Agenda

1. To get approval for the 1st year B.E/B.Arch 2018 Scheme and Syllabus.

2. To get approval for the B.E/B.Arch 2018 Regulations

3. Finalization of M.Tech., MBA, MCA and M.Arch. 2018 Scheme and Syllabus.

4. Finalization of M.Tech., MBA, MCA and M.Arch. 2018 Regulations

5. Finalize introduction of Cyber Law Course at UG level as per recommendation of KSHEC Bengaluru

6. To discuss on the course offered by National Power Training Institute Faridabad equivalent to 3 credits of B.E. programme.

7. Finalize the Scheme and Syllabus submitted by EC/CS/E and IE Composite board prepared for PG Programme M.Tech. in Artificial Intelligence and Machine Learning @VIAT Muddenahalli

8. Equivalence of Subjects for the students switching from Non-CBCS to CBCS and vice-versa

9. i) To discuss and finalize the grouping of course work subject for Ph.D. programme from 2018

   ii)To discuss and revise the VTU ETR Syllabus for Ph.D./M.Sc. (Engg.) by Research 2018

10. Any other matter with the permission of the chair.

Table Agenda:

1. Equivalence Certificate for B.E. Electronics and Communication Engineering is equivalent to Electronics Engineering

2. Additional requirement for earning 4/5 year Degree Programme Activity points

3. Proposal for starting M.Tech. Food Technology course. Submitted by Jyothy Institute of Technology, Bangalore

4. Request to change the Nomenclature from Telecommunication Engineering to "Electronics and Telecommunication Engineering".

5. Exemption of Constitution of India Professional Ethics and Human Rights of 2015-16 scheme. Who have admitted in 2017-18 scheme.

6. Recomposite of Mathematics, Aptitude and subject proposed Mathematics 20, Aptitude 10 and subject 70 for Ph.D. Entrance Exam

7. Consideration of request not to have Mathematics part for Architecture ETR Ph.D. entrance Test

8. Eligibility of Diploma courses for B.E. Aeronautical Engg/Aerospace Engg and Bio-Medical Engineering Letter received from D.T.E., Bangalore

9. B.E. Multidisciplinary projects for final year students

10. B.E. Hon's

Agenda with the permission of the Chair

1. Consideration of Diploma completed graduates students not less than with Five year of experience(as per norms of Karnataka Factories Rules,1969) for admission of post graduate diploma in Industrial Safety Management @ International Institute of Industrial Safety Management Bangalore, VTU Extension Centre

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, Chairpersons of BOS and also Special invitees, and requested the Honorable Vice-Chancellor for the further proceedings. Honorable Vice-Chancellor welcomed chairpersons of BoS and Special Invitees and requested for their active participation, discussions and fruitful conclusions. The proceedings of meeting are as follows:

Agenda -1	:	To get approval for the 1st year B.E/B. Arch 2018 Scheme and Syllabus
Resolution	:	Approved the Scheme of Teaching and Examinations, and Syllabus for 1st year BE/B.Tech/B. Arch 2018 -19 batch
Agenda -2	:	To get approval for the B.E/B.Arch 2018 Regulations
Resolution	:	Approved the Regulations 2018 -19 governing BE/B.Tech and B.Arch programmes
Agenda -3	:	Finalization of M.Tech. MBA, MCA and M.Arch. 2018 - 19 Scheme and Syllabus.
Resolution	:	Approved the PG programmes Scheme of Teaching and Examination and Syllabus.
Agenda -4	:	Finalization of M.Tech., MBA, MCA and M.Arch. 2018 Regulations
Resolution	:	Approved the PG Regulations 2018 -19.
Agenda -5	:	Finalize introduction of Cyber Law Course at UG level as per the recommendation of KSHEC Bengaluru
Resolution	:	To include Cyber Law under the fifth module of the course titled Constitution of India, Professional Ethics and Cyber Law.
Agenda -6	:	To discuss on the course offered by National Power Training Institute Faridabad equivalent to 3 credits of B.E. programme.
Resolution	:	(a)Resolved to consider the online certification course offered by National Power Training Institute, Faridabad to be equivalent to 3 credits of BE/B.Tech programme. (b) The credits earned by students through NPTI online programme shall be considered for the award of Under Graduate degree with Honours. [To be read with the resolution of Table Agenda-12]
Agenda -7	:	Finalize the Scheme and Syllabus submitted by EC/CS/E and IE Composite board prepared for PG Programme M.Tech. in Artificial Intelligence and Machine Learning @VIAT Muddenahalli
Resolution	:	(a) Approved the scheme of teaching and examination, and syllabus of M.Tech in Artificial Intelligence and Machine Learning.

		(b) As, the programme titled M.Tech. in Artificial Intelligence and Machine Learning is not in the list of AICTE Post Graduate Degree in Engineering and Technology, the Registrar shall seek approval for the same from AICTE.
Agenda -8	:	Equivalence of Subjects for the students switching from Non-CBCS to CBCS and vice-versa.
Resolution	:	(a)Board of Studies to prepare programme wise list of equivalent UG courses (UG). (b) Board of Studies to propose equivalent courses for PG programmes case by case when sought by the Registrar, VTU.
Agenda -9	:	i) To discuss and finalize the grouping of course work subject for Ph.D. programme from 2018. ii)To discuss and revise the VTU ETR Syllabus for Ph.D./M.Sc (Engg.) by Research 2018
Resolution	:	i) (a)Each candidate provisionally registered for the Ph.D programme shall have to go through the prescribed coursework choosing four courses out of which the course Research Methodology and IPR shall be compulsory. The remaining three courses shall be pertaining to the candidates research work as decided by the Doctoral Committee. (b) Courses for the coursework shall be selected from the list of courses under six different groups 1 to 6. (c)The groups shall have courses in the relevant areas as approved by the Board of Studies concerned and approved by Academic Council. (d)Each candidate provisionally registered for the M.Sc (Engineering by research) shall have to go through the prescribed coursework choosing six courses out of which the course Research Methodology and IPR shall be compulsory. The remaining five courses shall be pertaining to the candidates research work as decided by the Doctoral Committee. Courses for the coursework shall be selected from the list of courses under six different groups 1 to 6. (ii) The topics for Ph.D. VTU ETR for Ph.D/M.Sc (Engineering) by Research Examinations 2018 shall be covered by Mathematics, Aptitude and Subject of specialization. The syllabus for mathematics and Subjects of specialization shall be furnished by the corresponding Board of Studies. The syllabus for Aptitude shall be framed by Prof. V Keshava Murthy, VTU and Dr.R. Prabhakar, VTU. (iii) The clause Ph.D 14.1 (d) shall be suitably amended to address the decision of JBOS in this regard.

Table Agenda

With the permission of the chair, the following issues were taken up for discussion

Table Agenda-1	:	Equivalence Certificate for B.E. Electronics and Communication Engineering is equivalent to Electronics Engineering
Resolution	:	B.E. Electronics and Communication Engineering of VTU shall be considered as equivalent to B.E. in Electronics Engineering.

Table Agenda-2	:	Additional requirement for earning 4/5 year Degree Programme Activity points
Resolution	:	Implement AICTE Activity points programme to the 2018-19 scheme students for the award of BE/B.Tech Degree. The Activity of each student to earn the Activity points shall duly be monitored by NSS/NCC/Sports/ Sansad Adarsh Gram Yojana (SAGY) Coordinator or Training and Placement Officer (TPO) of the Institute assisted by the mentors of the students. The Principal shall send the Activity points of each student along with the CIE marks of eighth semester. For the award of degree, every student shall earn the AICTE prescribed Activity points.
Table Agenda-3	:	Proposal for starting M.Tech. Food Technology course. Submitted by Jyothy Institute of Technology, Bangalore
Resolution	:	(a) To inform Jyothy Institute of Technology, Bengaluru to resubmit the proposal for starting M.Tech. Food Technology programme as per the VTU Postgraduate Scheme of Teaching and Examination 2018 -19. (b) Board of Studies in Bio-Technology Board to scrutinize the proposal and submit its recommendation on the application for starting M.Tech. Food Technology programme.
Table Agenda-4	:	Request to change the Nomenclature from Telecommunication Engineering to "Electronics and Telecommunication Engineering".
Resolution	:	(a) Approved to change the existing nomenclature of the programme Telecommunication Engineering to "Electronics and Telecommunication Engineering". (b) Change in nomenclature shall come into effect from the academic year 2019 -20. (c) The degree certificate to show the degree as "Electronics and Telecommunication Engineering" (previously Telecommunication Engineering).
Table Agenda-5	:	Exemption of Constitution of India Professional Ethics and Human Rights of 2015-16 scheme. Who have admitted in 2017-18 scheme.
Resolution	:	Exempt the students who have studied and passed Constitution of India Professional Ethics and Human Rights under 2015-16 scheme and got readmitted to 3rd /4th semester under 2017 scheme. It is also resolved to consider **One (1)** credit for the same in Grade Card.
Table Agenda-6	:	Recomposite of Mathematics, Aptitude and subject proposed Mathematics 20, Aptitude 10 and subject 70 for Ph.D. Entrance Exam
Resolution	:	The maximum marks for Ph.D. VTU ETR for Ph.D./M.Sc. (Engineering) by Research Examinations 2018 shall be 100 marks. The distribution of marks shall be as indicated below. • Questions on Mathematics: 20 Marks • Questions on Aptitude: 20 Marks • Questions on the Subject of specialization: 60 Marks.
Table Agenda-7	:	Consideration of request not to have Mathematics part for Architecture ETR Ph.D. entrance Test
Resolution	:	(a)The syllabus content of mathematics for Architecture ETR Ph.D. entrance Test shall be Basic Trigonometry and Probability and Statistics.

		(b) The syllabus content of mathematics for Textile ETR Ph.D entrance Test shall be the topics studied by the students during UG and PG programmes.
Table Agenda-8	:	Eligibility of Diploma courses for B.E. Aeronautical Engineering /Aerospace Engineering and Bio-Medical Engineering Letter received from D.T.E., Bangalore
Resolution	:	To follow the eligibility prescribed by AICTE. [Refer: page 217, Major disciplines, their corresponding courses and relevant/ appropriate branch of diploma in engineering and technology]
Table Agenda-9	:	B.E. Multidisciplinary projects for final year students
Resolution	:	Allow Multidisciplinary projects in B.E. Program for a group of 4 to 6 students and evaluation to carry out at the respective departments.
Table Agenda-10	:	Proposal grouping of the subjects for Ph.D. Civil Engineering course work subject
Resolution	:	To bring the amendment to existing Regulations governing Ph.D. program [clause Ph.D 14.1 (d)] to select One (1) subject per group instead of 2 subjects per group.
Table Agenda-11	:	Previous list of different Ph.D. course work subject that can be offered under Mechanical Engineering faculty
Resolution	:	It is resolved to modify the list as per the resolution for Agenda -9
Table Agenda-12	:	BE/B.Tech Hon's
Resolution	:	(a) To award Under Graduate degree (BE/B.Tech) with Honours. [Refer to page 3, AICTE Model Curriculum for Undergraduate Degree Courses in Engineering and Technology, January 2018, Volume I] (b) A student shall be eligible to get Under Graduate degree with Honours, if he/she completes an additional 20 credits. These could be acquired through MOOCs and NPTI online programme.
Agenda with the permission of the Chair	:	Consideration of diploma completed graduates students not less than Five year of experience(as per norms of Karnataka Factories Rules,1969) for admission to PG diploma in Industrial Safety Management - PGDISM offered at IIISM College (VTU has a MoU as an extension center with college for the award of PG diploma)
Resolution	:	To extend eligibility for graduate students like M.Sc and B.Sc (with one year experience) and Diploma (with five year of experience) to pursue the course.

The Meeting concluded with thanks by the chair.

Registrar

Vice-Chancellor

Joint Board of Studies Meeting held on 27th March 2018 at Executive Council Meeting Hall, Belagavi at 11.00am

Members Present:

1	Dr. Karisiddappa, Chairman JBoS and Hon'ble Vice-Chancellor, VTU, Belagavi.
2	Dr. H. C. Nagaraj, Dean Faculty of Engineering VTU, Belagavi & Principal, Nitte Meenakshi Institute of Technology, Bengaluru.
3	Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
4	Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
5	Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engineering of VTU, Belagavi.
6	Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
7	Dr. Aswath M. U., Chairman, BOS in Civil Engineering of VTU, Belagavi.
8	Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
9	Dr. Shobha Savanur, Chairman, BOS in E & E of VTU, Belagavi.
10	Dr. Mallikarjun S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi.
11	Dr.U. Bhojanna, Chairman, BOS in MBA of VTU, Belagavi.
12	Dr. R. P. Reddy, Chairman, BOS in Mechanical Engineering of VTU, Belagavi.
13	Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi.
14	Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belagavi.
15	Dr. Nandakishore, Chairman, BOS in Automobile Engineering of VTU, Belagavi.
16	Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi.
17	Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi.
18	Dr. H.S. Dayananda, Chairman, BOS Humanities of VTU, Belagavi.
19	Dr. Satish Annigeri, Registrar (Evaluation), VTU, Belagavi.
20	Dr. H.N. Jagannatha Reddy, Member Secretary JBoS and Registrar, VTU, Belagavi.
21	Prof.V.Keshava Murthy, Special Invitee, Department of E&E, Dr.Ambedkar Institute of Technology, Bengaluru.
22	Dr. R Prabhakara, Former Prof and Head MSRIT, Bengaluru.
23	Dr. C N Chandrappa , Special Invitee, Acharya Institute of Technology, Bengaluru
24	Dr Vaman Gudi , Special Invitee, Dept of E&C, Cambridge Institute of Technology, Bengaluru

Members on Leave:

1	Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi.
2	Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.

Agenda

1. Finalization of 1st year Scheme for 2018-19 UG and PG Curriculum and Timeline for submission of Syllabus is enclosed.

2. Guidelines for Framing the regulations for 2018-19 Scheme (The 2017-18 Scheme Regulation is placed on file for reference)

3. Introduction of Bachelor's of Vocation as per AICTE Syllabus and Guidelines

4. Any other matter with the permission of the chair.

Table Agenda:

1. Implementation of Scientific Perspective and History on Modern Science Course in UG Level (as per the Government order ED 113 UNI 2017, dtd: 05.03.2018).

2. Consideration of M.Sc and B.Sc graduates for the admission of Post Graduate D in Industrial Management-PGDISM for IIISM College (University has a MoU with this college for the award of degree).

3. The Eligibility Criteria for the admissions of MBA, MCA, ME and M.Tech and also the Criteria for the candidates passed through Open University/ Correspondence Course.

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, Chairpersons of BOS and also Special invitees and presented the salient features of the model AICTE curriculum along with

- Proceedings of the Joint BoS meeting held on 14th February 2018 at VTU, Regional Office, Bengaluru.

- Proceedings of the One Day Workshop on "AICTE Model Curriculum" for UG and PG Programs held on 12th March 2018 at BMSCE, Bengaluru.

He requested the Honorable Vice-Chancellor for the further proceedings. Honorable Vice-Chancellor, Dr. Karisiddappa welcomed and requested all the chairpersons of BoS and Special Invitees for their active participation, discussions and fruitful conclusions. The outcomes of the deliberations in the form of resolutions are listed against each agenda.

Agenda -1	:	**Finalization of 1st Year scheme for 2018-19 UG and PG curriculum**
Resolution		Revise the scheme of Teaching and Examination, and syllabus for UG programs from the academic year 2018-19 in line with AICTE model curriculum and implement the scheme in compliance with the following.
Agenda -1 **Resolution** **(continued)**	:	(content below)

A. UG Programs

(UG.a) : UG Programs Credits

Table.1 Credits for the UG Programs starting from the academic year 2018 - 19	
Programs	**Credits**
B.E/ B.Tech/ Textiles/ Bio Tech/ B. Plan (All 4 years)	175
B. Arch (5 years)	260

(UG.b): Three weeks mandatory Induction Programme

(UG.c): Duration of I semester to be 18 weeks. The exact duration shall be intimated by Registrar (Evaluation) with reference to the period required for conducting of University examinations.

(UG.d): Period of vacation after I semester University examination to be decided with reference (c). Preferable to reduce the present vacation period by 2 weeks.

(UG.e): The credits for I and II semesters to be around 19 and 21 respectively.

(UG.f):

i. Formulate the syllabus of Physics, Chemistry and Mathematics that are appropriate for all the programs with due consideration to the PUC and XII Standard syllabi.

ii. Dr.A. T. Eswara, Chairman of Basic Science Board of Studies to convene a meeting of Chairpersons of BOS in EEE, ECE, Mechanical Engineering, Civil Engineering and Humanities on or before 10th April 2018 to finalize the syllabus of Physics, Chemistry and Mathematics.

(UG.g) : The course, Engineering Graphics be shifted to 1st year with sketching compulsory.

(UG.h) : The mandatory courses Constitution of India and Professional Ethics, Environmental Studies, and Kannada shall be offered in III & IV semesters.

(UG.i) : Number of courses from III to VI semesters to be

- 06 theory and 02 laboratories for Engineering programs and
- 05 theory and 03 laboratories for Textile programme.

Agenda -1 Resolution (continued)	(UG.j) : The UG, BE/B.Tech. to have

(UG.j) : The UG, BE/B.Tech. to have

- one mandatory internship and
- Internship or mini – project during VI semester.

(UG.k) :

(a) The mandatory non – credit courses Diploma Mathematics I and II prescribed at III and IV semesters respectively, to lateral entry Diploma holders admitted to III semester of BE/B.Tech programs shall compulsorily be registered during respective semesters to complete all the formalities of the course and appear for University examination.

(b) The mandatory non-credit courses Diploma Mathematics I and II, prescribed to lateral entrant Diploma holders admitted to III semester of BE/B.Tech programs, are to be completed to secure eligibility to VII semester. However, they are not considered for vertical progression from II year to III year of the programme but considered as head of passing along with credit courses of the programme to eligibility to VII semester.

(UG.l) : Chairpersons of BOS to organize workshops in their respective field of specialization to debate and evolve, based on the outcome, the scheme of Teaching and Examination for all the semesters.

(UG.m): The academic section to issue templates for tentative UG scheme of teaching and examination.

B. PG Programs

Revise the scheme of Teaching and Examination, and syllabus for PG programs from the academic year 2018-19 in line with AICTE model curriculum and implement the scheme in compliance with the following.

(PG.a) : PG Programs Credits

Credits for the PG Programs starting from the academic year 2018 - 19	
Programs	Credits
M.Tech.	72
MBA	102
MCA	125
M.Arch.	100

(PG.b) : The ratio of evaluation of SEE and CIE be 60:40.

(PG.c) : Courses for M.Tech programs shall be

- 05theory, 01 laboratory and Technical seminar for I semester.
- 05theory, 01 laboratory and mini- project/internship for II semester.
- 02theory and mini- project/internship for III semester.
- Dissertation and Technical seminar for IV semester.

Agenda -1 Resolution (continued)		(PG.d) : The academic section to issue templates for tentative PG scheme of teaching and examination.
		C. Calendar of events for different activities of UG and PG Programs.

<table>
<tr><td colspan="2">Calendar of events</td></tr>
<tr><td>Particulars</td><td>Last Date/Duration</td></tr>
<tr><td>Submission of tentative Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs.</td><td>19th April 2018</td></tr>
<tr><td>Publication of tentative Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs on University website for Feedback</td><td>21th April 2018 to 30th April 2018 for Feedback</td></tr>
<tr><td>Mandatory workshop to be conduct on Scheme(2018-19) by each BOS</td><td>Between 1st May 2018 and 20th May 2018</td></tr>
<tr><td>Submission of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs University(by E-Mail)</td><td>23rd May 2018</td></tr>
<tr><td>Publication of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs on University website</td><td>25th May 2018</td></tr>
<tr><td>Presentation of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs before AS and EC for approval.</td><td>Last week of May 2018 or First week of June 2018</td></tr>
</table>

Agenda -2	:	**Guidelines for framing the regulations for 2018-19 schemes.**
Resolution		• Frame the VTU Regulations 2018-19 of different programs by incorporating appropriate changes in the existing Regulations 2017-18. • The framing of VTU Regulations 2018-19 to be completed by Prof.V.Keshava Murthy, Dr. R. Parahakara and Sri. Vaman Gudi, all Special Invitees to JBOS.
Agenda -3	:	**Introduction of Bachelor's of Vocation as per AICTE Syllabus and Guidelines.**
Resolution	:	a. A committee under the chairmanship of Dean, Faculty of Engineering to submit a report detailing the procedure for the institution of Bachelors of Vocation at VTU and other affiliated institutions.

Agenda -3 Resolution (continued)	b. Amend a clause to VTU statutes in respect of institution of Bachelors of Vocation programme.
	c. Seek concurrence from Government of Karnataka with respect to institution of Bachelors of Vocation programme, fees structure etc.

Table Agenda

With the permission of the chair, the following issues were taken up for discussion

Table Agenda-1	:	**Implementation of Scientific Perspective and History on Modern Science Course in UG Level (as per the Government order ED 113 UNI 2017, dated 05.03.2018).**
Resolution	:	Dr. H.S. Dayananda , Chairman , BOS Humanities of VTU, Belagavi to submit a report about the feasibility of introducing the above said course at the earliest.
Table Agenda-2	:	**Consideration of M.Sc and B.Sc graduates for the admission of Post Graduate Diploma in Industrial Management-PGDISM offered at IIISM College (University has a MoU with this college for the award of degree).**
Resolution	:	Recommended to permit the M.Sc and B.Sc Graduates for the admission to Post Graduate Diploma in Industrial safety Management-PGDISM offered at IIISM College (University has a MoU as an extension center with this college for the award of Postgraduate Diploma).
Table Agenda-3	:	**The Eligibility Criteria for the admissions to MBA, MCA, and M.Tech and also the Criteria for the candidates who have passed through Open University/ Correspondence Course.**
Resolution	:	Respective BOS chairpersons to submit the eligibility criteria for admission to the concerned Programme as per UGC/AICTE norms by 05th April to Registrar, VTU for on word submission to Karnataka Examination Authority, Bengaluru.

The Meeting concluded with thanks by the chair.

Registrar

Vice-Chancellor