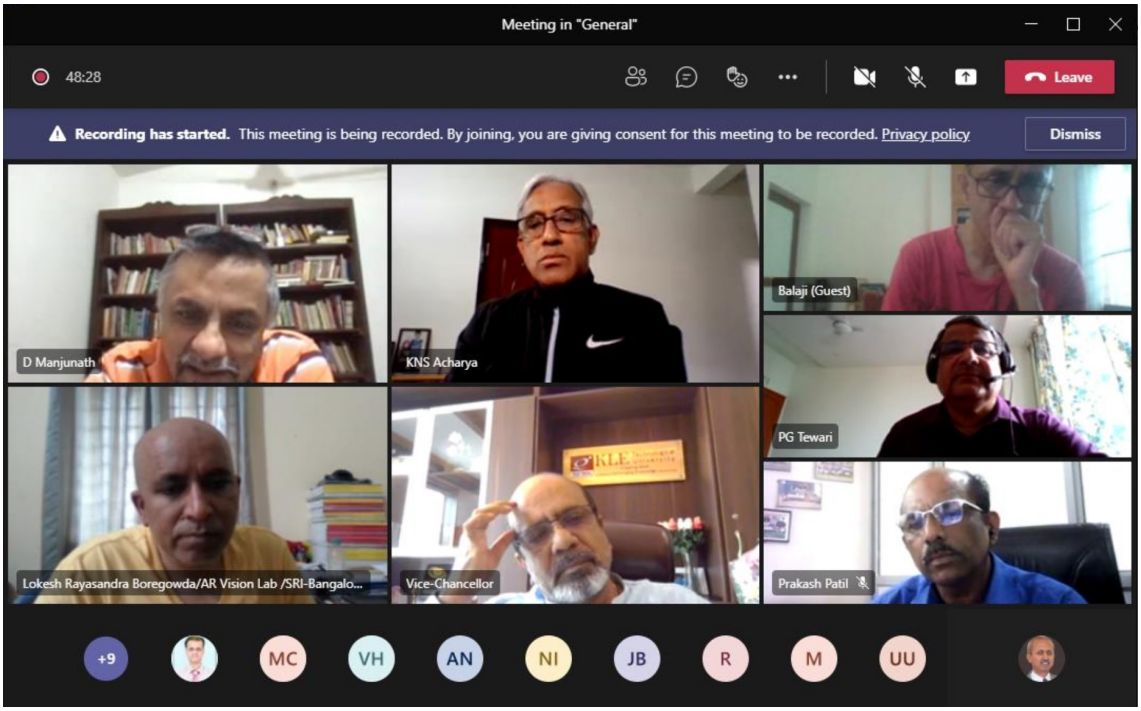
28th August, 2021

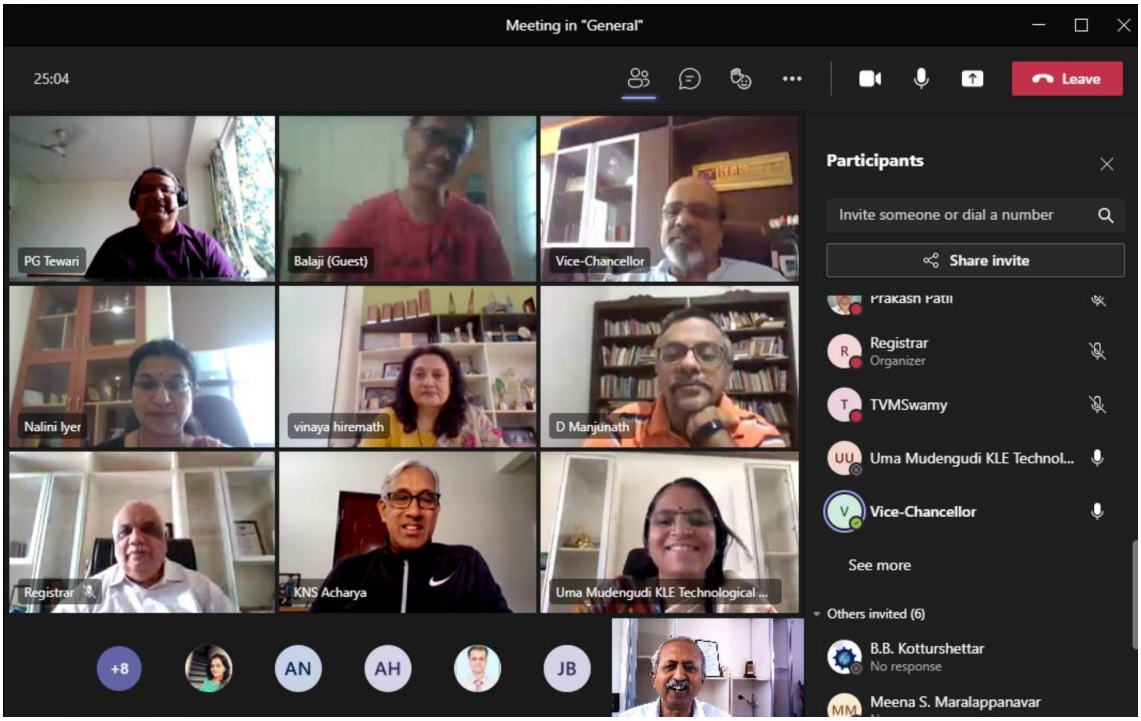
Time: 10.30 am

KLE Technological University

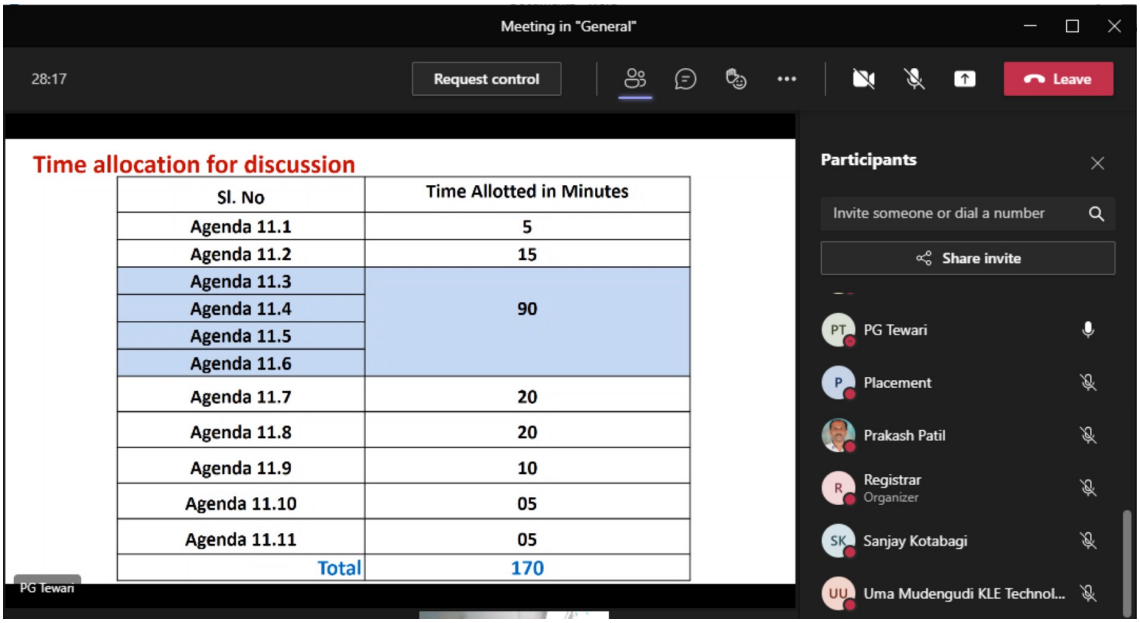
(Established under Karnataka Act No.22, 2013)

Academic Council Meeting 11 Screenshots





Meeting in "General"
26:15
Request control
Leave
KLE Technological University
Creating Value
Leveraging Knowledge
WELCOME TO 11th ACADEMIC COUNCIL MEETING
28th August 2021
Online Meeting at 10.30 am
PG Tewari
+15
KA
DM
B
PG Tewari
Registrar
Vice-Chancellor


Meeting in "General"
28:17
Request control
Leave
Time allocation for discussion
Sl. No | Time Allotted in Minutes
Agenda 11.1 | 5
Agenda 11.2 | 15
Agenda 11.3 | 90
Agenda 11.4
Agenda 11.5
Agenda 11.6
Agenda 11.7 | 20
Agenda 11.8 | 20
Agenda 11.9 | 10
Agenda 11.10 | 05
Agenda 11.11 | 05
Total | 170
PG Tewari
Participants
Invite someone or dial a number
Share invite
PG Tewari
Placement
Prakash Patil
Registrar
Organizer
Sanjay Kotabagi
Uma Mudengudi KLE Technol...

The following are the minutes of the Academic Council Meeting of KLE Technological University, Hubballi, which was held on 28-08-2021 at 10.30 am in online mode.

The following Members were Present.

Sr	Name	Designation	Position
	Dr Ashok Shettar	Vice Chancellor	Chairman
	Sri KNS Acharya	VP KPIT Technologies	Member
	Dr. Manjunath D	Prof IIT, Bombay	Member
	Dr Balaji Holur	VP, Samsung R&D	Member
	Dr Lokesh Boregowda	Director, Vision Research	Member
	Prof B L Desai	Registrar	Member Secretary
	Dr P G Tewari	Principal BVBCET & Dean Academic	Member
	Dr Uma K Mudenagudi	Dean R & D	Member
	Dr Meena S M	Head of School of CSE	Member
	Dr Nalini C. Iyer	Head of School of ECE	Member
	Dr. M.V. Chitawadagi	Head of School of Civil Engg	Member
	Dr A.B.Raju	Head, E&E Dept	Member
	Prof Arun C Giriyapur	Head of ARE Dept	Member
	Dr BS. Hunagund	Head of BT Dept	Member
	Prof Vinaya Hiremath	Head, School of Architecture	Member
	Dr P R Patil	Head of MCA Dept	Member
	Dr Sanjay Kotabagi	Head of Humanities Dept	Member
	Dr. Jagdish Bapat	Head of SMSR	Member
	Prof TVM Swamy	Freshman Coordinator	Member
	Dr A V Nandi	Controller of Examinations	Member
	Dr Vijayalaxmi M.	Director CEER	Member
	Prof. Ravi Guttal	Director CIPD	Member
	Prof C D Kerure	Placement Officer	Member

The following members have sought leave of absence:

SL	Name	Designation	Position
1	Dr Srinivas Viravalli	Professor, IIT Delhi	Member
2	Dr Satyajit Majumdar	Professor, TISS Mumbai	Member
3	Sri Vivek G Pawar	Chairman Sankalp Semiconductors Hubballi	Member
4	Dr B B Kottursheettar	Head of School of Mechanical Engg. & Dean P&D	Member

Agenda

Sl. No	Particulars	Page No.
11.1	To read and confirm the minutes of the previous meeting held on 20th June 2020 and the agenda by circulation dated 17th August 2020.	1
11.2	To confirm the action taken report on the minutes of the previous meeting held on 20th June 2020 and the agenda by circulation dated 17th August 2020.	8
11.3	To consider the Schemes and Syllabi of the below mentioned academic programs as recommended by the respective Boards of studies and approve the same: a) VII & VIII Semesters of B.E.(2018-22) b) VII & VIII Semesters of B. Arch (2018-23) and c) IX & X Semesters B.Arch. (2017-22) programs	18
11.4	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 BE (2019-23) and B.Arch. (2019-24) programs b) V & VI Semesters of MCA program (2019-22)	21
11.5	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 BE (2020-24) and BArch (2020--25) programs b) III & IV Semesters of M. Tech (2020-22) and IV, V & VI Terms of MBA (2020-21) programs), c) III & IV Semesters of MCA (2020-22)	22
11.6	To consider and approve the recommendations of the respective Boards of studies for the academic programs mentioned below: a) Schemes for the batches starting from 2021, 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), M.C.A. (I to IV Semesters). b) Syllabi for batches starting from 2021 of the following programs: i. I & II Semesters of BE and BArch. ii. I & II Semesters of M Tech, MCA iii. I & II Semesters of MBA iv. I & II Semesters of BSc. (Electronics) c) Scheme of BBA (I to VI Semesters) & Syllabus of I & II Semesters of BBA	23
11.7	To discuss the research progress report for the years 2020 & 2021.	24
11.8	To ratify the action taken regarding the announcement of results of the June-July 2020 exam along with that of the subsequent summer semester results.	25

11.9	To approve the list of eligible candidates for the conferment of various degrees (Bachelor of Engineering, Master of Technology, Master of Business Administration and Master of Computer Applications) at the second convocation of KLE Technological University.	26
11.10	To approve the list of rank holders of various programs.	27
11.11	Any other subject with the permission of the Chair. Table agenda 1: To discuss the new constituent colleges joining KLE Technological University (Information agenda) Table agenda 2: To discuss top 3 visions of the Vice-chancellor for the next 5 years (information agenda)	28

AC 11.1

To read and confirm the minutes of the previous meeting held on 20th June 2020 and the agenda by circulation dated 17th August 2020.

The following are the minutes of the Online Special Academic Council Meeting of KLE Technological University, Hubballi, which was held on 20-06-2020 at 11.00 am in online mode via Microsoft Teams.

The following Members were Present.

Sr	Name	Designation	Position
25.	Dr Ashok Shettar	Vice Chancellor	Chairman
26.	Dr Lokesh Boregowda	Director, Vision Research	Member
27.	Dr KNS Acharya	L&T Technology Services Limited	Member
28.	Dr. Manjunath D	Prof IIT, Bombay	Member
29.	Dr Satyajit Majumdar	Professor, TISS Mumbai	Member
30.	Sri Vivek G Pawar	Chairman Sankalp Semiconductors Hubballi	Member
31.	Sri. Balaji Holur	VP, Samsung R&D	Member
32.	Dr P G Tewari	Principal BVBCET & Dean Academic	Member
33.	Prof B L Desai	Executive Dean	Member
34.	Dr B B Kottursheettar	Head of School of Mechanical Engg. & Dean P&D	Member
35.	Dr Uma K Mudenagudi	Dean R & D	Member
36.	Dr Meena S. M.	Head of School of CSE	Member
37.	Prof Arun C Giriyapur	Head of ARE Dept	Member
38.	Dr Nalini	Head of School of ECE	Member
39.	Dr V.B.Patil	Head of School of Civil Engg	Member
40.	Dr A.B.Raju	Head, E&E Dept	Member
41.	Dr Basavaraj Hungund	Head of BT Dept	Member
42.	Prof Vinaya Hiremath	Head, School of Architecture	Member
43.	Dr P R Patil	Head of MCA Dept	Member
44.	Dr Sanjay Kotabagi	Head of Humanities Dept	Member
45.	Dr. S.V. Patil	Head of SMSR	Member
46.	Prof TVM Swamy	Freshman Coordinator	Member
47.	Dr A V Nandi	Controller of Examinations	Member
48.	Dr G H Joshi	Director CEER	Member
49.	Prof Nitin Kulkarni	Director CTIE	Member
50.	Prof C D Kerure	Placement Officer	Member
51.	Dr. N.H. Ayachit	Registrar	Member Secretary

Special ACM 1

To review the progress of the academic delivery during the lockdown period.

Discussion: Dr. Tewari, Dean Academics, presented the academic activities conducted by the University during the lockdown period. Participating in the discussions, honorable members made the following suggestions/observations with

	reference to online delivery, industry internship & project work, selection of online platform, faculty members doing Coursera/MOOC courses, and training of faculty on pedagogy: • Prof. Manjunath wanted to know about the internet connectivity problem faced by the students and their behavior. In reply, Honorable Vice-Chancellor Prof. Ashok Shettar, who chaired the meeting, informed that less than 10 % of the students had internet connectivity problems, and some students reported the limitation of data pack availability per day initially. However, final-year students did not report any internet connectivity problems. • Dr. Lokesh wanted to know about the students' feedback on online course delivery and its effectiveness. In reply, Prof. Ashok Shettar informed that course-wise feedback is not collected, but feedback on the overall comfort level of the system was collected. He further informed that due to lack of time and sudden switching over to virtual classes, faculty members had very little time to learn e-pedagogy, and they did their best on the basis of their experience in delivering offline mode. Now the institution has plans to train the faculty members in e-pedagogy in a systematic manner. Dr. Lokesh suggested for evolving method of regular feedback for online classes. • Dr. KNS Acharya opined that a lot of positivity has come out during this COVID 19. He added that things are not going to change. Appreciating the faculty members doing nearly 1200 online courses during this lockdown period, he commented that this should not become one-time action. It should become their goal post, and the data presented regarding this has to be tracked in the next 2 to 3 academic council meetings. Replying to this, Prof. Shettar mentioned that this would be part of faculty appraisal, and it is going to be a strategic approach. He also mentioned that these online platforms are pretty costly. We are talking to Coursera for a campus license to make it available to faculty as some advanced courses on this platform have helped many faculty take up study in interdisciplinary areas. • Dr. Mujumdar opined that a proper online delivery design is essential, and the right curriculum design is also necessary for online delivery. The teaching strategy for online mode is also essential. He expressed that it will be interesting for the faculty to do some kind of whitepaper work by carrying out a futuristic study on this and also on students' projects involving futuristic technology. He suggested that it is not advisable to deliver long lectures in online mode. • Dr. KNS Acharya wanted to know steps being taken to ensure the quality of projects when some of the industries expressed their inability to continue industry internships. Prof. Nalini, Prof. Meena, and Prof. Kottursheettar explained the strategies adopted by them in ensuring quality and completion of project work. Intervening in the discussion, Prof. Shettar informed that the project

	outcomes are much better this time in EC and CS programmes; however challenges persist in traditional programmes like mechanical and civil engineering where prototypes and hardware work is involved. When Mr. KNS Acharya asked a specific question about mechanical engineering projects, Prof. Kottureshettar explained the plan of approach the department has planned in this regard. Further, it was informed that Project guides monitor the progress of projects through a series of reviews with more emphasis on design, analysis, simulation, and FEA Analysis as project expectations have been changed based on the existing situation. Physical prototypes have been converted into virtual prototypes. Mr. Balaji shared his experience as a reviewer for one of the projects and said the project quality was excellent. Further, he wanted to know whether KLE Tech has considered the industry experts or outside experts under the review process of the projects. Both Prof. Meena and Prof. Nalini replied that industry experts are part of the review of students' projects. • Dr. Lokesh wanted to know how the individual contribution of a student is assessed in a project. In reply, Prof. Meena mentioned that questions were asked to individual students in one-to-one mode, and his/her contributions were assessed. Dr. Lokesh suggested dividing the task into sub-tasks and assigning sub-task to each team member to assess the individual contribution of the students. Dr. Lokesh suggested evolving methods to assess individual contributions. • Mr. Vivek Pawar suggested making minor changes in questions and checking how much time they took to complete the task. • Dr. KNS Achary with reference to online courses completed by faculty wanted to know the process of selection of courses. In reply, Prof Shettar replied that the selection was based on the research group to which they belong or the thread of the course or courses required for their research. This was done in consultation with their respective HoDs and senior faculty or head of the research group. Further, he mentioned that the faculty were given the option to choose the course from Coursera, Udemy, NPTEL, etc., and the selected courses were reviewed. The option was also given to register for a set of courses under a theme. • Dr. KNS Achary said that it is important that the faculty who chose a particular track should upgrade continuously, and they should increase their level. It is a good way of utilizing time. • Dr. Lokesh asked whether University is trying to replace the academic course with Coursera courses. In reply, the Honorable Vice-chancellor informed that students are given the option of doing a Coursera course as part of an academic course. In some cases, Students learn a part of the educational curriculum from Coursera courses, and the remaining part was handled by the faculty in online mode. Thus

	in such cases with both asynchronous and synchronous delivery, we ensured students learning. • Mr. Balaji expressed that there could be a lot of stress on faculty members due to the sudden shift to online delivery, and he suggested arranging for counselors and check the stressful condition of the faculty. • Dr. KNS Acharya informed that the corporate educators are going through a lot of stressful situations, and they have gone through some stressful days. Since the University action plan is not yet prepared and you are putting faculty members in front of the camera, and that may cause a lot of stress. In reply, Prof. Shettar said only a part of the selected total faculty would be trained. • Dr. Manjunath opined that it is important to look at how much the students receive. The student side is also essential. Extremely important to collect the data, including demographic data. **Resolution: The Academic Council members anonymously resolved to place on record their appreciation for the actions taken by the University to handle the academic activities during the COVID- 19 pandemic.**
Special ACM 2	**To consider and approve the proposed changes regarding conduct of End Semester Examination (ESA) in view of COVID-19 pandemic.** **Discussion:** Dr. Tewari, Dean Academics, presented the proposed changes regarding ESA's conduct and explained the need for the same. Participating in the discussions, honorable members sought clarifications, suggested few best practices, and also made comments. • Dr. Lokesh, wanted to know whether the examinations are descriptive type and expressed that the online examinations are not foolproof. There will be problems with the network being unreliable, and power may go. He suggested, if possible, allow a small fraction of students to come to college to take the examinations. He also suggested documenting the backup plans. In reply, the Chairman, Prof Shettar, explained how the online exams are planned using MS Teams for proctoring and Exam.Net for the conduct of exams. He also added that the Karnataka Government is not permitting the student to come to the campus as a precautionary measure, and there is an urgency to conduct exams as companies are asking for joining dates for the campus-selected students. In view of this, it is essential to conduct exams. He also explained the backup plans; (i) conduct online makeup exams for the students facing the technical problem during the first exam and (ii) conduct makeup exams once the lockdown period is over and students start coming to the college. In both cases, the examinations taken by the students will be treated as 'First Attempt' only. • In response to the honorable Vice Chancellor's reply, Mr. KNS Acharya expressed it as a fair point. He suggested categorizing the courses and deciding the

	assessment methodology; Problem-solving type questions in a limited time scope, Programming exercises in a different way, etc. He emphasized alternative arrangements of assessment without undue dependence on only pen and paper kind of assessment. In reply, Prof Shettar said that even though the suggestions are well taken, but we cannot implement them during this semester as we have the practice of sharing assessment methods at the beginning of the semester through our lesson plans. • Dr. KNS Acharya told to watch the job market. Industries are watching how colleges/universities adapt to COVID 19. Document your initiatives to impress upon the industries. **Resolution: Resolved to approve the proposed changes regarding conduct of End Semester Assessment (ESA).**
Special ACM 3	**To review the preparedness for the academic delivery during the ensuing semester.** **Discussion:** Dr. Joshi, Dean CI&PA presented the preparedness of the University regarding academic delivery. Dr. KNS Acharya wanted to know the proportions of synchronous and asynchronous learning. Dr. Lokesh asked about the practice of flipped classrooms that KLE Tech was doing. In reply to both, it was informed that there are plans for a combination of synchronous and asynchronous modes of delivery starting from zero to 100%. The flipped classroom is also part of this approach. When asked whether KLE Tech has plans to create its own videos, the Honorable Vice-Chancellor replied in affirmative. Participating in the discussions, honorable members made the following comments: • Dr. KNS Acharya asked to understand the faculty psychology-They may feel that if I give my best, I will become disposable to the University. In reply, Prof Shettar opined that being good in online delivery could become an important selling point for the faculty members in the future as it will become a part of once appraisal process. • Prof. Shettar informed that only about 120 faculty members will be trained in online delivery in the first phase. Each department will have a review committee to check the content and quality of the videos. • Mr. Balaji mentioned that video content creation and how to connect with the audiences is a huge effort. Quality and infrastructure that are going to come up are important. He wondered whether there was a need to take the help of a 3rd party. Prof. Shettar asked about the modalities for the review process. In reply, Mr. Balaji suggested that Mr. Amit Chaudhary could be of help as he is an expert. He can help in creating e-content, build the user story, and support in using the content. Mr. Balaji took this action item upon himself for connecting Mr. Amit Chaudhary with KLE Tech.

	• Dr. KNS Acharya cautioned regarding the recording of faculty lectures and putting the videos on LMS immediately. • Dr. Manjunath mentioned the need for intelligence gathering from what other Universities are doing. • When Prof. Shettar explained 'Light Board' technology, Dr. KNS enquired whether it is possible to project 'PPT' on it and suggested that videos be on the cloud. Dr. Manjunath raised the issues related to storage and its management. • Mr. Vivek Pawar commented upon challenges faced by teachers and students. Teachers are missing a face-to-face environment, and students are missing peer learning. • Dr. KNS Acharya suggested exploring LMS from EDx. He suggested using the Microsoft products as University has an alliance with Microsoft already. He also volunteered to send a presentation on MS Stream, which is very user-friendly. He also agreed to arrange for a demo. He also suggested a 'Solid Professor' platform for online learning, which has campus-wide license provision. **Resolution: The Academic Council members expressed their satisfaction over steps taken by the University in getting ready for the ensuing semester in view of uncertainty prevailing.**
Special ACM 4	**Table Agenda: To consider and discuss about NIRF ranking.** **Discussion:** Members wanted to know the NIRF ranking for the year 2020. Prof. Tewari informed that the NIRF ranking this year has improved by 23 places. It was 159 last year, and for this year, it is 136. Members congratulated the University leadership, faculty, and staff. Mr. Balaji suggested raising the NIRF ranking to below the first 50 in the next two years. In reply, Prof. Shettar informed that the University is focusing on improving faculty members' research output; however, in the 'perception' criterion, we are lagging and need a strategy to improve its score. **Resolution: The Academic Council members expressed their satisfaction and it was decided to have a strategy to improve the NIRF ranking.**
The following are the minutes of the Academic Council Meeting of KLE Technological University, Hubballi, which was held through circulation on **17-08-2020**.	
ACM by circulation	To consider the Schemes, Syllabi and New academic regulations of 2 years MCA and MBA programmes as recommended by the respective Board of studies and approve the same. **Resolution: Resolved to approve the Schemes, Syllabi and New academic regulations of 2 year MCA and MBA programmes.**
ACM by circulation	To consider the institution of B.Voc programme from the academic year 2020-21 in

	collaboration with NTTF and approve the Schemes and Syllabi of the below mentioned B.Voc programs as recommended by respective Board of Studies: i. Tool Engineering & Digital Manufacturing ii. Mechatronics Engineering & Smart Factory **Resolution: Resolved to approve the scheme and syllabi of the following BVoc programmes offered in collaboration with NTTF:** **I. Tool Engineering & Digital Manufacturing and** II. **Mechatronics Engineering & Smart Factory**

Action Requested: To confirm the minutes of the previous meeting held on 20th June 2020 and the agenda by circulation dated 17th August 2020.

Discussion:

Resolution 11.1: Resolved to confirm the minutes of its meeting held on 20th June 2020 and the agenda by circulation dated 17th August 2020.

AC 11.2	**To confirm the action taken report on the minutes of the previous meeting held on 20th June 2020 and the agenda by circulation dated 17th August 2020.**	
Item No.	**Description**	**Action Taken**
Special ACM 1	**To review the progress of the academic delivery during the lockdown period.** **Discussion:** Dr. Tewari, Dean Academics, presented the academic activities conducted by the University during the lockdown period. Participating in the discussions, honorable members made the following suggestions/observations with reference to online delivery, industry internship & project work, selection of online platform, faculty members doing Coursera/MOOC courses, and training of faculty on pedagogy: • Prof. Manjunath wanted to know about the internet connectivity problem faced by the students and their behavior. In reply, Honorable Vice-Chancellor Prof. Ashok Shettar, who chaired the meeting, informed that less than 10 % of the students had internet connectivity problems, and some students reported the limitation of data pack availability per day initially. However, final-year students did not report any internet connectivity problems. • Dr. Lokesh wanted to know about the students' feedback on online course delivery and its effectiveness. In reply, Prof. Ashok Shettar informed that course-wise feedback is not collected, but feedback on the overall comfort level of the system was collected. He further informed that due to lack of time and sudden switching over to virtual classes, faculty members had very little time to learn e-pedagogy, and they did their best on the basis of their experience in delivering offline mode. Now the institution has plans to train the faculty members in e-pedagogy in a systematic manner. Dr. Lokesh suggested for evolving method of regular feedback for online classes. • Dr. KNS Acharya opined that a lot of positivity has come out during this COVID 19. He added that things are not going to change. Appreciating the faculty members doing nearly	The academic delivery has evolved into KLE Tech Bichronous Blended Learning Model. Coursera platform has been purchased and the process of tracking the MOOC courses completed by the faculty members has been established. Guidelines are in place to ensure that the asynchronous videos are in the range of 5 to 15 minutes.

	1200 online courses during this lockdown period, he commented that this should not become one-time action. It should become their goal post, and the data presented regarding this has to be tracked in the next 2 to 3 academic council meetings. Replying to this, Prof. Shettar mentioned that this would be part of faculty appraisal, and it is going to be a strategic approach. He also mentioned that these online platforms are pretty costly. We are talking to Coursera for a campus license to make it available to faculty as some advanced courses on this platform have helped many faculty take up study in interdisciplinary areas. • Dr. Mujumdar opined that a proper online delivery design is essential, and the right curriculum design is also necessary for online delivery. The teaching strategy for online mode is also essential. He expressed that it will be interesting for the faculty to do some kind of whitepaper work by carrying out a futuristic study on this and also on students' projects involving futuristic technology. He suggested that it is not advisable to deliver long lectures in online mode. • Dr. KNS Acharya wanted to know steps being taken to ensure the quality of projects when some of the industries expressed their inability to continue industry internships. Prof. Nalini, Prof. Meena, and Prof. Kottureshettar explained the strategies adopted by them in ensuring quality and completion of project work. Intervening in the discussion, Prof. Shettar informed that the project outcomes are much better this time in EC and CS programmes; however challenges persist in traditional programmes like mechanical and civil engineering where prototypes and hardware work is involved. When Mr. KNS Acharya asked a specific question about mechanical engineering projects, Prof. Kottureshettar explained the plan of approach the department has planned in this regard. Further, it was informed that Project guides monitor the progress of projects through a series of reviews with more emphasis on design, analysis, simulation, and FEA Analysis as project expectations have been changed based on the existing situation. Physical prototypes have	

	been converted into virtual prototypes. Mr. Balaji shared his experience as a reviewer for one of the projects and said the project quality was excellent. Further, he wanted to know whether KLE Tech has considered the industry experts or outside experts under the review process of the projects. Both Prof. Meena and Prof. Nalini replied that industry experts are part of the review of students' projects. • Dr. Lokesh wanted to know how the individual contribution of a student is assessed in a project. In reply, Prof. Meena mentioned that questions were asked to individual students in one-to-one mode, and his/her contributions were assessed. Dr. Lokesh suggested dividing the task into sub-tasks and assigning sub-task to each team member to assess the individual contribution of the students. Dr. Lokesh suggested evolving methods to assess individual contributions. • Mr. Vivek Pawar suggested making minor changes in questions and checking how much time they took to complete the task. • Dr. KNS Achary with reference to online courses completed by faculty wanted to know the process of selection of courses. In reply, Prof Shettar replied that the selection was based on the research group to which they belong or the thread of the course or courses required for their research. This was done in consultation with their respective HoDs and senior faculty or head of the research group. Further, he mentioned that the faculty were given the option to choose the course from Coursera, Udemy, NPTEL, etc., and the selected courses were reviewed. The option was also given to register for a set of courses under a theme. • Dr. KNS Achary said that it is important that the faculty who chose a particular track should upgrade continuously, and they should increase their level. It is a good way of utilizing time. • Dr. Lokesh asked whether University is trying to replace the academic course with	

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Special ACM 2	**To consider and approve the proposed changes regarding conduct of End Semester Examination (ESA) in view of COVID-19 pandemic.** **Discussion:** Dr. Tewari, Dean Academics, presented the proposed changes regarding ESA's conduct and explained the need for the same. Participating in the discussions, honorable members sought clarifications, suggested few best practices, and also made comments. • Dr. Lokesh, wanted to know whether the examinations are descriptive type and	The online exams using MS Teams for proctoring and Exam.Net for conduct of exams has been implemented for June-July 2021 and Aug-Sept 2021 ISA & ESA exams successfully.

	expressed that the online examinations are not foolproof. There will be problems with the network being unreliable, and power may go. He suggested, if possible, allow a small fraction of students to come to college to take the examinations. He also suggested documenting the backup plans. In reply, the Chairman, Prof Shettar, explained how the online exams are planned using MS Teams for proctoring and Exam.Net for the conduct of exams. He also added that the Karnataka Government is not permitting the student to come to the campus as a precautionary measure, and there is an urgency to conduct exams as companies are asking for joining dates for the campus-selected students. In view of this, it is essential to conduct exams. He also explained the backup plans; (i) conduct online makeup exams for the students facing the technical problem during the first exam and (ii) conduct makeup exams once the lockdown period is over and students start coming to the college. In both cases, the examinations taken by the students will be treated as 'First Attempt' only. • In response to the honorable Vice Chancellor's reply, Mr. KNS Acharya expressed it as a fair point. He suggested categorizing the courses and deciding the assessment methodology; Problem-solving type questions in a limited time scope, Programming exercises in a different way, etc. He emphasized alternative arrangements of assessment without undue dependence on only pen and paper kind of assessment. In reply, Prof Shettar said that even though the suggestions are well taken, but we cannot implement them during this semester as we have the practice of sharing assessment methods at the beginning of the semester through our lesson plans. • Dr. KNS Acharya told to watch the job market. Industries are watching how colleges/universities adapt to COVID 19. Document your initiatives to impress upon the industries. **Resolution: Resolved to approve the proposed changes regarding conduct of End Semester Assessment (ESA).**	

Special ACM 3	**To review the preparedness for the academic delivery during the ensuing semester.** **Discussion:** Dr. Joshi, Dean CI&PA presented the preparedness of the University regarding academic delivery. Dr. KNS Acharya wanted to know the proportions of synchronous and asynchronous learning. Dr. Lokesh asked about the practice of flipped classrooms that KLE Tech was doing. In reply to both, it was informed that there are plans for a combination of synchronous and asynchronous modes of delivery starting from zero to 100%. The flipped classroom is also part of this approach. When asked whether KLE Tech has plans to create its own videos, the Honorable Vice-Chancellor replied in affirmative. Participating in the discussions, honorable members made the following comments: • Dr. KNS Acharya asked to understand the faculty psychology-They may feel that if I give my best, I will become disposable to the University. In reply, Prof Shettar opined that being good in online delivery could become an important selling point for the faculty members in the future as it will become a part of once appraisal process. • Prof. Shettar informed that only about 120 faculty members will be trained in online delivery in the first phase. Each department will have a review committee to check the content and quality of the videos. • Mr. Balaji mentioned that video content creation and how to connect with the audiences is a huge effort. Quality and infrastructure that are going to come up are important. He wondered whether there was a need to take the help of a 3rd party. Prof. Shettar asked about the modalities for the review process. In reply, Mr. Balaji suggested that Mr. Amit Chaudhary could be of help as he is an expert. He can help in creating e-content, build the user story, and support in using the content. Mr. Balaji took this action item upon himself for connecting Mr. Amit Chaudhary with KLE Tech. • Dr. KNS Acharya cautioned regarding the recording of faculty lectures and putting the	KLE Tech was well prepared for the academic delivery for the academic year 2020-21 with its KLE Tech Bichronous Blended Learning Model. The blended learning model aims to integrated asynchronous and synchronous learning environments to leverage the advantages of each environment to attain instructional goals and learning outcomes. The learning experience combines high-quality digitized video lectures that are available anytime (asynchronous) and interactive Livestream classes (synchronous) that take the learning to the next level.

	videos on LMS immediately. • Dr. Manjunath mentioned the need for intelligence gathering from what other Universities are doing. • When Prof. Shettar explained 'Light Board' technology, Dr. KNS enquired whether it is possible to project 'PPT' on it and suggested that videos be on the cloud. Dr. Manjunath raised the issues related to storage and its management. • Mr. Vivek Pawar commented upon challenges faced by teachers and students. Teachers are missing a face-to-face environment, and students are missing peer learning. • Dr. KNS Acharya suggested exploring LMS from EDx. He suggested using the Microsoft products as University has an alliance with Microsoft already. He also volunteered to send a presentation on MS Stream, which is very user-friendly. He also agreed to arrange for a demo. He also suggested a 'Solid Professor' platform for online learning, which has campus-wide license provision. **Resolution: The Academic Council members expressed their satisfaction over steps taken by the University in getting ready for the ensuing semester in view of uncertainty prevailing.**	
Special ACM 4	**Table Agenda: To consider and discuss about NIRF ranking.** **Discussion:** Members wanted to know the NIRF ranking for the year 2020. Prof. Tewari informed that the NIRF ranking this year has improved by 23 places. It was 159 last year, and for this year, it is 136. Members congratulated the University leadership, faculty, and staff. Mr. Balaji suggested raising the NIRF ranking to below the first 50 in the next two years. In reply, Prof. Shettar informed that the University is focusing on improving faculty members' research output; however, in the 'perception' criterion, we are lagging and need a strategy to improve its score.	KLE Tech has taken the following steps to improve its NIRF ranking: 1. Applied for NAAC accreditation 2. Applying for 5 more programs for NBA accreditation. 3. Starting of School of Advanced Sciences with a focus on enhanced research in basic & applied sciences; to improve research productivity and to increase national and

	Resolution: The Academic Council members expressed their satisfaction and it was decided to have a strategy to improve the NIRF ranking.	international collaborations. 4. University has applied for 12B status to UGC. The UGC expert committee visited the University on 21st and 22nd August 2021. 5. The Vice-Chancellor along with Deans regularly review the progress.
Academic Council Meeting by Circulation dated 17th August 2020		
ACM by circulation.1	To consider the Schemes, Syllabi and New academic regulations of 2 years MCA and MBA programmes as recommended by the respective Board of studies and approve the same. **Resolution: Resolved to approve the Schemes, Syllabi and New academic regulations of 2 year MCA and MBA programmes.**	The approved schemes and syllabi are being implemented during the academic year 2020-21.
ACM by circulation.2	To consider the institution of B.Voc programme from the academic year 2020-21 in collaboration with NTTF and approve the Schemes and Syllabi of the below mentioned B.Voc programs as recommended by respective Board of Studies: iii. Tool Engineering & Digital Manufacturing iv. Mechatronics Engineering & Smart Factory **Resolution: Resolved to approve the scheme and syllabi of the following BVoc programmes offered in collaboration with NTTF:** **III. Tool Engineering & Digital Manufacturing and** IV. **Mechatronics Engineering & Smart Factory**	B.Voc programs approved by the Academic Council could not be started in view of poor admissions on account of the COVID-19 pandemic.

Action Requested: The Academic Council is requested to confirm the action taken report on the minutes of the previous meeting held on 20th June 2020 and the agenda by circulation dated 17th August 2020.

Discussion: Prof. Prakash Tewari, Dean Academics, presented the action taken report. Participating in the discussions, the members made the following observations/suggestions:

- Dr. KNS agreed to send a format of 'Learning Map Creation,' which would be used to create multiple verticals and could be used by both students and faculty. This is with reference to better utilization of Coursera license utilization.
- Dr. KNS suggested keeping all licenses open only for two months for the first 500 identified people then rotate it to the next 500 people. In this way, it is possible to maximize the usage of licenses.
- Dr. Lokesh suggested a 'Learning Plan' for the faculty. He emphasized that the learning needs to be planned ahead of the commencement of the semester, and students have to be told upfront on what to do. He stressed upon organized learning and not ad hoc learning. He also suggested laying out a complete grid that will inform what and when different Coursera courses are to be learned by the faculty & students is absolutely necessary.
- Dr. KNS talked about 'Pull-based' and 'Push-based' models and said push-based models do not work. Further, he emphasized on implementing the learning plan for both the students and faculty.
- Prof. Manjunath insisted on not being too strict on doing Coursera courses as faculty are stressed.
- Prof. Ashok Shettar, the Vice-chancellor, mentioned that regarding faculty entering into the research groups, we are very rigid.
- Dr. KNS suggested looking into the ROI; department-wise benefits, monitoring of progress, and implementation of pull-model and not push-model.
- Shri Balaji asked how to help the schools/departments prepare high-quality asynchronous videos and the students' feedback about ground truth.
- Prof. Manjunath suggested having only non-KLE members having a focused group discussion with the students. He also suggested to have this interaction two weeks before the next Academic Council meeting.
- Prof. Ashok Shettar, the Vice-chancellor, welcomed both the suggestions.
- Dr. KNS said he could not digest the NIRF ranking of 136 for KLE Tech as he knows some other institutions who have been placed much above KLE Tech, and according to him, they are no comparison to KLE Tech.
- The Vice-Chancellor said other institutions might have found a way out of cracking the NIRF ranking. In this, only a few marks matter. NIRF-oriented faculty focuses on publishing quality papers with high impact factors.
- Prof. Ashok Shettar said he is confident of getting into less than 100 NIRF ranking in the next two years. We are very much hit at perception criteria, and we are closing on the research gap
- Regarding the quality of research papers published and the need to improve the quality, Prof. Shettar expressed the need to have external experts review the papers before publishing.
- Dr. Lokesh mentioned that an internal review process is also necessary.
- Shri Balaji asked Dr. Lokesh to take up this issue as an action item along with Dr. Sandeep of SRIB.
- Prof. Ashok Shettar, the Vice-chancellor, expressed that it should be of high priority item for Dean R&D.

- Dr. KNS suggested having an institute paper review committee and committed to contributing two experts from his company.
- Shri Balaji appreciated KNS for his commitment.
- Dr. Lokesh said he is willing to come for a day to review the papers and suggested having quarterly review meetings.
- Prof. Ashok Shettar asked Dean R&D to send the published papers of last year to know the quality level of our publications.
- Prof. Ashok Shettar, the Vice-chancellor, mentioned that even though we have 16 external experts to help us in research activities, most of them are good as reviewers and not as mentors.
- Shri Balaji is of the opinion that if people are not really mentors, then University should take a call.

Resolution: 11 .2 Resolved to confirm the action taken report on the minutes of its meeting held on 20th June 2020 and the agenda by circulation dated 17th August 2020.

AC 11.3	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.(2018-22) b) VII & VIII Semesters of B. Arch (2018-23) and **c)** IX & X Semesters B.Arch. (2017-22) programs
	The different Boards of studies constituted for various programs of the University, namely, BE, and B.Arch have recommended the syllabi for 7th and 8th semesters of 2018-22 (BE); and 7th & 8th semesters 2018-2023 (B. Arch), 9th and 10th semesters of 2017-22 (B.Arch) batches.

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

Discussion: Prof. Prakash Tewari, Dean Academics, requested the Chairman and the members to take up the agenda points 11.3 to 11.6 together as they are all related to the curriculum structure and content. With the permission of the Chair, Dean Academics requested the heads of school/department to present the scheme and syllabi to be taught during 2021-22, highlighting the suggestions/observations made by their respective Board of studies.

Going through the presentations made by the heads of school/department honorable members made the following suggestions/observations:

- Prof. Manjunath expressed that he is a bit uncomfortable with the new programme 'electronic & communication engineering (industry-integrated)'. Prof. Manjunath said positioning the new programme for the industry employee is a great idea. Dr. KNS said that the observations made by Prof. Manjunath are valid as this programme was thought explicitly for industry employees. The Vice-chancellor said with the NEP-2020 being implemented, it should be possible to do something for the industry-integrated programme.
- Responding to the E&E department presentation, Dr. KNS enquired about the e-mobility track and its connection with the research group. Prof. Ashok Shettar drew members' attention to all courses related to mobility are in the 7th semester and asked whether it would not be too late. Dr. KNS suggested to start offering electives from the 5th semester.
- Shri Balaji talked about Project Dristhi launched by the Prime Minister and mentioned that the IIT-Bombay is playing a key role in it.
- Dr. KNS mentioned that MoU with Coventry University needs to pick up. He volunteered to introduce Mr. Rohit Bhagat and requested KLE Tech. to invite him for a lecture on SEV.
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- The Head of the school of architecture mentioned that research in architecture has started only in 2019, and faculty are responding to the call for improving their research output.
- Referring to the Biotechnology department, Prof. Ashok Shettar mentioned that we expect this department to be a research & innovation-focused department. Dr. Lokesh suggested identifying a mentor institute, e.g., IIT-Kharagpur, for BT department to enhance basic research.
- Responding to MBA presentation, Dr. Lokesh asked whether MBA faculty are getting updated with the 'Artificial Intelligence. He also mentioned that there is a need to bringing-in AI-ML into MBA. Further, he said 30% of the faculty should be with a Data Analytics background.
- Referring to the BBA curriculum, Dr. Lokesh observed that the practical component is less and asked to compare with the benchmark institute for this programme.
- Referring to MCA curriculum, Dr. Lokesh expressed that it is a mixed bag. There are 10-15 courses that have no connection, and the courses offered in CSE and MCA look similar. He is of the opinion that there is a need to look into the BoS panel. The Vice-chancellor asked Prof. B.L. Desai to look into the issue immediately.
- Dr. KNS also expressed his agreement with the observations made by Dr. Lokesh.
- Both Dr. KNS and Dr. Lokesh suggested having specific tracks for MCA programme i.e., Full-stack development/ cloud-specific track/ web services track.
- Shri Balaji commented upon the value MCA programme adds to KLE Tech.
- Dr. Lokesh suggested contacting some experts from Amazon to get the inputs.
- Prof. Ashok Shettar, the Vice-chancellor, commented that the incremental changes are not making any changes in employment, especially for mechanical engineering students.
- Dr. KNS volunteered to arrange for KLE Tech team's visit to LTTS, Baroda plant. The team will get good exposure to re-part creation, UNDP sustainability agenda, how to design sustainable packages, recycling, and complete thermal analysis and advanced manufacturing. He also mentioned that he is willing to host two faculty members for six months at LTTS facilities.
- Dr. Lokesh initiated the discussions on Industry 4.0 and suggested that at least 15 of our labs be connected to automation. Dr. KNS suggested revamping the 3rd & 4th-year scheme and syllabi of the mechanical engineering programme.
- Prof. Manjunath suggested reducing core mechanical engineering courses and bring in automation and robotics courses, and a separate 'Automation and Robotics' programme is not required. He was of the opinion to merge mechanical engineering and automation and robotics programmes.
- All agreed that a separate meeting is required to develop a strategy for the undergraduate mechanical engineering programme.
- Prof. Ashok Shettar said he would get back to the Academic Council once the first draft is ready.

Resolution 11.3: 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.(2018-22)**
b) **VII & VIII Semesters of B. Arch (2018-23) and**
c) **IX & X Semesters B.Arch. (2017-22) programs**

AC 11.4	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 BE (2019-23) and B.Arch. (2019-24) programs b) V & VI Semesters of MCA program (2019-22)
	The different Boards of studies constituted for various programs of the University, namely, B.E., B.Arch., and MCA, have recommended the syllabi for 5th and 6th semesters of 2019-23 (BE); 2019-2024 (B.Arch); and 2019-2022 (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 11.4: 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 BE (2019-23) and B.Arch. (2019-24) programs

b) V & VI Semesters of MCA program (2019-22)

AC 11.5	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 BE (2020-24) and BArch (2020--25) programs b) III & IV Semesters of M. Tech (2020-22) and IV, V & VI Terms of MBA (2020-21) programs), and c) III & IV Semesters of MCA (2020-22)
	The different Boards of studies constituted for various programs of the University, namely, B.E., B.Arch., and MCA, have recommended the syllabi for 3rd and 4th semesters of 2020-24 (BE); 2020-2025 (B.Arch); 2020-2022 (M. Tech & MCA) and IV, V & VI Terms of 2020-2022 (MBA).

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

Discussion:

Resolution 11.5: 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 BE (2020-24) and BArch (2020--25) programs**
b) **III & IV Semesters of M. Tech (2020-22) and IV, V & VI Terms of MBA (2020-21) programs), and**
c) **III & IV Semesters of MCA (2020-22)**

AC 11.6	To consider and approve the recommendations of the respective Boards of studies for the academic programs mentioned below: a) Schemes for the batches starting from 2021, 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), M.C.A. (I to IV Semesters). b) Syllabi for batches starting from 2021 of the following programs: i. I & II Semesters of BE and BArch. ii. I & II Semesters of M Tech, MCA iii. I & II Semesters of MBA iv. I & II Semesters of BSc. (Electronics) c) Scheme of BBA (I to VI Semesters) & Syllabus of I & II Semesters of BBA.
	The different Boards of studies constituted for different programs of the University, namely, B.E., B.Arch., M. Tech., MCA and MBA have recommended the schemes for BE (I to VIII Semesters), B.Arch (I to X Semesters), MBA (I to IV semesters), M.Tech (I to IV Semesters), MCA (I to IV Semesters) and syllabi for 1st and 2nd semesters of 2021-25 (BE); 2021-2026 (B.Arch); 2021-2023 (MCA); 2021-2023 (M.Tech & MBA) and 2021-2024 (B.Sc) batches.

Action Requested: The Academic Council is requested to discuss and approve the BE, B.Arch, M.Tech, MCA, MBA and B.Sc Programmes' schemes and syllabi.

Discussion:

Resolution 11.6: Resolved to approve the Schemes and Syllabi of the below mentioned academic programs as recommended by respective Board of studies:

a) Schemes for the batches starting from 2021, 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), M.C.A. (I to IV Semesters).

b) Syllabi for batches starting from 2021 of the following programs:

i. I & II Semesters of BE and BArch.
ii. I & II Semesters of M Tech, MCA
iii. I & II Semesters of MBA
iv. I & II Semesters of BSc. (Electronics)

c) **Scheme of BBA (I to VI Semesters) & Syllabus of I & II Semesters of B.B.A.**

AC 11.7	**To discuss the research progress report for the years 2020 & 2021.**
	The Dean (R&D) will present the research progress report for the years 2020 & 2021.

Action Requested: The Academic Council is requested to discuss the research progress report for the years 2020 & 2021.

Discussion: Dr. Uma M. Dean (R&D) presented the research progress report.

Referring to the University's external funding, Prof. Manjunath commented that the grant received was highest during 2016-17, but later, it has decreased. The Vice-chancellor mentioned that 5% of total revenue had been set aside for R&D activities.

Dr. Lokesh expressed that one more jump has to happen with the SEED lab. Dr. KNS said SEED lab is like a jewel in the crown. In response, Dr. Lokesh said that SRIB wants to make it one of the top 5 labs in the world. Dr. KNS suggested coming out with a short video from both the leaders from KLE Tech and SRIB. Dr. Lokesh wants to see the lab being run like a factory.

Shri Balaji suggested using this SEED lab for branding to get NVIDIA and CISCO etc.

Prof. Ashok Shettar requested Shri Balaji and Dr. Lokesh to continue PhD internships at SRIB.

Resolution 11.7: The Academic Council noted the progress of the research activities during 2020 and 2021.

AC 11.8	**To ratify the action taken regarding the announcement of results of the June-July 2020 exam along with that of the subsequent summer semester results.**
	The results of the examination conducted since the last Academic Council meeting (June-July 2020) and subsequent summer semester 2020 are placed before the Council. *A sample of the data and its analysis is enclosed in the annexure.*

Action Requested: The Academic Council is requested to ratify the action taken regarding the announcement of results.

Discussion: Prof. Manjunath wanted to know is it a statutory requirement to ratify the results or will it be OK for the academic Council not to ratify. Prof. Tewari, Dean Academics, replied that it is a statutory requirement either to approve/ratify the results.

The Vice-chancellor asked the Controller of examinations to present the results in SGPA/CGPA analysis format as we have adopted relative grading for assessment.

Resolution 11.8: Academic Council ratified the action taken regarding the announcement of results.

11.9	**To approve the list of eligible candidates for the conferment of various degrees (Bachelor of Engineering, Master of Technology, Master of Business Administration and Master of Computer Applications) at the second convocation of KLE Technological University.**
	The Approved list of eligible candidates is tabled

Action Requested: Approve the list of eligible candidates.

Discussion:

Resolution 11.9: Resolved to approve the list of eligible candidates for the conferment of various degrees (Bachelor of Engineering, Master of Technology, Master of Business Administration and Master of Computer Applications) at the second convocation of KLE Technological University.

11.10	**To approve the list of rank holders of various programs.**
	The list of the candidates as per the regulations and recommended by COE is enclosed as Annexure.

Action Requested: Approve the list of rank holders

Discussion:

Resolution 11.10: Resolved to approve the list of rank holders of various programs.

AC 11.11	Any other subject with the permission of the Chair

Table agenda 1: To discuss the new constituent colleges joining KLE Technological University (Information agenda)

Discussion: Prof. Ashok Shettar, the Vice-chancellor, mentioned that as per the National Education Policy – 2020, all universities should become multi-disciplinary. In view of this KLE Dr.M.S. Sheshagiri College of Engineering & Technology, Belagavi, and KLE Law College, Bengaluru are joining KLE Technological University as constituent colleges from the academic year 2021-22. Further, the science, social science, commerce, and many more faculties will be added in due course of time. Some may happen organically by acquiring other KLE institutions or by setting up new campuses.

Table agenda 2: To discuss top 3 visions of the Vice-chancellor for the next 5 years (information agenda)

Discussion: Shri Balaji set the context by drawing the attention of all members towards the competitions by IIT-Dharwad and IIIT-Dharwad, which are coming up in the neighborhood and KLE Tech cannot go on in status-quo mode or in incremental improvement fashion.

Both Shri Balaji and Dr. Lokesh expressed their willingness to sit & work for meetings to align with the VC sir's vision and mission. There is a need to do homework and come back with very aggressive plans.

Dr. Lokesh said it should be a 5-year vision and has to be a grander vision. It is all about climbing the next peak. We need to go Global and think of becoming parallel to IITs. Brainstorming is a must and should be carried out in two to three sittings. He mentioned that in IISc each department/lab stand on their own. Each of the labs is a brand by itself.

Dr. KNS said that it is going to be an intense exercise and needs a lot of sitting. Guidelines to be given to each member without any constraints.

Dr. KNS raised the following questions:

- People: Right people to drive the plan
- Education model: Global and/or Local
- Where you want to build new campuses
- Finance & investments
- Enterprise and innovations
- Globalization strategy: Pros and Cons
- Break it down into Horizontal-1, Horizontal-2, and Horizontal-3, etc.

- You may contact consulting agencies, but they are very costly
- After 5 to 6 meetings, we may arrive at a hazy picture.

Prof. Manjunath expressed his concern about getting other engineering colleges into KLE Tech. His concern was of maintaining KLE Tech unique identity, which is essential. He cautioned about inbreeding and said transferring the culture is very difficult.

The Vice-chancellor asked for a two-day off-sight workshop to develop the next strategic plan 2022-2027. He also expressed his desire that the whole exercise should not be limited by his views alone.

Prof. Manjunath proposed a two-day conference with other universities e.g., Dr. Pankaj from IIIT-D and a couple of others. As far as possible, get outside, people.

Shri Balaji asked about hiring consultants for SP development and said the need to bring people with opposing viewpoints. Dr. KNS said it is better to bring a consultant at a later stage. Let our faculty bring a new vision picture. Prof. Manjunath said IIT-B has some documents from the consultants, but they are not doable.

Prof. Ashok Shettar said, let us meet for the first two-day workshop in the next three months.