



Mangalore Institute of Technology and Engineering
(An ISO 9001:2015 Certified Institution)

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Minutes of the Board of studies/Academic council meetings

2.2 : Matters Concerning Board of Studies

Item No.2.2.1 of the Agenda of the
114th meeting of the Executive Council
to be held on 2nd August 2014

CONSIDERATION OF REVISION OF SCHEME & SYLLABUS OF B.E./B.ARCH. PROGRAMMES (2014-15)

The Scheme & Syllabus of UG Programmes were revised during the year 2010-11. As has been the policy of VTU to revamp the Scheme and Syllabus for every 4 years for UG Programme and two years for PG Program, the University has taken up this exercise in revising the Scheme & Syllabus from the academic year 2014-15.

In this connection, the Chairman, BOS of the concerned Boards of Studies have prepared and submitted the final 'Draft Scheme & Syllabus' of I Year B.E. / B.Arch. Programmes to be made effective from 2014-15. However, the same has already been uploaded in the University website for convenient of the students and teaching staff in view of urgency.

Hence, the final 'Draft Scheme & Syllabus' of I Year B.E. / B.Arch. Programmes is being placed before the Academic Senate and the recommendations of the Academic Senate will be placed on the table.

Resolution No.2.2.1

The Executive Council resolved to accept the recommendation of the Academic Senate which recommended to approve the revision of Scheme & Syllabus of B.E. / B.Arch. Programmes from the academic year 2014-15.

Minutes of the 114th Executive Council Meeting held on 2-8-2014 A6

Item No.2.2.3	<p>Consideration of the Regulations Governing the PG Programmes (M.Tech., M.Arch., MBA and MCA) under CBCS at VTU</p>
	<p>The Choice Based Credit System (CBCS) has been introduced in the curriculum of PG courses of VTU since the academic year 2016-17. In this context, new Regulations needed to be framed for the PG programmes of VTU, in place of existing Regulations.</p> <p>The subject of finalisation of Regulations governing different PG programmes under CBCS was discussed in the Joint Board of Studies (JBOS) meeting held on 19-8-2016 and the JBOS has recommended to accept in principle the Common Regulations for all PG programmes, as placed. However, JBOS authorised the Special Invitee Dr. M. S. Shivakumar and Dr.Keshavamurthy, to take note of the observations made during the meeting and recast the CBCS regulations for M.Tech., MCA and MBA programmes of VTU, in line with the structure of already framed B.E./B.Tech. Regulations under CBCS, so that maximum uniformity is maintained across all the PG course regulations.</p> <p>Now, the draft Regulations governing the (i) Master of Technology (ii) Master of Architecture (iii) Master of Business Administration and (iv) Master of Computer Applications as finalised, are placed before the Executive Council for approval as per the provisions of Section 20(n) of VTU Act 1994. If approved the same will be implemented w.e.f 2017-18.</p> <p>The subject is being placed before the Academic Senate and the recommendations of the Academic Senate will be placed on the table.</p>
	<p>Resolution No.2.2.3</p> <p><i>The Executive Council resolved to accept the changes as suggested by the Academic Senate for the draft Regulations Governing the PG Programmes (M.Tech.,M.Arch. MBA, and MCA) under CBCS of VTU. However, the Executive Council resolved to refer these Regulations to the Joint Boards of Studies, as some more modifications were felt necessary, and finalise on the similar lines of Regulations governing CBCS UG Programmes.</i></p>

Executive Council Meeting held on 28-06-2017.....

Item No.3 of the Agenda of the
Extra-ordinary 120th meeting of the
Executive Council to be held on
8-6-2015

**Consideration of Regulations governing Bachelor
of Engineering / Bachelor of Technology as per
CBCS Scheme.**

The Joint Board of Studies Meeting was held on 27-4-2015 in the VTU's
Regional Office, Bengaluru. The Regulations governing Bachelor of
Engineering / Bachelor of Technology as per CBCS Scheme were
finalized and approved.

The approved Regulations are being placed before the Academic
Senate and the recommendations of the Academic Senate will be
placed on the table.

Resolution No.3

**The Executive Council resolved to accept the recommendations of the Academic
Senate which recommended to approve the Regulations governing Bachelor of
Engineering / Bachelor of Technology as per CBCS Scheme.**

Proceedings of the Extra-ordinary 120th Executive Council Meeting held on 8-6-2015 KCP-85

SO/AG

CHOICE BASED CREDIT SYSTEM (CBCS)
REGULATIONS GOVERNING
THE DEGREE OF BACHELOR OF ENGINEERING / TECHNOLOGY
(B.E./B.Tech.)

DEFINITIONS OF KEY WORDS:

1. **University:** Visvesvaraya Technological University, Belagavi.
2. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
3. **Semester:** Each semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from August to January and even semester from February to July.
4. **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (*core, elective and Foundation Courses*).
5. **Credit Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree or certificate is prescribed in terms of number of credits to be earned by the students.
6. **Programme:** An educational programme leading to award of a Degree or certificate.
7. **Course:** Usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weightage. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study etc. or a combination of some of these.
8. **Branch:** Specialization or discipline of B.E./B.Tech. Degree Programme, like Civil Engineering, Textile Engineering, etc.
9. **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters S, A, B, C, D, E and F.
10. **Grade Point:** It is a numerical weightage allotted to each letter grade on a 10-point scale.
11. **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
12. **Credit Point:** It is the product of grade point and number of credits for a course.
13. **Semester Grade Point Average (SGPA):** It is a measure of academic performance of student/s in a semester. It is the ratio of total credit points secured by a student in various courses registered in a semester and the total course credits

taken during that semester. It shall be expressed up to two decimal places.

- 14. Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points earned by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
- 15. First Attempt:** If a student has completed all formalities and become eligible to attend the examinations and has attended at least one head of passing, such attempt (first sitting) shall be considered as first attempt.
- 16. Transcript or Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.

Choice Based Credit System (CBCS): The CBCS provides choice for students to select from the prescribed courses.

Sequencing Plan for the B.E. / B.Tech. Degree Curriculum

Semesters	Course Coverage
I –II	HSS, BS and ES; Common for all Branches; Mandatory Courses
III-IV	BS Common for all Branches and ES; PS – Core/Elective
V-VII	PS- Core & Electives; Other Electives; Branch-wise Orientation
VIII	PS-Electives/Elective ; Other Electives, Internship, Project work

Abbreviations:

HSS - Humanities and Social Sciences

BS - Basic Sciences

ES - Engineering Sciences

PS - Professional Subjects

Credit Structure for Course Work

Lectures (hrs/wk /Sem)	Tutorial (hrs/wk/ Sem)	Lab. Work (hrs/wk/Sem)	Credits (Lec:instruction:Lab)	Credits (Total)
4	0	0	4:0:0	4
3	0	0	3:0:0	3
0	1	2	0:1:2	2

CHOICE BASED CREDIT SYSTEM (CBCS)
REGULATIONS GOVERNING
THE DEGREE OF BACHELOR OF ENGINEERING / TECHNOLOGY
(B.E./B.Tech.)

15OB 1	TITLE AND DURATION OF THE PROGRAMME OF STUDY
15OB 1.1	The program of study shall be called the degree Program of study in Bachelor of Engineering / Technology, abbreviated as B.E. / B.Tech.
15OB 1.2	The program shall be of four academic years duration divided into eight semesters, each semester having duration of 16 weeks. For evening courses the contact hours are to be satisfied by working extra on afternoons of Saturdays and Sundays.
15OB 1.3	The calendar of events in respect of the program of study shall be fixed by the University from time to time.
15OB 1.4	The examination in all programs of study shall be conducted at the end of each semester for all eight semesters.
15OB 2	ELIGIBILITY FOR ADMISSION (The Government orders issued from time to time in this regard shall prevail).
15OB 2.1	Admission to I year / I semester Bachelor Degree in Engineering / Technology shall be open to the students who have passed the second year Pre-University or XII standard or equivalent examination recognized by the University. For the prerequisite qualification earned from foreign countries, Equivalence certificate from the Association of Indian Universities is Mandatory. The decision of the Equivalence committee shall be final in establishing the eligibility of student.
15OB 2.2	In addition to 15OB 2.1, the student shall have secured not less than forty five percent (45%) marks in the aggregate with Physics and Mathematics as compulsory subjects, along with any one of the following subjects, namely, Chemistry, Bio-Technology, Computer Science, Biology and Electronics or as decided by the Government of Karnataka. Provided that, the minimum marks for the purpose of eligibility shall be forty percent (40%) in optional subjects in case of students belonging to SC/ST and OBC students from Karnataka or as decided by the Government of Karnataka. Provided further that, the student shall have studied and passed English as one of the subjects.
15OB 2.3	Admission to II year/ III semester Bachelor Degree in Engineering/ Technology (Lateral Entry) shall be open to the students Diploma Holders <ul style="list-style-type: none"> • Must have passed diploma or equivalent qualification as recognized by University and secured not less than forty five percentage (45%) marks in the final year examination (fifth and

	<p>sixth semesters) in the appropriate branch of engineering. In case of SC/ST and OBC students from Karnataka the minimum marks for eligibility shall be forty percent (40%).</p> <ul style="list-style-type: none"> • Who have completed their Diploma from other than Karnataka state shall provide the Equivalence/ Eligibility Certificate from the Director of Technical Education, Karnataka. • Who are seeking admission under lateral entry shall also clear prescribed Bridge courses (Advanced Mathematics – III and IV) and Mandatory subjects (CPH and CIV) as specified by the University. <p>B.Sc. Graduates</p> <ul style="list-style-type: none"> • Must have passed B.Sc. degree from a recognized University as defined by the UGC or equivalent qualification as recognized by University and secured not less than forty five percentage (45%) marks in aggregate (including all six semesters). In case of SC/ST and OBC students from Karnataka the minimum marks for eligibility shall be forty percent (40%). Should have studied Mathematics as subject of study at XII Standard. • Further, all the B.Sc. students seeking admission to lateral entry shall also clear the following subjects before entering into V Semester <ul style="list-style-type: none"> I. Computer Aided Engineering Drawing (CAED) and II. Programming in C and Data Structures III. CPH and CIV (if not studied at B.Sc. Level).
15OB 2.4	<p>Admission to Evening Programme of study shall be open to a student Who on the first day of the term notified by the University for the year of admission has at least one-year professional experience in the branch of engineering / technology, in which the student holds a diploma.</p> <p>Explanation: Professional experience means employment on regular basis</p> <ul style="list-style-type: none"> a. in Government, Government undertaking, Public Sector undertaking, Corporations or b. in a private company registered under the Directorate of Industries and Commerce or the Directorate of Small Scale Industries or c. In Government, Government recognized institutions as technical staff. <p>Provided that the period of apprenticeship undergone shall also be treated as professional experience, if sponsored by the Board of Apprenticeship Training, Southern Region Chennai or by any Government, Government undertaking or Public Sector undertaking. Provided further that employment shall be in an establishment situated within the urban agglomeration of city in which the professional institution is situated.</p>
15OB 2.5	<p>Those students, who have passed a qualifying examination other than</p>

	the PUC II examination of the Pre-University Education Board of Karnataka, have to obtain eligibility certificate for seeking admission to B.E./B.Tech. Degree Programme from Visvesvaraya Technological University, Belagavi or from the Principal of concerned Engineering College of Karnataka State.
15OB 3	ATTENDANCE REQUIREMENT
15OB 3.1	Each semester is considered as a unit and the student has to put in a minimum attendance of 85% in each Course with a provision of condonation of 10% of the attendance by the Vice-Chancellor on the specific recommendation of the Principal of the college where the student is studying, showing reasonable cause such as medical grounds, participation in University level sports, cultural activities, seminars, workshops, paper presentation, etc.
15OB 3.2	The basis for the calculation of the attendance shall be the number of hours prescribed by the University by its calendar of events. For the first semester students, the same shall be reckoned from the date of admission to the course as per CET allotment.
15OB 3.3	The students shall be informed about their attendance status periodically by the colleges so that the students shall be cautioned to make up the shortage. The Principals of the affiliated Colleges shall submit the list of students who have been detained for shortage of attendance by the end of the semester to the Registrar (Evaluation) with a copy to the Registrar. Provided that mere omission by the college to inform the student about the shortage of attendance shall not entitle him to appear for examination.
15OB 3.4	A student having shortage of attendance in one or more subjects shall have to repeat the whole semester and such students shall not be permitted to take admission to next higher semester. Such students shall take readmission to the same semester in the subsequent academic year.
15OB 3.5	TEMPORARY DISCONTINUATION OF THE PROGRAM: A student, who wishes to temporarily discontinue the program and continue the same subsequently, has to obtain prior permission from the University by applying through the Principal. Such students have to take readmission to the same semester/year in the subsequent academic year. However, the student shall complete the course as per 15OB 6.2.
15OB 4	INTERNAL ASSESSMENT MARKS
15OB 4.1	There shall be a maximum of 20 Internal Assessment Marks in each theory or practical paper. For seminars, the Internal Assessment marks shall be 50.

15OB 4.2	The Internal Assessment marks in a theory paper shall be based on two tests generally conducted at the end of 6 th and 12 th week of each semester. An additional test may be conducted for the desirous students before the end of the semester to give an opportunity to such students to improve their Internal Assessment Marks, subject to the provisions of 15OB 4.13. The test shall be answered in Blue Books with pages serially numbered. These blue books shall be kept in the custody of the Principal of the College until after one month from the date of announcement of the result by the University. These shall be made available to University authorities for verification as per the directions of the Registrar (Evaluation)/ Registrar.
15OB 4.3	Average of the better marks obtained from any two tests shall be the Internal Assessment Marks for the relevant subject.
15OB 4.4	If a student remains absent for all the Internal Assessment tests conducted, the Internal Assessment Marks shall be marked as AB for the subject against the University Seat Number (USN) of the student in the marks sheet submitted to the University by the Principal of the College.
15OB 4.5	In the case of a Practical, the IA marks shall be based on the laboratory journals/reports and one practical test.
15OB 4.6	The IA marks for I year Computer Aided Engineering / Drawing: a) 12 marks for class work (sketching and Computer Aided engineering drawing). b) 08 marks for test in the same pattern as that of the main examination (better of the two tests) ii) The IA marks for other Drawings and Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 60:40.
15OB 4.7	The IA marks in the case of projects and seminars in the final year shall be based on the evaluation at the end of 8 th semester by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the project / seminar guide.
15OB 4.8	The final list, incorporating corrections (if any) of IA marks awarded to the students in the Theory/Practical/Internship/Project work/ Seminar, shall be displayed on the notice board of the college at least seven days before the closure of the semester and a certified copy of the same shall be sent by the Principals to the University Examination Section within the stipulated date. Every page of the IA marks sheet shall bear the signatures of the concerned Teacher/Teachers, Head of the Department and Principal.
15OB 4.9	Any corrections or over writing of IA marks shall bear the signature(s) of concerned Teacher(s) and in such cases the Head of the Department shall on every sheet indicate the number of corrections and attest it with his signature.

15OB 4.10 (a)	A student failing to secure a minimum of 50% of the IA marks in Practical/Internship/Project work shall not be eligible for the Practical /Internship/Project of the University examination.
15OB 4.10 (b)	For seminars, the minimum requirement of IA marks shall be 40% of the maximum.
15OB 4.11	Such students as mentioned in 15OB 4.10 shall repeat the laboratory work/Internship/project work during the subsequent semester(s) and secure at least the minimum marks prescribed.
15OB 4.12	For theory subjects, there shall not be any minimum requirements of IA marks.
15OB 4.13	Improvement of IA marks shall not be allowed a. In theory subjects and b. In Laboratory/Workshop/Seminar/ Internship / Project where the student has already secured the minimum required marks.
15OB 4.14	IA marks of those students to whom 15OB 4.11 is applicable, shall be sent separately to the Registrar (Evaluation).
15OB 4.15	IA marks shall reach the University before the commencement of examination as per the notification from the office of the Registrar (Evaluation) from time to time. After the submission of Internal Assessment marks to the University, any request for change of IA marks shall not be considered under any circumstances.
15OB 5	ELIGIBILITY FOR PASSING A student who obtained Grades O to E shall be considered as passed and if a student secured "F" grade in any of the head of passing he /she has to reappear for the examination.
15OB 5.1 (a)	For a pass in a theory subject/drawing, the student shall secure minimum of 35% of the maximum marks prescribed in the University examination and 40% of marks in the aggregate inclusive of the IA marks. i.e. Minimum Passing Grade is "E".
15OB 5.1 (b)	For a pass in a Practical/Internship/Project/Viva-voce examination, a student shall secure a minimum of 40% of the maximum marks prescribed for the University Examination in the relevant Practical/Internship/Project/Viva-voce. i.e. Minimum Passing Grade in a course is "E".
15OB 5.1 (c)	For a pass in Seminar, a student shall secure a minimum of 40% of the maximum marks prescribed. i.e. Minimum Passing Grade is "E".
15OB 5.2	The students who do not satisfy the condition 15OB 5.1 and the student who remains absent shall be deemed to have failed in that subject and may reappear for the University examination in the subsequent examinations. However, the IA marks awarded to the student/s at first attempt in the concerned theory subject will be carried forward. In case of Practical/Internship/Projects/Seminar revised marks will be taken as per regulations 15OB 4.10 (a & b) and 15OB 4.11.
15OB 5.3	The student who passes a course of a semester as per 15OB 5.1 shall

	not be allowed to appear for the same again, unless he/she opts for rejection of results as per 15OB 5.4, 5.5, 5.6, 5.7 & 5.8.
OB 5.4	A student may, at his/her desire, reject his/her total performance of a semester (including IA marks) or he/she may reject the result of his/her performance in University examination of a semester only. The rejection is permitted only once during the entire course of study.
15OB 5.5	The student who desires to reject the performance as per 15OB 5.4 shall reject performance in all the courses of the semester, irrespective of whether the student has passed or failed in any subject. However, the rejection of performance of 8 th semester project result shall not be permitted.
15OB 5.6	A student, who desires to reject the total performance of the semester including Internal Assessment, has to take readmission for the relevant semester. Application for such readmission shall be sent to the Registrar through the Principal of College within 30 days from the date of the announcement of the results. Late submission of application shall not be accepted for any reasons. Readmission to First semester in such cases shall not be considered as fresh admission i.e., the student will continue to have the same University Seat Number, which was allotted earlier. The course duration permitted (as per 15OB 6) will be counted as per old USN.
OB 5.7	The student, who desires to reject only the results of University examination of a semester and does not desire readmission, shall be permitted to re-appear for examinations of all the subjects of the semester in the subsequent examinations. However, the IA marks obtained by the student in the rejected semester shall be retained. Applications for such rejection shall be sent to the Registrar (Evaluation) through the Principal of the College within 30 days from the date of announcement of the results. Late submission of applications shall not be accepted for any reasons. If the rejection of the University examination results of the semester happens to be of the odd semester, the student shall be allowed to take admission to the immediate next even semester. However, if the rejection of the University result is of the even semester, the student shall not be allowed to take admission to the next odd semester (as per 15OB 7.2).
15OB 5.8	Such students who opt for rejection at final year are eligible for the award of class and distinction at the B.E./ B.Tech. degree level, but are not eligible for the award of ranks.
15OB 5.9	A student shall be declared to have completed the program of B.E. / B.Tech., degree, provided the student has undergone the stipulated course work as per the regulations and has earned at least 200 Credits.
15OB 6	MAXIMUM DURATION FOR COURSE COMPLETION
15OB 6.1	A student who has not obtained the eligibility for third semester after a

	period of three academic years from the date of first admission shall discontinue the course. However, the student is eligible for readmission for first year B.E./B.Tech. in respective College of the University and he/ she shall be allotted a University Seat Number (USN) without any change in the year of admission in the USN but the serial number of the student shall start with six hundred (6XX) series in the same branch.
15OB 6.2	The student admitted to 1 st year B.E/ B.Tech. shall complete the course within a period of eight academic years from the date of first admission, failing which he/she has to discontinue the course. The students admitted under lateral entry scheme (2nd Year B.E./B.Tech.) shall complete the course within a period of six academic years from the date of first admission, failing which he/she has to discontinue the course.
15OB 7	PROMOTION AND ELIGIBILITY FOR THE EXAMINATIONS
15OB 7.1	There shall not be any restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement.
15OB 7.2	<p>A student shall be eligible for promotion from an even semester to the next odd semester (i.e. of the next academic year) if the student has not failed in more than four heads of passing of the immediately preceding two semesters and has passed in all the subjects of all the lower semester examinations. A theory or practical shall be treated as a head of passing.</p> <p>Illustrations</p> <ol style="list-style-type: none"> A student seeking eligibility to 3rd semester should not have failed in more than 4 heads of passing of first and second semesters taken together. A student seeking eligibility to 5th semester should have passed in all the subjects of 1st and 2nd semesters and should not have failed in more than 4 heads of passing of third and fourth semesters taken together. A student seeking eligibility to 7th semester should have passed in all the subjects up to 4th semester and should not have failed in more than 4 heads of passing of 5th and 6th semesters taken together. <p>The Subjects:</p> <ol style="list-style-type: none"> Constitution of India, Professional Ethics and Human Rights, and Environmental Studies <p>are Mandatory Non-Credit Courses; these subjects shall not be considered for the Eligibility for promotion, award of Class, calculation of SGPA and CGPA. However, a pass in the above subjects is mandatory before the completion of Degree.</p>
15OB 8	COURSES

15OB 8.1	<p>There will be Four types of courses</p> <p>(i) Core Courses: This is the course which is to be compulsorily studied by a student as a core requirement to complete the requirements of a program in a said discipline of study. These courses will have 4 credits per course.</p> <p>(ii) Foundation Courses: The Foundation Courses are of two kinds: <i>Compulsory Foundation</i> and <i>Elective foundation</i>.</p> <p>“Compulsory Foundation”: These courses are the courses based upon the content that leads to Knowledge enhancement. They are mandatory for all disciplines. These courses will have 4 credits per course.</p> <p>“Foundation Electives”: These are value based courses aimed at man making education. These courses will have 3 credits per course.</p> <p>(iii) Elective Courses: This is course, which can be chosen from the pool of papers. It may be supportive to the discipline/ providing extended scope/enabling an exposure to some other discipline / domain / nurturing student proficiency skills. These courses will have 3 credits per course.</p> <p>(iv) Mandatory Non-Credit Courses: These courses are mandatory for students joining B.E./B.Tech. Program and students have to successfully complete these courses before the completion of degree.</p>
15OB 8.2	The minimum number of students to be registered for an Elective to be offered shall be not less than ten.
15OB 8.3	A student shall exercise his option in respect of the electives and register for the same at the beginning of the concerned semester. The student may be permitted to opt for change of elective subject within 15 days from the date of commencement of the semester as per the calendar of the University.
15OB 9	INTERNSHIP
15OB 9.1	<p>Internship: The student shall undergo an Internship for 8 weeks i.e. starting from the end of 7th semester Examination after availing one week vacation and completing during the initial period of 8th semester.</p> <ol style="list-style-type: none"> 1. The college shall nominate a faculty for a group of students to prepare the students for internship. 2. The students shall report the progress of the internship to the guide in regular intervals and may seek his/her advise. 3. The Internship shall be completed between 7th and 8th semesters. 4. After completion of 7th semester Theory and Practical examinations, the students shall have one week vacation. 5. Immediately after availing one week vacation, the students shall undergo internship (without waiting for the results) which may be a period of 4/5 weeks.

6. The remaining period of internship; i.e. 4/3 weeks shall be completed during the initial period of the 8th semester.
7. After completion of Internship, students shall submit a report to the college with the approval of both internal and external guides.
8. There will be 50 IA and 50 External marks for Internship.
9. The guide shall be the internal examiner and IA marks out of 50 are to be awarded by the internal guide after evaluating the Internship Report submitted by the student.
10. Viva-Voce on internship shall be conducted at the college and the date of Viva-Voce shall be fixed in consultation with the external Guide.
11. Viva-Voce on internship shall be conducted by both internal and external guides and jointly evaluate the internship report for 50 marks. The expenses of external guide are to be borne by the student/college.
12. In case of the non availability of external guide for the conduct of viva-voce, the Principal shall appoint a senior faculty of the department to conduct viva-voce along with the internal guide, and they jointly evaluate the internship report for 50 marks.
13. The students are permitted to carry out the internship outside India with the following conditions:
 - a. The entire expenses are to be borne by the student or college and the University will not give any financial assistance.
 - b. The Internal Guide has to visit at least once during the student's internship; the expenses of the visit are to borne by the student/college.
 - c. The external guide from the industry has to be an examiner for the viva voce on Internship, and the expenses are to be borne by the student/ college.
 - d. The University will not provide any kind of Financial Assistance to any student for internship and for the conduct of Viva-Voce on internship.

15OB9.2	Report on Internship: The College shall facilitate and monitor the student internship program. The internship report of each student shall be submitted to the Head of the Department of the college with the approval of the Guide.																											
15OB9.3	Failing to undergo Internship: Completion of internship is mandatory; if any student fails to complete internship, he/she will not be eligible for the award of degree.																											
15OB9.4	Non-completion of Internship: In such cases, the student has to redo the internship.																											
15OB 10	SEMINAR AND PROJECT																											
15OB 10.1	Seminar topic shall be selected from the emerging technical areas only.																											
15OB 10.2	Project work at 8 th semester shall be completed batch wise, each batch consisting of <u>minimum</u> of two students and <u>maximum</u> four students.																											
15OB 10.3	<i>Viva-voce</i> examination in project work shall be conducted batch-wise.																											
15OB 11	COMPUTATION OF SGPA AND CGPA																											
	<p>i. The VTU adopts absolute grading system wherein the marks are converted to grades, and every semester results will be declared with semester grade point average (SGPA) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated every semester, except the first semester.</p> <p>ii. The grading system is with the following letter grades as given below:</p> <p>Grades and Grade Points</p> <table><tr><th>Level</th><th>Out-standing</th><th>Excellent</th><th>Very Good</th><th>Good</th><th>Above Average</th><th>Average</th><th>Poor</th><th>Fail</th></tr><tr><th>Letter Grade</th><td>O</td><td>S</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td></tr><tr><th>Grade Points</th><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>00</td></tr></table> <p>iii. A student obtaining Grade "F" shall be considered failed and will be required to reappear in the examination.</p> <p>Such students after passing the failed subject in subsequent examination/s will be awarded with "E" grade irrespective of marks he/she scores in the subsequent examination/s.</p> <p>Number of attempts taken to clear a subject/s shall be shown in the transcripts.</p>	Level	Out-standing	Excellent	Very Good	Good	Above Average	Average	Poor	Fail	Letter Grade	O	S	A	B	C	D	E	F	Grade Points	10	9	8	7	6	5	4	00
Level	Out-standing	Excellent	Very Good	Good	Above Average	Average	Poor	Fail																				
Letter Grade	O	S	A	B	C	D	E	F																				
Grade Points	10	9	8	7	6	5	4	00																				

Grade Points Scale

Level	Out-standing	Excellent	Very Good	Good	Above Average	Average	Poor	Fail
Letter Grade	O	S	A	B	C	D	E	F
Grade Points	10	9	8	7	6	5	4	00
Score (Marks) Range (%)	≥ 90	<90	< 80 ≥70	< 70 ≥60	< 60 ≥50	< 50 ≥45	<45 ≥40	< 40

Computation of SGPA and CGPA

The following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- i. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$\text{SGPA (Si)} = \sum(C_i \times G_i) / \sum C_i$$

where C_i is the number of credits of the i^{th} course and G_i is the grade point scored by the student in the i^{th} course.

- ii. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\text{CGPA} = \sum(C_i \times S_i) / \sum C_i$$

where S_i is the SGPA of the i^{th} semester and C_i is the total number of credits in that semester.

- iii. The SGPA and CGPA shall be rounded off to 2 decimal places and reported in the transcripts.

Illustration for Computation of SGPA and CGPA

Computation of SGPA

Illustration No.1

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 1	4	A	8	4x8 = 32
Course 2	4	C	6	4x6 = 24
Course 3	4	B	7	4x7 = 28
Course 4	3	O	10	3x10= 30
Course 5	3	D	4	3x4 = 12
Course 6	3	C	6	3x6 = 18
Course 7	2	S	9	2x9 = 18
Course 8	2	C	6	2x6 = 12
	25			174

Thus, **SGPA= 174/25=6.96**

Illustration No.2

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 1	4	A	8	4x8 = 32
Course 2	4	C	6	4x6 = 24
Course 3	4	B	7	4x7 = 28
Course 4	3	O	10	3x10= 30
Course 5	3	F	0	3x0 = 00
Course 6	3	C	6	3x6 = 18
Course 7	2	S	9	2x9 = 18
Course 8	2	C	6	2x6 = 12
	25			162

Thus, **SGPA= 162/25=6.48**

Illustration No.2(a)

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 5	3	E	4	3x4 =12
	25			Ci (First Attempt)162 + Ci (subsequent attempt) 12= 174

Thus, **SGPA= 174/25=6.96**

Illustration No.3

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 1	4	A	8	4x8 =32
Course 2	4	C	6	4x6 =24

Course 3	4	B	7	4x7 =28
Course 4	3	O	10	3x10=30
Course 5	3	S	9	3x9 =27
Course 6	3	C	6	3x6 =18
Course 7	2	S	9	2x9 =18
Course 8	2	C	6	2x6 =12
	25			189

Thus, **SGPA= 189/25=7.56**

$$CGPA = \frac{25 \times 6.96 + 25 \times 7.56}{50} = 7.26$$

CGPA after Final Semester

Sem. - 1	Sem. - 2	Sem. - 3	Sem. - 4	Sem. - 5	Sem. - 6	Sem. - 7	Sem. - 8
Credit : 24 SGPA:7	Credit:24 SGPA:8.5	Credit : 27 SGPA:9.2	Credit : 27 SGPA:6.86	Credit :24 SGPA:8.18	Credit : 24 SGPA:7.73	Credit : 24 SGPA:8.68	Credit : 26 SGPA:9.4

Thus, **CGPA= $\frac{24 \times 7 + 24 \times 8.5 + 27 \times 9.2 + 27 \times 6.86 + 24 \times 8.18 + 24 \times 7.73 + 24 \times 8.68 + 26 \times 9.4}{200} = 8.2$**

Transcript (Format): Based on the above recommendations on Letter grades, grade points, SGPA and CCPA, the transcript for each semester and a consolidated transcript indicating the performance in all semesters may be issued.

15OB 12

CONVERSION OF GRADES INTO PERCENTAGE:

Conversion formula for the conversion of GPA into Percentage is
[CGPA Earned - 0.75] x 10= Percentage of marks scored.

Illustration: [CGPA Earned 8.2 - 0.75]x 10 = 74.5%

15OB 13

AWARD OF PRIZES, MEDALS & RANKS

15OB 13.1

For the award of Prizes and Medals, the conditions stipulated by the Donor may be considered subject to the provisions of the statutes framed by the University for such awards.

15OB 13.2

For award of ranks in a branch, a minimum of 10 students should have appeared in the 8th semester examination. The total number of ranks awarded shall be 10% of total number of students appeared in 8th semester or 10 students, whichever is less in that branch.

Illustration:

1. If 1028 students appeared for the 8th semester in Electronics and Communication Engineering Branch, the number of ranks to be awarded for Electronics and Communication Engineering will 10.
2. If 90 students appeared for the 8th semester in Biomedical Engineering Branch, the number of ranks to be awarded for Biomedical Engineering will be 09.

15OB
13.3

For award of rank in a branch of Engineering / Technology, the CGPA secured by the student from

- a) 1st to 8th semester for the students admitted to B.E./B.Tech. Program from 1st year, and

	<p>b) 3rd to 8th semester for the students admitted to B.E./B.Tech. Program from 2nd year (Lateral Entry) shall be considered.</p> <p>A student shall be eligible for a rank at the time of award of degree in each branch of Engineering / Technology, provided the student</p> <p>a. Has passed 1st to 8th (students joining from 1st semester) or 3rd to 8th (in case of lateral entry) semester in all the subjects in first attempt only</p> <p>b. Has not repeated/rejected any of the lower semesters.</p>
15OB 13.4	<p>If two students get the same CGPA, the tie should be resolved by considering the number of times a student has obtained higher SGPA; but, if it is not resolved even at this stage, the number of times a student has obtained higher grades like O, S, A, B etc shall be taken into account in rank ordering of the students in a program.</p>
15OB 14	TRANSFER OF STUDENTS
15OB14.1	<p>Transfer of students from one college to another college within Karnataka state shall be permitted only at the beginning of third, fifth, and seventh semesters, subject to availability of seats within the permitted intake in respective Colleges and subject to the prior approval of the University and the provisions of 15OB 7.2.</p> <p>In the case of students from Universities other than VTU the students should have passed in all the courses of 1st & 2nd semesters for admission to 3rd semester and all the courses of 1st to 4th semesters for admission to 5th semester and all the courses of 1st to 6th semesters for admission to 7th semester.</p> <p>The students seeking admission from Universities other than VTU shall have to</p> <p>a. apply for establishment of equivalence with prescribed fees as notified by the VTU and</p> <p>b. Obtain No Objection for admission from the university before commencement of term as notified by VTU.</p>
15OB14.2	<p>Transfer of students within the College from one branch to another branch at 3rd semester shall be permitted with the prior approval of the VTU and subject to the provisions made by the Government of Karnataka and AICTE in this behalf.</p>
15OB14.3	<p>The University may prescribe fee for administrative purpose (for updating of the records), which shall be notified from time to time, for transfer from one college to another (Change of College) or one branch to another branch (change of branch within the college).</p>

NOTE: *These regulations governing the Degree of Bachelor of Engineering/Technology of Visvesvaraya Technological University shall be binding on all and may be modified from time to time.*

SCHEME OF TEACHING AND EXAMINATION 2015-2016

SL. No.	Subject Code	Subject		Teaching Department	Board	Theory /Lab/ Drawing (Hrs/ Week)	PHYSICS GROUP Examination Marks			Credits
							Th./Pr.	I.A.	Total	
1	14MAT11	Engineering Maths-I	BS	Maths	Basic Sc.	4 (T)	80	20	100	4
2	14PHY12	Engineering Physics	BS	Physics	Basic Sc.	4 (T)	80	20	100	4
3	14CIV13	Elements of Civil Engg. & Engineering Mechanics	ES	Civil Engg.	Civil Engg.	4 (T)	80	20	100	4
4	14EME14	Elements of Mechanical Engg.	ES	Mech. Engg.	Mech. Engg.	4 (T)	80	20	100	4
5	14ELE15	Basic Electrical Engg.	ES	E & E	E & E	4 (T)	80	20	100	4
6	14WSL16	Workshop Practice	ES	Mech., Auto, IP, IEM, Mfg. Engg.	Mech. Engg.	3(2 hrs lab+ 1 hr instruction)	80	20	100	2
7	14PHYL17	Engg. Physics Lab	BS	Physics	Basic Sc.	3(2 hrs lab+ 1 hr instruction)	80	20	100	2
8	14CIP18	*Constitution of India & Professional Ethics and Human Rights (CPH)	HS	Humanities		2 (Tutorial)	80	20	100	1
9		Language (Kan.)	Mandatory learning	Humanities		1 (T)	-	-	-	--
						29	640	160	800	25

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-2016

II SEMESTER B.E./B. TECH.

PHYSICS GROUP

Sl. No.	Subject Code	Subject		Teaching Department	Board	Theory /Lab/ Drawing (Hrs/ Week)	Examination Marks			Credits
							Th./Pr.	I.A.	Total	
1	14MAT21	Engineering Maths-I	BS	Maths	Basic Sc.	4 (T)	80	20	100	4
2	14PHY22	Engineering Physics	BS	Physics	Basic Sc.	4 (T)	80	20	100	4
3	14CIV23	Elements of Civil Engg. & Engineering Mechanics	ES	Civil Engg.	Civil Engg.	4 (T)	80	20	100	4
4	14EME24	Elements of Mechanical Engg.	ES	Mech. Engg.	Mech. Engg.	4 (T)	80	20	100	4
5	14ELE25	Basic Electrical Engg.	ES	E & E	E & E	4 (T)	80	20	100	4
6	14WSL26	Workshop Practice	ES	Mech., Auto, IP, IEM, Mfg. Engg.	Mech. Engg.	3(2 hrs lab+ 1 hr instruction)	80	20	100	2
7	14PHYL27	Engg. Physics Lab	BS	Physics	Basic Sc.	3(2 hrs lab+ 1 hr instruction)	80	20	100	2
8	14CIP28	*Constitution of India & Professional Ethics and Human Rights	HS	Humanities		2 (Tutorial)	80	20	100	1
9		Language (Eng.)	MNC	Humanities		1 (T)	-	-	-	--
						29	640	160	800	25

CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-2016

I SEMESTER B.E./B.TECH.

Sl. No.	Subject Code	Subject		Teaching Department	Board	Theory /Lab/ Drawing (Hrs/ Week)	CHEMISTRY GROUP Examination Marks			Credits
							Th./Pr.	I.A.	Total	
1	14MAT11	Engineering Maths-I	BS	Maths	Basic Sc.	4 (T)	80	20	100	4
2	14CHE12	Engineering Chemistry	BS	Chemistry	Basic Sc.	4 (T)	80	20	100	4
3	14PCD13	Programming in C & Data Structures	ES	Any Engineering Department	CSE	4 (T)	80	20	100	4
4	14CED14	Computer Aided Engineering Drawing	ES	Mech./IP/Auto/ Mfg.Engg./ IEM	Mech. Engg.	6 (2I+ 4P)	80	20	100	4
5	14ELN15	Basic Electronics	ES	E & C / E & E / TC / IT	E & C	4 (T)	80	20	100	4
6	14CPL16	Computer Programming Lab	ES	Any Engineering Department	CSE	3(2 hrs lab+ 1 hr Tutorial)	80	20	100	2
7	14CHEL17	Engg. Chemistry Lab	BS	Chemistry	Basic Sci.	3(2 hrs lab+ 1 hr Tutorial)	80	20	100	2
8	14CIV18	*Environmental Studies	ES	Civil / Environmental	Civil	2 (Tutorial)	80	20	100	1
9		Language (Kan.)	MNC	Humanities		1 (T)	-	-	-	--
Total						31	640	160	800	25

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-2016

II SEMESTER B.E./B.TECH.

CHEMISTRY GROUP

Sl. No.	Subject Code	Subject		Teaching Department	Board	Theory /Lab/ Drawing (Hrs/ Week)	Examination Marks			Credits
							Th./Pr.	I.A.	Total	
							80	20	100	4
1	14MAT21	Engineering Maths-I	BS	Maths	Basic Sc.	4 (T)	80	20	100	4
2	14CHE22	Engineering Chemistry	BS	Chemistry	Basic Sc.	4 (T)	80	20	100	4
3	14PCD23	Programming in C & Data Structures	ES	Any Engineering Department	CSE	4 (T)	80	20	100	4
4	14CED24	Computer Aided Engineering Drawing	ES	Mech./IP/Auto/ Mfg.Engg./ IEM	Mech. Engg.	6 (2I+ 4P)	80	20	100	4
5	14ELN25	Basic Electronics	ES	E & C / E & E / TC / IT	E & C	4 (T)	80	20	100	4
6	14CPL26	Computer Program--ming Lab	ES	Any Engineering Department	CSE	3(2 hrs lab+ 1 hr Tutorial)	80	20	100	2
7	14CHEL27	Engg. Chemistry Lab	BS	Chemistry	Basic Sc.	3(2 hrs lab+ 1 hr Tutorial)	80	20	100	2
8	14CIV28	Environmental Studies	HS	Civil / Environmental	Civil	2 (Tutorial)	80	20	100	1
9		Language (Eng.)	MNC	Humanities		1 (T)	-	-	-	--
Total						31	640	160	800	25

Proceedings of the Meeting of Joint Board of Studies held on 11th July 2016 at VTU Regional Office, Bengaluru 11.00 a.m.

The Joint Board of Studies meeting was convened on 11th July 2016 to discuss on the following agenda:

1. *Finalization of III and IV Semester UG Scheme and Syllabus based on CBCS and Bloom's Taxonomy,*
2. *Finalization of PG Scheme and Syllabus based on CBCS and Bloom's Taxonomy,*
3. *Internship Programme for QIP and Part Time Students,*
4. *Internship and Project for the Part Time PG students,*
5. *Adding Electives in Engineering physics suggested by few faculty members.*
6. *Any other matter with the permission of the chair.*

The Registrar, Dr. H.N. Jagannath Reddy formally welcomed Hon'ble Vice-Chancellor Dr. V. Sridhar and Chairmen of newly formed Boards of Studies, also Special invitee Dr. M.S. Shivakumar and requested Hon'ble Vice-Chancellor for further proceedings.

Hon'ble Vice-Chancellor once again welcomed Chairmen of newly formed Boards of Studies and Special invitee Dr. M.S. Shivakumar. Hon'ble Vice-Chancellor addressed regarding feedback received from faculty and other stake holders about revised Schemes and Syllabus to be adopted from 3rd to 8th semesters and PG programmes. The Hon'ble Vice-Chancellor requested Hon'ble members for discussions and deliberations. After detailed deliberations the following resolutions were made.

- UGC introduced CBCS to bring uniformity among all universities but in totality the system works in Autonomous colleges and deemed universities. However, university is adopting the same with certain modifications, in this regard.
- **Regulations governing the CBCS to be reviewed and incorporated.**
- Registration process and dropping of courses are not included in regulations.
- **Committee shall be formed to review regulations governing CBCS.**
- Resolved to adopt letter grades and guidelines as defined by AICTE regarding CBCS.
- No electives at 3rd and 4th semester levels. Electives are offered from 5th semester onwards with open elective concept one each in 5th and 6th semesters.
- 6 Theory and 2 Labs to be introduced in all semesters (UG).

- The Scheme for 3rd and 4th semester UG programme and for PG Programme has been finalized (Annexure I).
- Textile board is permitted to follow the existing course structure.
- Review on CIP and CIV courses and nature of examination conduct may be taken up during next syllabus review during 2019-20.
- Internship exams are to be carried out like practical exams i.e. if examiner is not available from industries, an external examiner may be called from counterpart colleges. Internship to be conducted during vacation period only.
- Part-time and QIP PG programs students have to take up internship during vacation if candidate is from teaching fraternity and if candidate from industry has to carryout work in industry other than where the candidate is working.
- Some weightage shall be given for publications in the M.Tech. Thesis evaluation.
- To download the curriculum of other reputed universities / institutions and refer for framing the curriculum and scheme for higher semesters.

Meeting was concluded with the thanks by the Registrar, Dr. H.N. Jagannatha Reddy also he requested all board chairmen to finalize the Scheme and syllabus within 20th July 2016.

Dean, Faculty of Engineering:

Registrar:

Vice-Chancellor:

Visvesvaraya Technological University, Belagavi

**Proceedings of the Joint Board of Studies meeting held on 19th August 2016 at VTU
Regional Office, Bangalore**

Members Present:

1. Dr. V. Sridhar, Vice Chancellor and the Chairman, JBoS
2. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU
3. Dr. M. S. Shivakumar, Hon'ble Executive Council Member, VTU, Special Invitee
4. Dr. Omprakash S Bawane, Chairman, BOS in Architecture
5. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences
6. Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology
7. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science
8. Dr. Aswath M. U., Chairman, BOS in Civil Engg.
9. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C
10. Dr. B. R. Lakshmikanth, Chairman, BOS in E & E
11. Dr. M. C. Jagath, Chairman, BOS in IPE
12. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering
13. Dr. U. Bhojanna, Chairman, BOS in Business Administration
14. Dr. R. P. Reddy, Chairman, BOS in Mech. Engineering
15. Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology
16. Dr. Vasudev T, Chairman BOS in MCA
17. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology
18. Dr. Keshava Murthy, Special Invitee.

Agenda:

1. Finalization of PG Programme Regulations under CBCS.
2. Finalization of PG Programme syllabus under CBCS.
3. Discussion on scheme to be followed by detained students joining the 3rd semester from conventional system.
4. Discrepancies in M.Tech 3rd Semester Internship Marks under CBCS.
5. Equivalence of UG Courses.
6. Any other matter with permission of the chair.

Minutes of the Meeting:

Dr. H.N. Jagannatha Reddy, Registrar, VTU, formally welcomed Dr. V. Sridhar, Hon'ble Vice-Chancellor and Chairman of Joint Board of Studies, VTU, Special invitees Dr. M.S. Shivakumar & Dr. Keshavamurthy and all the members to the meeting. He also also requested the Hon'ble Vice-Chancellor to Chair and to conduct the proceedings of the meeting.

The Hon'ble Vice-Chancellor on his behalf welcomed the members and briefed about the action taken on the resolutions of the previous JBoS meeting held on 11th July 2016. He requested

- members to deliberate on the agenda and make recommendations. After detailed deliberations the following resolutions were made.

1. Agenda item 1: Finalization of PG Programmes Regulations under CBCS:

The committee reviewed the PG Regulations placed on the table and noted that:

- The procedure for registration and dropping of courses were not specified in the Regulations.
- Evaluation procedure for Internship is to be similar to that of practical exams i.e. if examiner is not available from industries an external examiner may be called from other Colleges.
- As lateral entry admission at 2nd year level of course in UG and MCA programs are permitted, the rank declaration for the courses have to be made by considering the results starting from 2nd year level of the course.

Resolution: Resolved to accept in principle the Common Regulations under Choice Based Credit System for all PG programs as placed on the table. However, the Committee authorized the Special Invitees Dr. M.S. Shivakumar and Dr. Keshavamurthy, to take note of the above observations and recast the CBCS regulations for M.Tech., MCA and MBA inline with the structure of the already approved BE/ B.Tech. Regulations under CBCS system, so that uniformity is maintained across all the PG course Regulations to the extent as far as possible.

2. Agenda item 2: Finalization of PG Programmes syllabus under CBCS:

Resolution: Resolved to approve the Scheme and Syllabus of all M.Tech., MCA and MBA programmes as recommended by the respective Board of Studies.

3. Agenda item 3: Discussion on scheme to be followed by detained students joining the 3rd semester from conventional system:

Resolution: The failed/discontinued students taking readmission/joining the CBCS scheme shall follow the prevailing CBCS scheme and the marks obtained by them in the earlier semesters shall be converted into corresponding letter grades using the present Regulations.

4. Agenda item 4: Discrepancies in M.Tech. 3rd Semester Internship Marks under CBCS:

Resolution: Resolved to make modifications and incorporate the same the Scheme of Teaching and Examination.

5. Agenda item 5: Equivalence of UG Courses:

Resolution: A committee shall be constituted to frame guidelines for declaring equivalence of the UG courses for the purpose of employment and higher studies.

6. Agenda item 6: Any other matter with permission of the chair:

The subjects proposed by the members were discussed and the Committee resolved as follows:

- (a): Because the CBCS scheme is being newly introduced in the University, the Institutions shall take necessary steps to educate the students at regular intervals regarding passing standards and promotion criteria.
- (b): In the BE/B.Tech Courses, a student shall complete the mandatory courses like MATDIP, CIV and CIP before obtaining admission to final year of the course.
- (c): The dissertation reports of UG and PG programs printed on both sides of the sheet shall be accepted by the University. However, for the Ph.D and M.Sc (Engg) thesis the prevailing regulation shall continue.
- (d): Resolved to include the Chairman, Board of Studies, as Co-opted member in the respective Board of Examiners.
- (e): Regional level workshops shall be organized for Faculty to train them for writing effective Course Outcome statements and setting question papers helpful in assessing Program Outcomes as per NBA requirement.
- (f): Regional level workshops shall be organized for Principals, HODs and Senior Faculty to educate them for smooth implementation of CBCS scheme in their respective Institutions.

The meeting concluded with the thanks to the Chair by the Registrar, Dr. H.N. Jagannatha Reddy, and he also requested all the BOS Chairmen to finalize the Scheme and Syllabus for PG programs in the format provided by the University and submit to the University within a week, as PG classes are notified to commence from 1st September 2016.



Registrar

Proceedings of the Joint BoS meeting held on 06th March 2017 at VTU, Belagavi

Members Present:

1. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi.
2. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
3. Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engg., of VTU, Belagavi.
4. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
5. Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi.
6. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
7. Dr. K.B. Prakash in place of Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi.
8. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
9. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi.
10. Dr. B. R. Lakshmikanth, Chairman, BOS in E & E of VTU, Belagavi.
11. Dr. Mallikarjun. S. Holli, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi.
12. Dr. Manjunath in place of Dr.U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi.
13. Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi.
14. Dr. Ramakrishna in place of Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi
15. Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belagavi.
16. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.
17. Dr. Nandakishore, Chairman, BOS in Automobile Engg., of VTU, Belagavi.
18. Prof. Keshava Murthy, Special Invitee.
19. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi
20. Dr. K.R.Mulla in place of Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi
21. Dr. Sateesh Annigeri, Registrar(Evl). VTU, Belagavi

Agenda:

1. Modifications in the Regulation pertaining to allotment of credits.
2. Review of CBCS 2016-17 Regulations
 - i. 16 OB 6.1 (iii),
 - ii. 16 OB 9.1(3)
 - iii. 16 OB 11.3
3. Applicability of Regulations governing B.E/B.Tech under CBCS 2016-17
4. Revision of mandatory subjects like 'Management'
5. Admission to vacant seats of PG Courses
6. NCC as an Elective subject
7. Mobile Development Application as inter disciplinary courses.
8. Revision of Research Methodology for Ph.D. Program
9. Any other matter with the permission of the chair.

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Hon'ble Vice-Chancellor Dr. Karisiddappa, Chairmen of Board of Studies and also Special invitee Prof.. Keshavamurthy, He requested Hon'ble Vice- Chancellor for further proceedings.

Hon'ble Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members The Hon'ble Vice-Chancellor requested members for discussions and deliberations. After detailed deliberations the following resolutions were made.

Agenda -1 : Modifications in the Regulation pertaining to allotment of credits.

Resolution : It is resolved to teach Kannada language and Constitution of India, Professional Ethics and Human Rights during 3rd and 4th semesters with one credit each by adjusting credits of 3rd and 4th Semesters on cycle base concept i.e., 50% of branches of the Institute shall opt Kannada language in 3rd Semester and remaining 50% of branches shall opt Constitution of India, Professional Ethics and Human Rights, vice-versa in 4th Semester respectively. The scheme is enclosed (**Annexure-1**). The same is in effect from 2017-18 batch. Also Kannada language and Constitution of India, Professional Ethics and Human Rights shall be considered for the eligibility criterion prescribed for promotion.

It is also resolved that, Internal Assessment Marks in each theory course shall be the sum of marks prescribed for test and assignment. Marks prescribed for test shall be 15 and that for assignment be 05.

The Internal Assessment marks for test in a theory course shall be based on three tests generally conducted at the end of fifth, tenth and fifteenth week of each semester. Each test shall be conducted for a minimum of 15 marks and the final test marks shall be the average of three tests, proportionally reduced to a maximum of 15 marks.

The remaining 05 marks shall be awarded based on the evaluation of Assignments/Unit tests/Written Quizzes that support to cover some of the course/program outcomes. Final marks awarded shall be the sum of these two out of maximum of 20 marks.

Agenda -2 : Review of CBCS 2016-17 Regulations

i. 16 OB 6.1 (iii),

ii. 16 OB 9.1(3)

iii. 16 OB 11.3

Resolution : i). The regulation 16 OB 6.1 (iii) reads as, *"A student obtaining Grade "F" in a course shall be considered failed and is required to reappear in subsequent SEE. Number of attempts taken to clear a course shall be indicated in the grade cards/ transcripts."*

It is resolved to award the grade secured by the student during his/her reattempt.

ii). The regulation 16 OB 9.1 (2 & 3) reads as,

"A student will be declared successful at the Semester-end or Programme-end only on obtaining each SGPA and CGPA is greater than or equal to 5.00, with none of the courses registered in a Semester/s remaining with "F" Grade."

"In case, the SGPA/ CGPA fall below 5.00, the student shall be permitted to appear again for SEE for required number of course/s (other than seminar and Practical) and times, subject to the provision of 16OB1.5, to make up SGPA greater than or equal to 5.0. The student should reject the SEE results of the previous attempt and obtain written permission from The Registrar (Evaluation) to reappear in the subsequent SEE".

It is resolved to consider passing standard of SGPA/CGPA of 5.00 from the 2016-17 batch, however SGPA/CGPA falling below 5.00 cannot be considered for vertical progression, however candidate shall be declared successful by achieving final CGPA of 5.00.

Also it is resolved that, a student is allowed to reappear for maximum 4 Courses per semester i.e. maximum of 16 credits in case SGPA/CGPA falls below 5.00

iii). The Mandatory non – credit courses for all kind of Lateral Entry students viz., Environmental Studies, Advanced mathematics III and IV , Computer Aided Engineering Drawing and Programming in C and Data structure shall not be considered for the Eligibility criterion prescribed for promotion, award of Class, calculation of SGPA and CGPA. However, a pass in the above courses is mandatory before the completion of Degree.

- Agenda -3** : Applicability of Regulations governing B.E/B.Tech under CBCS 2016-17
- Resolution** : It is resolved that, Regulations governing B.E/B.Tech under CBCS 2016-17 are in effect from 2015-16 batch.
- Agenda -4** : Revision of mandatory subjects like 'Management'.
- Resolution** : Respective Board of Studies authorized to revise the contents as per the needs by considering the proposal given by Sri Sharth Arun on Project Management Methodologies.
- Agenda -5** : Admission to vacant seats of PG Courses
- Resolution** : It is resolved that, seats remaining vacant(unfilled), after the completion of PG admission process by Karnataka Examination Authority, shall be filled by the Institution by inviting applications through Press notification. The seats shall be filled by Candidates preferably who have valid GATE/PGCET score. In the absence of such Candidates, admission shall be based on merit in the entrance test conducted at the Institution level. By constituting an Admissions Committee, consisting of the Principal of the College, Head of the concerned Department and the subject experts.
- Agenda -6** : NCC as an Elective subject
- Resolution** : NCC shall be included as an open Elective subject at 5th semester level. A student can opt this as an elective subject to satisfying the prerequisites. Dr. H.C. Nagaraj, Dean, Faculty of Engineering, VTU, Belagavi is requested to frame the modalities and syllabus as per UGC guidelines.
- Agenda -7** : Mobile Development Application as inter disciplinary courses.
- Resolution** : Mobile Development Application shall be included as an open Elective subject at 6th semester level. Dr. Basavaraj Anami, Chairman BoS in CSE/ISE board is requested for framing syllabus.
- Agenda -8** : Revision of Research Methodology for Ph.D. Program.
- Resolution** : Dr. H.C. Nagaraj, Dean, Faculty of Engineering, VTU, Belagavi, is requested to revise the Research Methodology syllabus for Ph.D. Program.

Table Agenda

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

Table Agenda-1 : Review and Revision of curricula once in three years.

Resolution : It is resolved to write a letter to UGC stating that, Review and Revision of curricula in the University is once in four years and two years for UG and PG Programs respectively as all UG Programs are of 4 years duration and PG of 2years duration.

Table Agenda-2 : Approval of five years integrated degree in Engineering & Technology program leading to Master of Technology (M.Tech.)

Resolution : The matter is deferred.

Table Agenda-3 : Equivalence of UG courses. As per the EC resolutions the courses are considered as equivalent except for teaching career.

Course	Considered Equivalent to	EC Res. No.
Industrial Production Engg.	Mechanical Engg.	9 dt. 4/4/2005
Automobile Engg.	Mechanical Engg.	2.9 dt. 29/5/2006
Transportation Engg.	Civil Engg.	3.2.1 dt. 15/12/2007
Construction Tech. & Mgmt.	Civil Engg.	3.2.3 dt. 6/7/2009
Environmental Engg.	Civil Engg.	3.2.2 dt. 6/7/2009
Information Sc. & Engg.	Computer Science & Engg.	2.2.2 dt. 29/7/2011

Apart from of these the University has also received requests for equivalence for,

1. Electronics & Instrumentation to Electronics & Communication Engg.
2. Instrumentation technology to Electronics & Communication Engg.
3. Tool Engg. (Closed during 2012-13 only two batches) to Mechanical Engg.
4. Information Sc. & Engg. to Information Technology

Resolution : Resolved to consider the request including for teaching career.

Table Agenda-4 : Proposal of inclusion of ITIL (**Information Technology Infrastructure Library**) Processes (for IT branches)

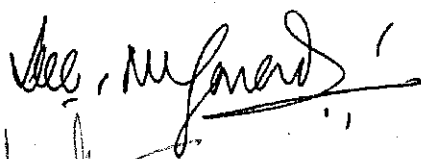
Resolution : Dr. Basavaraj Anami, Chairman BoS in CSE/ISE board is requested to check the details and implementation modalities.

Table Agenda-5 : Age limit for Ph.D./M.Sc. Engg. (By Research) Guide ship.

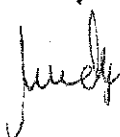
Resolution : Guide ship for Ph.D./M.Sc. Engg. (By Research) shall be allowed up to 65 (70-5) years for the faculty in service.

The Meeting concluded with thanks by the Registrar, Dr. H.N. Jagannatha Reddy, with a request to all board chairmen to finalize the Scheme for UG programs by 13th March 2017.

Dean:



Registrar:



Vice-Chancellor:



Item No.2.2.2	Recommendations of the Joint Board of Studies meeting held on 6-3-2017
	<p>The Chairman stated that the Joint Board of Studies Meetings was called on 6-03-2017 and following agenda items were discussed:</p> <ol style="list-style-type: none"> 1. Modifications in the CBCS Regulations pertaining to allotment of credits 2. Review of CBCS 2017-17 Regulations (i) 16 OB 6.1(iii) (ii) 16 OB 9.1(3) (iii) 16 OB 11.3 3. Applicability of Regulations governing B.E./B.Tech. under CBCS 2016-17 4. Revision of mandatory subjects like 'Management' 5. Admission to vacant seats of PG courses 6. NCC as an Elective subject 7. Mobile Development Application as inter disciplinary courses. 8. Revision of Research Methodology for Ph.D. Program. 9. Any other matter with the permission of the Chair <p>The recommendations of the Joint Board of Studies on the above agenda points are placed before the Executive Council for consideration and approval. The subject was placed before the Academic Senate and the Academic Senate has recommended to approve the recommendations of Joint Board of Studies with certain modifications. The Executive Council approved the same.</p>
	<p>Resolution No.2.2.2 The Executive Council resolved to accept the recommendations of the Academic Senate on the proceedings of JBOS, as under:</p> <ul style="list-style-type: none"> • Members suggested revision in the procedure adopted in conducting IA and award of IA marks which is affecting the career of VTU students as compared to the students of Autonomous colleges. The Chairman assured that it will be taken care at the next revision of syllabus under CBCS. • Academic Senate appreciated the stand taken by the University in filling the vacant seats of PG courses, after the completion of PG Admission Process by KEA • Agenda and resolution No.7 to be read as <i>Mobile Application Development</i> instead of Mobile Development Application. • The Dean has come out with the revised Research Methodology Syllabus for Ph.D. programme which will be common to all the branches of Engineering and Management Studies. The Academic Senate recommended to adopt the same. <p>Further, pertaining to filling the vacant seats of PG Courses after the completion of PG Admission Process by KEA, the Executive Council resolved to write a letter to the Government regarding the procedure being adopted. Further, the Executive Council resolved to add to the CBCS 2016-17 Regulations 16 OB 11.3, that 'the candidate shall pass the required Bridge Courses of the UG Programme before the commencement of 7th semester.' Further, The Executive Council resolved to constitute an Expert Committee to finalise the Regulations governing CBCS, pertaining to Vertical Progression of the student during the course.</p>

Proceedings of the Joint BoS meeting held on 13th

JULY


2017 at VTU, Regional Office, Bengaluru

Members Present:

1. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi.
2. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
3. Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engg., of VTU, Belagavi.
4. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
5. Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi.
6. Dr. C. M. Kalleshappa (officiated for Chairman), BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
7. Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi.
8. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
9. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi.
10. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi.
11. Dr. U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi.
12. Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi.
13. Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi
14. Mr. Dinesh Y N (officiated for Chairman), Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belagavi.
15. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.
16. Dr. Nandakishore, Chairman, BOS in Automobile Engg., of VTU, Belagavi.
17. Prof. Keshava Murthy, Special Invitee.
18. Dr. N. Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi and Chief Librarian, BMS College of Engineering, Bengaluru
19. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi

Agenda:

1. Finalization of Scheme and Syllabus for 5th to 8th semesters.
2. Finalization of Open Electives.
3. Proposal from CL InfoTech for Industry Aligned Program for VTU Students.
4. Eligibility criteria for admission to M.Tech in Master of Engineering Management Program
5. Proposal from GoK for start of Online Courses under SWAYAM MOOCs.
6. Proposal from PG Students for uploading Thesis prior to exams.
7. Preparation of Model Question Papers.
8. Equivalent subjects for students entering into CBCS from Non-CBCS scheme.
9. Review of PG Theory and Internal Assessment marks.
10. Nomenclature of Instrumentation Technology to Electronics & Instrumentation as per AICTE's nomenclature.
11. Any other matter with the permission of the chair.



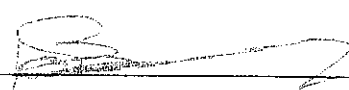
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Minutes of the Meeting:

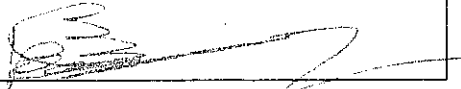
Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Hon'ble Vice-Chancellor Dr. Karisiddappa, Chairmen of Board of Studies and also Special invitee Prof. Keshava Murthy, He requested Hon'ble Vice- Chancellor for further proceedings.

Hon'ble Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members and requested members for discussions and deliberations. After detailed deliberations the following resolutions were made.

Agenda -1	:	Finalization of Scheme and Syllabus for 5th to 8th Semesters.
Resolution	:	<p>The Scheme of 5th to 8th Semesters were approved with the following changes</p> <ul style="list-style-type: none">a) The consolidated list of open elective shall prepared such that student of any branch can opt it.b) The syllabus and title of course for Management and Entrepreneurship at 5th and 6th semester with code 15XX51/15XX61 i.e., shall be changed in line with the respective branches.c) At the 7th Semester level the course code 15XXP78 shall be read as Project Phase-1 + Project Seminar instead of Project Phase-1+ Seminar with duration of 3 hours/ week.d) At the 8th Semester level the seminar under the course code 15XXS86 shall be on topics of current trends in Engineering and Technology.
Agenda -2	:	Finalization of Open Elective
Resolution	:	<p>It was resolved that the open elective shall be offered at the 5th and 6th semester level, and can be offered to all B.E Programmes (Except B.Arch). All the boards of studies have to submit the list open electives to be offered in respect their programme. The consolidated list will be made available to students to opt the open elective. The student is allowed to opt an open elective if and the he/she have not studied or will be studying in the higher semesters courses having similar syllabus up to 80% extent. The students may be advised to select an open elective of their interest if they have pre-requisites knowledge.</p> <p>The colleges shall have a Programme Coordinator and Advisors to help the students in opting the open elective and also the colleges conduct a orientation programme to students on Regulations of the University. It also resolved to submit the 5th & 6th Semester Scheme & Syllabus with open elective on or</p>


24.7.17

		before 20 th July 2017 for feedback and final scheme and syllabus shall be submitted on or before 28 th July 2017.
		The 7 th and 8 th Scheme & Syllabus should be submitted on or before 5 th August 2017.
		It is also resolved to conduct course registration at each semester level.
Agenda -3	:	Proposal from CL InfoTech for Industry Aligned Program for VTU Students
Resolution	:	It is resolved that, the colleges can opt for such Add-on courses at their individual college level.
Agenda -4	:	Eligibility criteria for admission to M.Tech in Master of Engineering Management Program
Resolution	:	It is resolved to consider all the branches B.E/ B.Tech. are eligible for the admission to M.Tech., in Master of Engineering Management Program.
Agenda -5	:	Proposal from GoK for start of Online Courses under SWAYAM MOOCs.
Resolution	:	It is resolved that, the colleges shall encourage students to make use of MOOCs and University will issue the circular w.r.t. to SWAYAM (MOOCs) to the colleges to create awareness of the programme and also they may be advised create facility for the implementation. Pertaining to the credits allocation for these courses will be taken up in the next revision of scheme & syllabus.
Agenda -6	:	Proposal from PG Students for uploading Thesis prior to exams.
Resolution	:	It is resolved that, there shall be uniformity in uploading the thesis of all PG Courses. Hence, it resolved to upload the thesis and to get it valued but the announcement of results will fall in line with the regulation.
Agenda -7	:	Preparation of Model Question Papers.
Resolution	:	It is resolved that, the Boards of various programmes have to submit the three sets of model question papers before 16 th August 2017.
Agenda -8	:	Equivalent Subjects for students entering into CBCS from Non-CBCS Scheme
Resolution	:	It is resolved that, the colleges have to conduct parallel classes for the Non-CBCS students who become eligible for admission to 5 th Semester. It also resolved that the members to provide equivalent subjects of their respective boards for the 3 rd and 4 th semester students, who entre from Non-CBCS Scheme to CBCS Scheme.
Agenda-9	:	Review of PG Theory and Internal Assessment Marks
Resolution	:	Since 'E' is awarded as pass grade with marks ranging from ≥ 40 to ≤ 45 , it is resolved that, the student shall secure minimum 50% of the maximum marks in Internal Assessment Marks and minimum 40% of the maximum marks in Theory with an aggregate of in 42% of CIE and SEE. It is also resolved to redefine the marks range for 'E' grade as ≥ 42 to ≤ 45 for PG programmes only.


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Agenda-10	:	Nomenclature of Instrumentation Technology to Electronics & Instrumentation as per AICTE's nomenclature.
Resolution	:	It is resolved to write a letter to AICTE with respect to the nomenclature of the courses.

Table Agenda

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

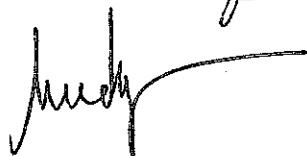
Table Agenda-1	:	Regarding institution of B-Plan course
Resolution	:	It is resolved to retain the syllabus and course code for similar subjects in B.Architecture and B.Plan and also to write a letter to Council of Architecture regarding the institute of B.Plan course in the university and to invite a Industry person as Special Invitee to the Board of Studies.
Table Agenda-2	:	Regarding institution of Aerospace Engineering
Resolution	:	It is resolved to retain the syllabus and course code for similar subjects in Aerospace Engineering, Aeronautical Engineering and Mechanical Engineering.
Table Agenda-3	:	VTU Aerospace Center of Excellence with Dassault Systems
Resolution	:	It is resolved to consider the training program conducted by Dassault Systems under VTU Aerospace Center of Excellence as Internship Program.

The Meeting concluded with vote of thanks by the Chair.

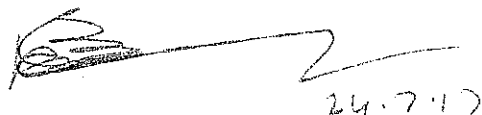
Dean:



Registrar:



Vice-Chancellor:



24.7.17

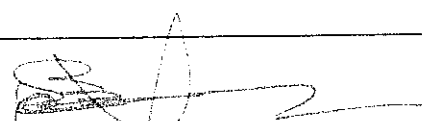
Proceedings of the Joint BoS meeting held on 13th March 2017 at VTU, Regional Office, Bengaluru

Members Present:

1. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi.
2. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
3. Dr. K. Ramachndra, Chairman, BOS in Aeronautical Engg., of VTU, Belagavi.
4. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
5. Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi.
6. Dr. C. M. Kalleshappa (officiated for Chairman), BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
7. Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi.
8. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
9. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi.
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15. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.
16. Dr. Nandakishore, Chairman, BOS in Automobile Engg., of VTU, Belagavi.
17. Prof.Keshava Murthy, Special Invitee.
18. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi

Agenda:

1. Finalization of Scheme and Syllabus for 5th to 8th semesters.
2. Finalization of Open Electives.
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9. Review of PG Theory and Internal Assessment marks.
10. Nomenclature of Instrumentation Technology to Electronics & Instrumentation as per AICTE's nomenclature.
11. Any other matter with the permission of the chair.



24.3.17

Proceedings of the Joint BoS meeting held on 8th September 2017 at VTU, Belagavi

Members Present:

- 1 Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi & Principal, Nitte Meenakshi Inst. of Technology, Bengaluru.
- 2 Prof. Keshava Murthy, Dept. of E & E, Dr. Ambedkar Institute of Technology, Bengaluru.- Special Invitee
- 3 Dr. D.S.Suresh, Principal, Channabasaveshwara Institute of Technology, Gubbi - Special Invitee
- 4 Dr. K.Ramachandra, Chairman, BOS in Aeronautical Engg. of VTU, Belagavi, Retd. Director, GTRE, 600/1, 10th Cross, 7th Block, West Jayanagara, Bengaluru-560082
- 5 Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi & Professor, RV School of Architecture, Bengaluru.
- 6 Dr. Nandkishore, Chairman, BOS in Automobile Engineering of VTU, Belagavi & Professor, Dept. of Automobile, Guru Nanak Dev Engineering College, Bidar.
- 7 Dr. Basavarajappa, (Officiating On behalf of Dr. A.T. Eswar) BOS in Basic Sciences of VTU, Belagavi
- 8 Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi & Professor, Acharya Institute of Technology, Bengaluru.
- 9 Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi & Professor, Dept. of Chemical Engg, Bapuji Institute of Engineering & Technology, Davangere.
- 10 Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi & Professor & Head, Dept. of Civil Engg., Bangalore Institute of Technology, Bengaluru.
- 11 Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi & Principal, KLE Institute of Technology, Hubballi.
- 12 Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi & Principal, JNN College of Engineering, Shivamogga.
- 13 Dr. Shoba R Savanur, Chairman, BOS in E & E of VTU, Belagavi & Professor, Dept. of EEE, BLDEA's VP Dr. PG Halkatti College of Engineering, Vijayapur
- 14 Dr. Mallikarjun. S. Holli, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi & Professor, Dept. of E & IE, University B.D.T. College of Engineering, DAVANGERE.
- 15 Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
- 16 Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi and Chief Librarian, BMS College of Engineering, Bengaluru
- 17 Dr. Anandakumar C. S , (Officiating On behalf of Dr. Dinesh Rangappa)Chairman, BOS in Nano Technology of VTU, Belagavi & Professor, Dept. of Nano Technology, VTU, PG Centre, Muddenahalli.

Agenda:

1. Review of Non-CBCS and CBCS students' grievances
2. Review of B.E./B.Tech. Regulations of 2017-18 pertaining to SEE and CIE Marks
3. Change in course code in the Scheme and Syllabus of 2017-18 admitted batches and onwards
4. Submission of 6th to 8th semester Scheme and Syllabus
5. Constitution of Board under Humanities
6. Any other matter with the permission of the chair

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Hon'ble Vice-Chancellor Dr. Karisiddappa, Chairmen of Board of Studies and also Special invitees. He requested Hon'ble Vice- Chancellor for further proceedings.

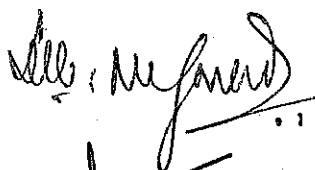
Hon'ble Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members and briefed about the agenda of the meeting and requested for deliberations. After detailed deliberations the following resolutions are made:

Agenda -1	:	Review of Non-CBCS and CBCS student's grievance
Preamble	:	CBCS Scheme is implemented from year 2015-16. The scheme of teaching and Examination is different from Non-CBCS Scheme. As per the data available from the examination section, they are around 5,326 & 19,800 students who are not eligible take admission to 5th & 7th semester respectively. The committee constituted to discuss about continuation of 2010 scheme for 5th semester onwards has proposed to conduct parallel classes.
Resolution	:	In view of the above it is resolved to permit the Non-CBCS scheme students to attend classes to complete the course work and to satisfy the attendance and Internal Assessment criteria as per regulations applicable to them. However, they are not permitted to appear for the university examinations till they become eligible as per the regulations. Also they have to complete the programme as per the OB6.2. The students of Non-CBCS scheme who are to attend exit scheme classes have to execute an affidavit to the effect that they adhere to the decisions of the university.
Agenda -2	:	Review of B.E./B.Tech. Regulations of 2017-18 pertaining to SEE and CIE Marks
Resolution	:	It is resolved to modify the SEE and CIE marks from 80:20 ratio to 60:40 and to incorporate the change into regulations and scheme.
Agenda -3	:	Change in course code in the Scheme and Syllabus of 2017-18 admitted batches and onwards
Resolution	:	It is resolved to change course code from 15XXXXXX to 17XXXXXX retaining the content of each course syllabus of 2015-16 scheme.
Agenda -4	:	Submission of 6th to 8th semester Scheme and Syllabus
Resolution	:	It is resolved to submit the scheme & syllabus of 6 th to 8 th Semester on or before 16 th September 2017 and the university to receive the feedback before 22 nd September 2017. The Final Submission of Scheme & Syllabus to be sent to the university on or before 28 th September 2017. The last date for submission of Scheme & Syllabus 2017-18 admitted batch is 30 th October 2017.
Agenda -5	:	Constitution of Board under Humanities
Resolution	:	It is resolved to constitute the Board in Humanities.

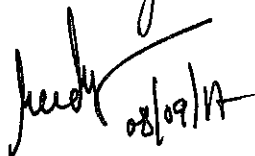
Table Agenda	
With the permission of the chair, the following issues taken up for discussion	
Table Agenda-1	: Proceedings of the committee to discuss continuation of 2010 scheme from 5th Semester onwards.
Resolution	: It is resolved to accept the recommendations of the committee.
Table Agenda-2	: Requisition to Schedule project phases in 6th & 7th Semester of B.E. programme for 2015-16 scheme.
Resolution	: The proposal is not accepted.
Table Agenda-3	: PG Regulations
Resolution	: It is resolved to accept the regulations.
Table Agenda-4	: Question paper printing for 2015-16 and 2017-18 schemes
Resolution	: It is resolved to print separate Question papers for 2015-16 and 2017-18 schemes
Table Agenda-5	: Ambiguity in the B.E./B.Tech. Regulations of 2017-18 with respect to consideration of mandatory non-credit courses for promotion and eligibility
Resolution	: It is resolved that students shall pass in of mandatory non-credit courses for award of degree.

The Meeting concluded with vote of thanks by the Chair.


Dean:

 08/09/17

Registrar:

 08/09/17

Vice-Chancellor:

 8.9.17



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018.

Dr. H. N. Jagannatha Reddy, BE, ME, Ph.D.
REGISTRAR

Phone: (0831) 2405468
Fax : (0831) 2405467

Ref No. VTU/Aca/A12/2017-18/ 11721

Date: 17 MAR 2018

MEETING NOTICE

Sub: Meeting of Joint Board of Studies.

Ref: Hon'ble Vice Chancellor's Approval dtd: 17.03.2018

With reference to the above subject, the Joint Board of Studies Meeting is convened on 27th March 2018 at 11.00 a.m. at Executive Council Meeting Hall 'Jnana Sangama', VTU, Belagavi to discuss on the following Agenda:

AGENDA:

1. Finalisation of 1st year scheme for 2018-19 UG and PG curriculum.
2. Guidelines for framing the regulations for 2018-19 scheme.
3. Introduction of Bachelor of Vocation as per AICTE syllabus and guidelines.
4. Any other matter with permission of the chair.

The Dean, Faculty of Engineering, VTU & Chairmen of all BoS are requested to make it convenient to attend the meeting. TA and Sitting Fee will be borne by the University to the members attending the meeting as per the VTU norms.

Sd/-
REGISTRAR

To,

1. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU, Belagavi & Principal, Nitte Meenakshi Inst. of Technology, Bengaluru.
2. Prof. V.Keshava Murthy, Special Invitee, Dept. of E & E, Dr. Ambedkar Institute of Technology, Bengaluru.
3. Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi
4. Dr. K Ramachandra BOS in Aeronautical Engg. of VTU, Belagavi, Retd Director, GTRE 600/1, 10th Cross, 7th Block, West Jayanagara, Bengaluru-560082
5. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi & Professor, RV School of Architecture, Bengaluru.
6. Dr. Nandkishore, Chairman, BOS in Automobile Engineering of VTU, Belagavi & Professor, Dept. of Automobile, Guru Nanak Dev Engineering College, Bidar.
7. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi & Professor, Dept. of Mathematics, GSSS Institute of Engineering & Technology, Mysuru.
8. Dr. S. M. Gopinath, Chairman, BOS in Bio-Technology of VTU, Belagavi & Professor, Acharya Institute of Technology, Bengaluru.
9. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi & Professor, Dept. of Chemical Engg, Bapuji Institute of Engineering & Technology, Davangere.
10. Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi & Professor & Head, Dept. of Civil Engg., Bangalore Institute of Technology, Bengaluru.
11. Dr. Basavaraj S. Anami, Chairman BoS in CSE/ISE of VTU Belagavi & Principal, KLE Institute of Technology, Hubballi.
12. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi & Principal, JNN College of Engineering, Shivamogga.
13. Dr. Shoba R Savanur, Chairman, BOS in E & E of VTU, Belagavi & Professor, BLDEA'S VP Dr.P G Halkatti College of Engineering, Vijayapur
14. Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi & Dept. of Industrial Engineering & Management, Bangalore Institute of Technology, K.R. Road, V.V. Puram, Bengaluru.
15. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi & Professor, Dept. of E & IE, University B.D.T. College of Engineering, DAVANGERE.
16. Dr. U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi & Professor, RNS Institute of Technology, Bengaluru.
17. Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi & Principal, Global Institute of Technology, Bengaluru.
18. Dr. Muruges Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belgaum & Department of Textile Engineering, Bapuji Institute of Engineering & Technology, Shamnoor Road, Davangere.
19. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi & Professor, Dept. of Computer Applications, Maharaja Institute of Technology, Mysuru.
20. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi & Professor, Dept. of Nano Technology, VTU, PG Centre, Muddenahalli.
21. Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi & Chief Librarian, BMS College of Engineering, Bengaluru.

REGISTRAR

Copy to:

- 1) The Vice-Chancellor, through the secretary to V.C., VTU, Belagavi for information.
 - 2) The Finance Officer, VTU, Belagavi, for information.
 - 3) The Registrar's Office, VTU, Belagavi, for information.
 - 4) The Registrar (Evaluation), VTU, Belagavi, with request to attend the meeting.
 - 5) The Special Officer, Academic Section, VTU, Belagavi for information.
 - 6) The Resident Engineer, VTU, Belagavi to make necessary arrangements for the meeting including hospitality.
- Note: 1. All the Members and Special Invitees are requested to make their own arrangements towards transportation to attend the meeting.
2. All the Members and Special Invitees are requested to produce Onward and Return Journey Tickets/Vouchers for the disbursement of travelling allowances.
3. The TA will be disbursed as per KCSR/Government Circulars and orders only.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

ಟಿಪ್ಪಣಿ ಪುಟ :

ಪುಟ ಸಂಖ್ಯೆ :1.....

ಕಡತದ ಸಂ. :

ದಿನಾಂಕ : 17/03/2018

ವಿಭಾಗ

ವಿಷಯ : JBOS Meeting Items Approval - reg

Academic

Submitted:

It is proposed to conduct the **Joint Board of Studies**

Meeting with the following agenda:

- Finalization of 1st year Scheme for 2018-19 curriculum
- Guidelines for framing the Regulations for 2018-19 scheme.
- Introduction of Bachelor of Vocation as per AICTE Syllabus and guidelines

Hence, it is requested to suggest the date and venue of the meeting of Joint BoS.

For kind orders & directions,

Office Suptd:

for directions 17/3/18

Special officer: For kind directions 17/3/18

Registrar: For kind approval 17/03/18

9 MAR 2018/1
9563

(1) : 65/2018/18. Date 27.3.18 at Belagavi.

**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	:	A. UG Programs								
Resolution		(UG.a) : UG Programs Credits								
(continued)		<table border="1"><tr><th colspan="2">Table.1 Credits for the UG Programs starting from the academic year 2018 - 19</th></tr><tr><th>Programs</th><th>Credits</th></tr><tr><td>B.E/ B.Tech/ Textiles/ Bio Tech/ B. Plan (All 4 years)</td><td>175</td></tr><tr><td>B. Arch (5 years)</td><td>260</td></tr></table>	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
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): <ul style="list-style-type: none">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 1 st 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 <ul style="list-style-type: none">• 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

- 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		(PG.d) : The academic section to issue templates for tentative PG scheme of teaching and examination.																
Resolution		C. Calendar of events for different activities of UG and PG Programs.																
		<table><tr><th colspan="2">Calendar of events</th></tr><tr><th>Particulars</th><th>Last Date/Duration</th></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>	Calendar of events		Particulars	Last Date/Duration	Submission of tentative Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs.	19 th April 2018	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	21 th April 2018 to 30 th April 2018 for Feedback	Mandatory workshop to be conduct on Scheme(2018-19) by each BOS	Between 1 st May 2018 and 20 th May 2018	Submission of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs University(by E-Mail)	23 rd May 2018	Publication of final Scheme of Teaching and Examination, and Syllabus of I and II semesters of UG and PG Programs on University website.	25 th May 2018	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.	Last week of May 2018 or First week of June 2018
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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.	Last week of May 2018 or First week of June 2018																	
Agenda -2	:	Guidelines for framing the regulations for 2018-19 schemes.																
Resolution		<ul style="list-style-type: none">• 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)	<p>b. Amend a clause to VTU statutes in respect of institution of Bachelors of Vocation programme.</p> <p>c. Seek concurrence from Government of Karnataka with respect to institution of Bachelors of Vocation programme, fees structure etc.</p>
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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 IISM 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 IISM 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 05 th April to Registrar, VTU for on word submission to Karnataka Examination Authority, Bengaluru.

The Meeting concluded with thanks by the chair.


Registrar


Vice-Chancellor



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ಟಿಪ್ಪಣಿ ಪುಟ :

ಪುಟ ಸಂಖ್ಯೆ :1.....

ಕಡತದ ಸಂ. :

ದಿನಾಂಕ : 01/02/2018

ವಿಭಾಗ

Academic

ವಿಷಯ : JBOS Meeting Items Approval - reg

Submitted:

It is proposed to conduct the **Joint Board of Studies Meeting** with the following agenda:

- The CBCS scheme for PG programmes was introduced during 2016-17 by revising the curriculum accordingly. Due to reconsideration in the SGPA and CGPA calculations two Regulations are in place for PG programmes that is the students admitted to PG programmes during 2016-17 and 2017 - 18 are governed by the different regulations. However there is no change in the content of syllabus except the course codes. In regular practice the course content will be revised once in two years for PG and once in 4 years for UG programmes. So as the revision in course content is due for PG programmes for 2018-19 and also whether to revise SEE and CIE in the ratio of 60:40 for PG Programmes.
- Review of Model Curriculum for UG Programme Designed by AICTE.
- Review & Implementation of Model Curriculum for PG Programme Designed by AICTE from 2018-19.
- Finalization of 3rd to 8th Semester Syllabus for 2017-18 Scheme
- Regulations and Scheme to be followed for 2016-17 batch students in case of re-admission/Eligibility to first year or higher semester at later stage.
 - a) These Students are governed by 2015-16 regulation and scheme, but currently 2017-18 scheme is in place or first year.

Hence, it is requested to suggest the date and venue of the meeting of Joint BoS.

For kind orders & directions,

Office Suptd:

12/2/18

SO: Submitted for kind directions & orders - *12/2/18*

Registers! For kind approval *12/2/18*
[dt 14/02/18 @ 11 AM at Blue Ro]

VC):

Approved to conduct on 14.2.18 at Blue Ro.
1.2.18



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ

ಟಿಪ್ಪಣಿ ಪುಟ :

ಪುಟ ಸಂಖ್ಯೆ :1.....

ಕಡತದ ಸಂ. :

ದಿನಾಂಕ : 01/02/2018

ವಿಭಾಗ

ವಿಷಯ : ~~Approval for inclusion of some additional names in the organizing committee for JAGRUTI- A Techno-Educative-Mela by VTU at Bengaluru & Hubballi - reg-~~

Academic

~~Permissioin to conduct JBOS. ...~~

Submitted:

It is proposed to conduct the **Joint Board of Studies**

Meeting with the following agenda:

- The CBCS scheme for PG programmes was introduced during 2016-17 by revising the curriculum accordingly. Due to reconsideration in the SGPA and CGPA calculations two Regulations are in place for PG programmes that is the students admitted to PG programmes during 2016-17 and 2017 - 18 are governed by the different regulations. However there is no change in the content of syllabus except the course codes. In regular practice the course content will be revised once in two years for PG and once in 4 years for UG programmes. So as the revision in course content is due for PG programmes for 2018-19 and also whether to revise SEE and CIE in the ratio of 60:40 for PG Programmes.
- Review of Model Curriculum for UG Programme Designed by AICTE.
- Regulations and Scheme to be followed for 2016-17 batch students in case of re-admission/Eligibility to first year or higher semester at later stage.
 - a) These Students are governed by 2015-16 regulation and scheme, but currently 2017-18 scheme is in place or first year.

Hence, it is requested to suggest the date and venue of the meeting of Joint BoS.

For kind orders & directions,

Office Suptd:

12/2/18

Special officer : submitted for kind orders 7/2/18

leg: for kind approval 01/02/18
[dtd 14/02/18 @ 11 AM, Blore Ro]

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

Members Present:

1. Prof.V.Keshava Murthy, Special Invitee, Dept., of E&E, Dr.Ambedkar Institute of Technology, Bengaluru.
2. Dr.D.S.Suresh, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi
3. Prof.Vaman B Gudi, Special Invitee, Professor, Dept., of E&C , Cambridge Institute of Technology, Bengaluru
4. Dr. Omprakash S Bawane, Chairman, BOS in Architecture of VTU, Belagavi.
5. Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engg., of VTU, Belagavi.
6. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences of VTU, Belagavi.
7. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering / Polymer Science of VTU, Belagavi.
8. Dr. Aswath M. U., Chairman, BOS in Civil Engg. of VTU, Belagavi.
9. Dr. Srinivas Rao Kunte, Chairman, BOS in E & C of VTU, Belagavi.
10. Dr. Shobha Savanur, Chairman, BOS in E & E of VTU, Belagavi.
11. Dr. Mallikarjun. S. Holli, Chairman, BoS in Electronics & Instrumentation Engineering of VTU, Belagavi.
12. Dr.U. Bhojanna, Chairman, BOS in Business Administration of VTU, Belagavi.
13. Dr. R. P. Reddy, Chairman, BOS in Mech. Engg. of VTU, Belagavi.
14. Dr. M. C. Jagath, Chairman, BOS in IPE of VTU, Belagavi
15. Dr. Murugesh Babu, Chairman, BOS in Silk/Textile Technology of VTU, Belagavi.
16. Dr. Vasudev T, Chairman BoS in MCA of VTU, Belagavi.
17. Dr. Nandakishore, Chairman, BOS in Automobile Engg., of VTU, Belagavi.
18. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology of VTU, Belagavi
19. Dr.N.Chowdappa, Chairman, BOS in Library & Information Science of VTU, Belagavi
20. Dr. Sateesh Annigeri, Registrar (Evaluation), VTU, Belagavi

Agenda:

1. Revision of PG Syllabus, SEE and CIE Ratio for 2018-19.
2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19.
3. Review of Model Curriculum for UG Programme designed by AICTE.
4. Finalization of 3rd to 8th Semester Syllabus for 2017-18 Scheme.
5. Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/ Eligibility to first year or higher semester.
6. Any other matter with the permission of the chair.

Table Agenda:

1. An Alternate Question Paper Pattern for 2017 Scheme CBCS Batch.
2. Regulations Governing the Degree of Doctor of Philosophy (Ph.D)- Amended-2014.
3. To include Kannada as one of the credit course for B.Arch Programme from academic year 2018-19
4. Number of ranks to be limited to 50% or less for programmes offered in only one Institution.
5. Providing Subject wise University Aggregate Results.
6. Clarification regarding Internship.
7. Formulation of Modalities/Guidelines for UG Internship (2015-16 Scheme).

Minutes of the Meeting:

Dr. H.N. Jagannatha Reddy, Registrar welcomed the Hon'ble Vice-Chancellor Dr. Karisiddappa, Chairman, Joint Board of Studies, all the Chairmen of Board of Studies and also Special invitees Prof. V. Keshava Murthy and Dr. D.S. Suresh. He requested the Hon'ble Vice-Chancellor for further proceedings.

Hon'ble Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members and requested members for active discussions as the agenda items. After detailed deliberations, the following resolutions were made.

Agenda -1 & 2	:	1. Revision of PG Syllabus, SEE and CIE Ratio for 2018-19. 2. Review & Implementation of Model Curriculum for PG Programme designed by AICTE from 2018-19																											
Resolution	:	(a) Recommended to revise the scheme and syllabus of PG programs for the academic year 2018-19 in line with AICTE model curriculum with following recommendations: 1. Marks division for CIE and SEE to be in the ratio 40:60. 2. Programme credits for the award of degree: ➤ M.Tech. - 72 ➤ MBA - 102 ➤ MCA - 125 ➤ M. Arch - To be confirmed by the Chairman, BOS in Architecture in consultation with COA.																											
Agenda -3	:	3. Review of Model Curriculum for UG Programme designed by AICTE.																											
Resolution	:	(a) Recommended to revise the UG BE/B.Tech programme scheme of Teaching and Examination, and Syllabus in line with AICTE model curriculum and proposed to implement the same from the academic year 2018-19 with the following recommendations: 1. Conduct Three weeks mandatory Induction Programme. 2. Prepare the UG BE/B.Tech programme scheme of Teaching and Examination with the following structure: <table border="1"><thead><tr><th>Sl No</th><th>Category</th><th>Prescribed credits</th></tr></thead><tbody><tr><td>1</td><td>Humanities and Social Sciences including Management courses. [Kannada: 01 credit, English: 02 credit, CIPH: 01 credit, Management: 03 credits.]</td><td>07</td></tr><tr><td>2</td><td>Basic Science courses</td><td>25</td></tr><tr><td>3</td><td>Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.,</td><td>24</td></tr><tr><td>4</td><td>Professional core courses</td><td>80</td></tr><tr><td>5</td><td>Professional Elective courses relevant to chosen specialization/branch</td><td>15</td></tr><tr><td>6</td><td>Open subjects – Electives from other technical and /or emerging subjects</td><td>09</td></tr><tr><td>7</td><td>Project work, seminar and internship in industry or elsewhere. [Seminar: 01 credit, Project: 05 credit, Internship: 09 credits]</td><td>15</td></tr><tr><td colspan="2">Total credits</td><td>175</td></tr></tbody></table> 3. Academic Section to provide Templates for tentative scheme of teaching and evaluation as decided in the JBOS. 4. The respective Board of Studies to organize workshop/s regarding proposed AICTE model curriculum and to prepare the model	Sl No	Category	Prescribed credits	1	Humanities and Social Sciences including Management courses. [Kannada: 01 credit, English: 02 credit, CIPH: 01 credit, Management: 03 credits.]	07	2	Basic Science courses	25	3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.,	24	4	Professional core courses	80	5	Professional Elective courses relevant to chosen specialization/branch	15	6	Open subjects – Electives from other technical and /or emerging subjects	09	7	Project work, seminar and internship in industry or elsewhere. [Seminar: 01 credit, Project: 05 credit, Internship: 09 credits]	15	Total credits		175
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		<p>scheme of teaching and examination based on the outcome of the workshop/s.</p> <p>5. It was proposed to conduct one day workshop to all the Chairmen & Members, Board of Studies on AICTE Model Curriculum.</p> <p>6. Call for a meeting of chair persons of Basic Sciences, Humanities, board including the Chairmen of EEE, ECE, Mech and Civil boards for deliberation on the preparation of scheme of Teaching and Examination, and syllabus for 1st year B.E and B.Arch Programmes.</p> <p>7. B. Arch - To be confirmed by the Chairman, BOS in Architecture in consultation with COA. Chairman of B. Arch to propose scheme of Teaching and Examination, and syllabus of both UG and PG consultation with COA.</p>
Agenda -4	:	Finalization of III to VIII Semester Syllabus for 2017-18 Scheme.
Resolution	:	All Chairmen are to submit the final consolidated copy of syllabus only with minor changes in the contents in line with 2015-16 higher semester syllabus on or before 30-03-2018 without fail
Agenda -5	:	Regulations and Scheme to be followed by 2016-17 admitted batch in case of re-admission/ Eligibility to first year or higher semester.
Resolution	:	<p>(a) Recommended to follow the prevailing scheme for UG Programme. However an equivalence regarding scheme of study to be obtained from Chairman of concerned board.</p> <p>(b) Also recommended for PG Programme students who were admitted in 2016-17 and could not attend the higher semester classes during the academic year 2017 -18 and eligible now should attend the classes with 2017-18 scheme batch students. However, these students have to follow 2016-17 scheme of teaching and Examination and not the prevailing scheme of teaching and Examination.</p>
Table Agenda		
Table Agenda-1	:	An Alternate Question Paper Pattern for 2017 Scheme CBCS Batch.
Resolution	:	Resolved to follow the present pattern that is in place.
Table Agenda-2	:	Regulations Governing the Degree of Doctor of Philosophy (Ph.D)- Amended- 2014.
Resolution	:	<p>(a) Issue about the qualifications for Research Supervisor for Ph.D (Architecture) to be referred to Research committee for consideration.</p> <p>(b) Issue about the Ph.D comprehensive viva – voce to be referred to Research committee for consideration.</p>
Table Agenda-3	:	Inclusion of Kannada as one credit course for III semester B. Arch Programme from academic year 2018-19.
Resolution	:	To include Kannada as one of the credit course for B.Arch Programme from academic year 2018-19.
Table Agenda-4	:	Number of ranks to be limited to 50% or less for programme offered in only one Institution.
Resolution	:	To abide by the existing regulations.
Table Agenda-5	:	Providing Subject wise University Aggregate Results

Resolution	:	University to publish Subject wise Aggregate Results so that the institutions can access the same through Principal's login.																					
Table Agenda-6 & 7	:	Clarification regarding Internship. Formulation of Modalities/Guidelines for UG Internship (2015-16 Scheme).																					
Resolution	:	(a) Four week Internship during 6 th and 7 th and/or 7 th and 8 th Semester vacation period. (b) The examination on Internship to be conducted in line with University project viva -voce examinations. (c) Amend (modify) the existing 2015 -16 regulations governing the internship i.e., 15OB.9																					
Table Agenda-7	:	Book Exhibition and Inclusion of one Librarian to BoS Meetings.																					
Resolution	:	(a) To organize Book Exhibition at VTU Regional office, Bengaluru and VTU Campus, Belagavi. (b) To Invite one librarian to BoS Meetings to assist the Board of Studies to assist to select/propose Reference books and Text Books.																					
Table Agenda- 8	:	Action Plan for Implementation of quality initiatives of AICTE including revised curriculum																					
Resolution	:	It is resolved to write a letter to Ministry of Human Resource Development, Department of Higher Education, Government of India regarding the Action Plan Timeline of Implementation of AICTE Model Curriculum the timeline as follows: <table border="1"> <thead> <tr> <th>Sr.No</th><th>Activity</th><th>Time Line</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Inviting Board of Studies Meeting <ul style="list-style-type: none"> Examining existing curriculum Examining AICTE Model curriculum for its suitability Revision of curriculum incorporating model curriculum suggested by AICTE Identifying PEO, PO, CO </td><td>02/02/2018 14/02/2018 16/04/2018 16/04/2018</td></tr> <tr> <td>2</td><td>Formation of Industry Consultation Committee (ICC) <ul style="list-style-type: none"> Examining curriculum for its suitability of Industry demand. Vetting of PEO, PO, CO </td><td>15/03/2018 02/05/2018</td></tr> <tr> <td>3</td><td>Preparation of Training Plans for Teachers</td><td>05/05/2018</td></tr> <tr> <td>4</td><td>Inviting Academic Council Meeting <ul style="list-style-type: none"> Approval of revised (model) curriculum Approval to teachers training plans </td><td>10/05/2018 10/05/2018</td></tr> <tr> <td>5</td><td>Orientation workshop for faculty for implementation of revised curriculum</td><td>15/05/2018 – 20/06/2018</td></tr> <tr> <td>6</td><td>Implementation of curricular retrospectively w.e.f Academic Session 2018-2019</td><td>01/08/2018</td></tr> </tbody> </table>	Sr.No	Activity	Time Line	1.	Inviting Board of Studies Meeting <ul style="list-style-type: none"> Examining existing curriculum Examining AICTE Model curriculum for its suitability Revision of curriculum incorporating model curriculum suggested by AICTE Identifying PEO, PO, CO 	02/02/2018 14/02/2018 16/04/2018 16/04/2018	2	Formation of Industry Consultation Committee (ICC) <ul style="list-style-type: none"> Examining curriculum for its suitability of Industry demand. Vetting of PEO, PO, CO 	15/03/2018 02/05/2018	3	Preparation of Training Plans for Teachers	05/05/2018	4	Inviting Academic Council Meeting <ul style="list-style-type: none"> Approval of revised (model) curriculum Approval to teachers training plans 	10/05/2018 10/05/2018	5	Orientation workshop for faculty for implementation of revised curriculum	15/05/2018 – 20/06/2018	6	Implementation of curricular retrospectively w.e.f Academic Session 2018-2019	01/08/2018
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The Meeting concluded with thanks by the chair.


Registrar


Vice-Chancellor:

2.2 Matters Concerning Board of Studies

Item No. 2.2.5 of the Agenda of the
140th meeting of the Executive Council
to be held on 13th July 2018

Consideration of the Proceedings of the Joint Board of Studies Meeting held on 11-6-2018 at VTU's Regional Office, Bengaluru

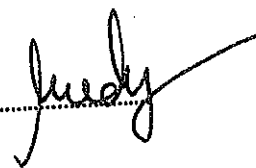
The Joint Board of Studies Meeting was held on 11-6-2018 at VTU's Regional Office, Bengaluru. The Proceedings of the Joint Board of Studies Meeting are placed before the Executive Council for consideration and approval.

The subject is being placed before the Academic Senate and the recommendations of the Academic Senate will be placed on the table.

Resolution No. 2.2.5

The Executive Council resolved to accept the recommendations of the Academic Senate which recommended to approve the Proceedings of the Joint Board of Studies Meeting held on 11-6-2018 at VTU's Regional Office, Bengaluru, as placed in the meeting.

Minutes of the 140th Executive Council Meeting held on 30-6-2018 and adjourned meeting held on 13-7-2018.....



50)

**Proceedings of the meeting of Joint Board of Studies
held on 11th June 2018 at VTU, Regional Office, Bengaluru.**

Members Present:

1. Dr. Karisidappa, Chairman JBOS and Vice chancellor, VTU, Belagavi.
2. Dr. H. N. Jagannatha Reddy, Registrar, VTU, Belagavi.
3. Dr. Satish Annigeri, Registrar (Evaluation), VTU, Belagavi
4. Dr. H. C. Nagaraj, Dean Faculty of Engineering, VTU Belagavi, and Principal, Nitte Meenakshi Institute of Technology, Bengaluru.
5. Prof.V.Keshava Murthy, Academic Advisor, VTU Regional office, Bengaluru.
6. Dr R. Prabhakara, Professor, Emeritus Structural Engineering Division, and Advisor Academic and Admin section, VTU, Belagavi.
7. Dr. A. T. Eswara, Chairman, BOS in Basic Sciences, VTU, Belagavi.
8. Dr. Omprakash S Bawane, Chairman, BOS in Architecture, VTU, Belagavi.
9. Dr. K. Ramachandra, Chairman, BOS in Aeronautical Engineering, VTU, Belagavi.
10. Dr. S. M Gopinath, Chairman BOS In Biotechnology, VTU, Belagavi.
11. Dr. Aswath M. U., Chairman, BOS in Civil Engineering, VTU, Belagavi.
12. Dr. Srinivas Rao Kunte, Chairman, BOS in E and C, VTU, Belagavi.
13. Dr. Shobha Savanur, Chairperson, BOS in E and E, VTU, Belagavi.
14. Dr. Mallikarjun. S. Holi, Chairman, BoS in Electronics and Instrumentation Engineering of VTU, Belagavi.
15. Dr.U. Bhojanna, Chairman, BOS in Business Administration, VTU, Belagavi.
16. Dr. R. P. Reddy, Chairman, BOS in Mech. Engineering, VTU, Belagavi.
17. Dr. M. C. Jagath, Chairman, BOS in IPE, VTU, Belagavi.
18. Dr. Murugesh Babu, Chairman, BOS in Silk and Textile Technology, VTU, Belagavi.
19. Dr. Nandakishore, Chairman, BOS in Automobile Engineering, VTU, Belagavi.
20. Dr. Dinesh Rangappa, Chairman, BOS in Nano Technology, VTU, Belagavi.
21. Dr. N.Chowdappa, Chairman, BOS in Library and Information Science, VTU, Belagavi.
22. Dr. H.S Dayananda, Chairman, BOS Humanities, VTU, Belagavi.

Members Absent

1. Dr. D.S.Suresh, Academic Senate and Executive Committee member, Special Invitee, Principal, Channabasaveshwara Institute of Technology, Gubbi.
2. Dr. C N Chandrappa, Executive Council Member and Special Invitee, VTU, Belagavi.
3. Dr. Gururaj Rao P Desai, Chairman, BOS in Chemical Engineering and Polymer Science, VTU, Belagavi.

Agenda:

1. Finalization of the Scheme for B.E/B.Tech Programme for 2018-19 scheme (as per AICTE Model Curriculum).
2. Finalization of the Scheme for M.Tech/MCA and MBA Programme for 2018-19 scheme (as per AICTE Model Curriculum).
3. To adopt teaching days as 180 in a Year as per UGC.

Table Agenda:

1. Equivalence Courses for Change of Scheme Students.
2. Mention of paper setting Board.
3. M.Sc Physics consideration for Eligibility in M.Tech (Renewable Energy).
4. Any other matter with the permission of the chair

Minutes of the Meeting:

Registrar, Dr. H.N. Jagannatha Reddy, welcomed the Honorable Vice-Chancellor Dr. Karisiddappa, Chairmen of Joint Board of Studies and all the members present. He requested Honorable Vice-Chancellor for further proceedings.

Honorable Vice-Chancellor, Dr. Karisiddappa once again welcomed all the members and briefed on the agenda. Honorable Vice-Chancellor requested members for discussions. After detailed deliberations the following resolutions were made.

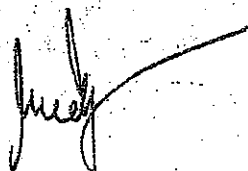
Agenda -1	: Finalization of the Scheme for B.E/B.Tech Programme for 2018-19 scheme (as per AICTE Model Curriculum).
Resolution	: 1. Resolved to incorporate the following to the Scheme of Teaching and Examination of UG programme 2018-19. (a) In order to provide sufficient time for the learners in tutorial classes, it is decided to assign one credit to 2 hour tutorial/week/semester in lieu of earlier decision that one credit to 1 hour tutorial/week/semester. (b) To provide ample opportunity for teaching - learning exercise of two credit English course, the consensus of the Board was to have the course both in I and II semesters instead of limiting it only to II semester. (i) Further, designate the course as Language Laboratory I (English) for I semester and Language Laboratory II (English) for II semester. Each course to carry a credit of one. (ii) Consider the course under practical heading. (iii) Assessment of students in the course to be through CIE only. (c) (i) The III semester course Kannada to be taught as vyavaharika kannada (Communication Kannada) to non-kannada speaking students/ to students who have not studied kannada during schooling and Aadalithathmaka Kannada (Administrative Kannada) to students who can read and write kannada and have studied kannada during schooling. (ii) Consider the course under practical heading. (iii) Assessment of students to be through CIE only. (d) Title of the course Civil Engineering and Mechanics of I / II semester to be modified as Elements of Civil Engineering and Mechanics. (e) Title of the course Computer Programming Laboratory of I / II semester to be modified as C Programming Laboratory. (f) Assessment of students in the VII semester BE/B.Tech course project work Phase -1 to be through CIE only. (2) Four Professional Elective Courses to be assigned to BE/B.Tech programmes; One for VI semester, two for VII semester and one for VIII semester. 3.(i) Two Open Elective Courses to be assigned to BE/B.Tech programmes;

	<p>One each during VI and VII semesters.</p> <p>(ii) Constitute a Committee with Dean, Engineering as Chairman, Chairpersons of Board of Studies and Advisors of VTU as members for finalization of BE/B.Tech Open Electives.</p> <p>4. Board authorized the Vice-Chancellor to finalize the BE/B.Tech Regulations 2018 – 19 and Scheme of Teaching and Examination.</p> <p>5. Board of Studies to submit the Scheme of Teaching and Examination and syllabus pertaining to III to VIII semesters of BE/B.Tech/ B.Arch programmes on or before 30th June 2018.</p>																				
Agenda -2	Finalization of the Scheme for M.Tech, MCA, MBA and MArch Programme for 2018-19 scheme (as per AICTE Model Curriculum).																				
Resolution	<p>(1) Revise the credits of postgraduate programmes to be on par with the credits prescribed for autonomous colleges under VTU from the academic year 2018 -19. The table 1 shows the previous and the revised credits prescribed for the postgraduate programmes.</p> <table border="1" data-bbox="620 638 1315 999"> <caption>Table - I Credits prescribed for different Postgraduate programmes</caption> <tr> <th rowspan="2">Postgraduate programmes</th><th colspan="2">Credits as per the decision of</th></tr> <tr> <th>JBOS held on 27-03-2018</th><th>JBOS held on 11-06-2018</th></tr> <tr> <td>M. Tech.</td><td>72</td><td>88</td></tr> <tr> <td>M. Arch.</td><td>100</td><td>100</td></tr> <tr> <td>M.B.A.</td><td>102</td><td>100</td></tr> <tr> <td>M.C.A.</td><td>125</td><td>132</td></tr> <tr> <td>MCA (Lateral Entry)</td><td>--</td><td>88</td></tr> </table> <p>(2) Marks for evaluation of each course to be 100; SEE and CIE to be in the ratio 60:40.</p> <p>(3) Evaluation of Technical seminar and Project work phase 1 to be through CIE only.</p> <p>(i) The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25.</p> <p>(ii) The CIE marks awarded for project work phase -I, shall be based on the evaluation of Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25.</p> <p>(4) Recent two year MCA Programme sanctioned by AICTE, is to be reckoned as II and III years of the three year MCA programme for which BCA/B S.c Graduates are only eligible under lateral entry scheme.</p>	Postgraduate programmes	Credits as per the decision of		JBOS held on 27-03-2018	JBOS held on 11-06-2018	M. Tech.	72	88	M. Arch.	100	100	M.B.A.	102	100	M.C.A.	125	132	MCA (Lateral Entry)	--	88
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MCA (Lateral Entry)	--	88																			
Agenda -3	To adopt teaching days as 180 in a Year as per UGC.																				
Resolution	Resolved to adopt 180 or more teaching days in an academic Calendar as per UGC norms and to have at least 90 teaching days per semester.																				

Table Agenda	
Table Agenda-1	: Equivalence courses for students who change the Scheme.
Resolution	: Students who change the scheme of study because of various reasons have to get admitted to the prevailing scheme and follow the norms pertaining to it. Such students may have to complete additional subjects, if any, when the equivalence between the two schemes is decided by the concerned Board of Studies along with the number of credits to be earned after completing all the remaining semesters as a regular student in the prevailing scheme.
Table Agenda-2	: Mention of paper setting Board.
Resolution	: Specific paper setting Board of examiners (BOE) be mentioned against each science Course instead of the generic term Basic Sciences in the BE/B.Tech scheme of Teaching and Examination. Illustration: (i) Engineering Physics: Paper setting Board - BOE in Physics. (ii) Engineering Chemistry: Paper setting Board - BOE in Chemistry. (iii) Mathematics papers: Paper setting Board - BOE in Mathematics.
Table Agenda-3	: Approval of M.Sc Physics degree for Eligibility to M.Tech (Renewable Energy).
Resolution	: After the deliberations, M.Sc Physics degree, as per MNRE, Government of India, is approved to be eligible to M.Tech (Renewable Energy) programme.
Issues with the permission of the chair	
Issue-I	: Change of nomenclature of programme (course, according to AICTE Approval Process Handbook 2018 -19) Instrumentation Technology (IT) to Electronics and Instrumentation Engineering (EI)
Resolution	: Address a letter to KEA - CET cell to change the branch name of Instrumentation Technology (page 14)/ Instrumentation Technology (IT) (page 21) to Electronics and Instrumentation Engineering (EI) in the PGCET - 2018 - Information Bulletin.

The Meeting concluded with thanks by the chair.

Registrar



Vice-Chancellor:



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State.

Prof. Satish Annigeri Ph.D.
I/c. Registrar

Phone : (0831) 2405468
Fax : (0831) 2405467

No.: VTU/BGM/DPAR/CR(2)/03/2017-18/1134

Date: **23 JUL 2019**

: Official Memorandum:

Sub: Proceedings of the meeting to discuss about the academic matters and office procedures – Reg...

Ref:1. Meeting Notice No. VTU/PS/2019-20/2178 dated:02-07-2019

2. Proceedings of the meeting dated:04-07-2019

With reference to the above subject and under reference (1) and (2), please find herewith the copy of the proceedings of the meeting held on 04-07-2019 to discuss about the academic matters and office procedures for further needful process.

Encl: Copy of the Proceedings

Annigeri
I/c. REGISTRAR

Copy for information to:

1. The Secretary to The Hon'ble Vice Chancellor, VTU, Belagavi.
2. The P. S. to The Registrar, VTU, Belagavi
3. The Registrar (Evaluation), VTU, Belagavi
4. The Finance Officer, VTU, Belagavi
5. The Resident Engineer, Engineering Section, VTU, Belagavi for information and necessary action.
6. The I/c. Regional Director, VTU's Regional Office, Belagavi, Bengaluru, Mysuru and Kalaburagi.
- ✓ 7. The Director, IQAC Cell, VTU, Belagavi for information and necessary action.
- ✓ 8. The Coordinator, National Assessment and Accreditation Council (NAAC) Cell, VTU, Belagavi.
9. The Concerned Chairperson/s and the Program Coordinator/s of the Department for information and necessary action.
10. The Coordinator, VTU's PG Centre, Belagavi, Kalaburagi, Muddenahalli and Mysuru.
11. The Special Officer Academic Section, VTU, Belagavi
12. The Special Officer, Ph.D. Section, VTU, Belagavi
13. The Special Officer, VTU-RRC, Belagavi
14. The Librarian, VTU, Belagavi
15. The Stores and Purchase Officer, SAP, VTU, Belagavi
16. The Director (I/c), Information Technology Infrastructure and Services Management Unit (ITISMU), VTU, Belagavi
17. Office Copy.

O/N 24 July 2019

I. N. D. 21. dt: 24/7/2019

Annigeri
File the document
24/07/19.

PROCEEDINGS OF THE MEETING TO DISCUSS ABOUT THE ACADEMIC MATTERS AND OFFICE PROCEDURE FOR PG DEPARTMENTS HELD ON 04th JULY, 2019 AT 11.00 A.M. @ VC'S CONFERENCE HALL, VTU, BELAGAVI WITH THE FOLLOWING ATTENDANCE .

Ref: Meeting Notice No. VTU/PS/2019-20/2178 dated:02-07-2019

Members Present

Sl.	Name and Designation	
1	Dr. Karisiddappa Hon'ble Vice Chancellor, VTU, Belagavi	Chairman
2	Prof. Satish Annigeri Registrar (Eval) & Registrar (I/c.), VTU, Belagavi	Member
3	Smt. M. A. Sapna Finance Officer, VTU, Belagavi	Member
4	Dr. Anand Veerappa Shivapur Chairperson, Dept of Civil Engineering	Member
5	Dr. Ravindra Rachappa Malagi Chairperson, Dept of Mechanical Engineering	Member
6	Dr. T. C. Thanuja Chairperson, Dept of Electronics and Communication Engineering	Member
7	Dr. Shanmukappa A. Angadi Chairperson, Dept of Computer Science Engineering	Member
8	Dr. S. R. Bharamanaikar Chairperson, Dept of Management Studies	Member
9	Dr. N. Chikkanna Chairperson , Department of Aerospace Engineering	Member
10	Sri. Brijbhushan S. Program Coordinator, Dept of Civil Engineering	Member
11	Dr. Venkatesh M. Kulkarni Program Coordinator, Dept of Mechanical Engineering	Member
12	Dr. R. Suresh Program Coordinator, Dept of Mechanical Engineering	Member
13	Dr. G. S. Venkatesh Program Coordinator, Dept of Mechanical Engineering	Member
14	Dr. Sarika Shankarao Tale Program Coordinator, Electronics and Communication Engineering	Member
15	Dr. Shubhangi Digamber Chikte Program Coordinator, Dept of CSE and Dept of ECE	Member
16	Dr. K. Thippeswamy Program Coordinator, Dept of CSE and Dept of ECE	Member
17	Dr. Shivamurthy G. Program Coordinator, Dept of Computer Science Engineering	Member
18	Dr. B. Shambhu Lingappa Program Coordinator, Dept of Management Studies	Member
19	Dr. T. P. Renukamurthy Program Coordinator, Dept of Management Studies	Member
20	Dr. Pankajakshi R. Program Coordinator, Dept of Management Studies	Member
21	Dr. Dinesh Rangappa Program Coordinator , Department of Applied Sciences (Nano Tech)	Member
22	Sri. Hemanthkumar Resident Engineer, DPAR, VTU, Belagavi	Member
23	Sri. Shravan B. K. Special Officer, DPAR, VTU, Belagavi	Member

Members Absent

Sl.	Name and Designation	
1	Dr. Keerthi Gowda B.S. Program Coordinator, Dept of Civil Engineering	Member

Preamble:

VTU has created Program wise Departments in its PG Centres and nominated Chairpersons at VTU Headquarters and Program Coordinators at different PG Centres. In Order to discuss Academic and Administrative issues relating to PG Centres, this meeting has been convened under the Chairmanship of Hon'ble Vice-Chancellor.

Proceedings:

The Registrar welcomed the Chairman and members and briefed about the agenda of the meeting and requested the Hon'ble Vice-Chancellor to carry out the proceedings. Hon'ble Vice-Chancellor addressed the Chairpersons and Program Coordinators with the following directions:

a) Academic & Administrative related matters.

1. The earlier PG Centres are decentralized and PG Departments are created.
2. The Departments are given autonomy in Administration and Academic matters.
3. The Chairpersons of the Departments will act as Heads of respective departments and will directly report to the Registrar
4. All Departments are established in Headquarters except Department of Aerospace Propulsion Technology (which is established in VTU's PG Centre, Muddenahalli) and Chairpersons will head the departments
5. Program Coordinators will act as heads of respective departments at respective PG Centres and will report to the respective Chairpersons in all matters.
6. The Chairpersons and Program Coordinators posts will be treated as Non-Vacation posts and relevant leave benefits as per rules are applicable to them.
7. Chairpersons and Program Coordinators are responsible for :
 - a. Maintaining disciplined administration in the department
 - b. Maintaining Academics of the department like Regular class monitoring, IA tests, Seminars, attendance of staff and students etc.
 - c. Maintaining all the administrative and Academic records.
 - d. admissions to their departments
8. Tenure of Chairpersons and Program Coordinator will be for two years on rotation basis.
9. Chairpersons are authorized to grant Casual leave up to 5 days. If it is more than 5 days the application must be approved by the Registrar. The staff should get prior approval for leave. In case of emergencies like accident, ill health natural calamities etc., telephonic request may be approved. The department has to maintain all attendance records properly for audit purpose.
10. The Program Coordinators are authorized to grant Casual leave up to 3 days. If it is more than 3 days and up to 5 days, the application must be approved by the concerned Chairperson. If it is more than 5 days the application must be approved by the Registrar. The staff should get prior approval for leave. In case of emergencies like accident, ill health natural calamities etc., telephonic request may be approved. The department has to maintain all attendance records properly for audit purpose.

11. All SCL/OODs upto 3days can be approved by the Chairpersons and if it is more than 3 days the same shall be submitted to Registrar for approval. In any case SCL/OODs must not exceed 30 days in a year. The department has to maintain all relevant records properly for audit purpose.
12. The Chairpersons and Program Coordinators are availing leave or OOD/SCL, they shall give incharge to next senior faculty of the department.
13. The Chairpersons and Program Coordinators shall maintain two attendance registers in the department one for teaching and one for non-teaching staff members.
14. The Office timings are 9.00 a.m. to 4.30 p.m. on weekdays and on Saturday the timings are 9.00 a.m. to 1.30 p.m. and are applicable to both teaching and non teaching staff members.
15. The Office timings for Muddenahalli campus is 9.00 a.m. to 4.00 p.m. on weekdays and on Saturday the timings are 9.00 a.m. to 1.00 p.m. and is applicable to both teaching and non teaching staff members.
16. Each department should have biometric attendance. Staff should submit their biometric attendance between 9.00 a.m. to 9.15 a.m. in the morning, between 4.30 p.m. to 5.00 p.m. in the evening and afternoon between 2.00 p.m. to 2.15 p.m. (with respect to PG Centre, Muddenahalli between 9.00 a.m. to 9.15 a.m. in the morning, between 4.00 p.m. to 4.30 p.m. in the evening and afternoon between 1.00 p.m. to 1.15 p.m).
17. Responsibility of maintaining the attendance is with Chairpersons and Program Coordinator
18. The Chairpersons shall call council meetings as per statutes and as and when required. Chairpersons shall call meeting of Program Coordinators at least twice in a Academic year.
19. The Chairpersons shall issue calendar of events including vacation for their departments, based on the University calendar of events and the same should be strictly adhered to.
20. Each department will be provided with required clerical/ technical staff.
21. The Seniority list will be provided to each department.
22. The Chairperson shall make alternative arrangements when a faculty / staff is on leave, so the students should be engaged with classes.
23. Chairpersons and Program Coordinator are responsible for upliftment of teaching learning quality at their department
24. The Chairpersons and Program Coordinators shall be responsible for assisting and mentoring students and should act like a guardian to students.
25. Each department should have, Departmental Library and Research Centre.
26. All the departments must cooperate with NAAC coordinator and make all the efforts for getting NAAC approval to the University.
27. All the departments can conduct FDPs , Workshops etc.,
28. Chairpersons shall identify Professor Emeritus for their department with a prior approval of the Hon'ble Vice Chancellor.

29. Guest faculty requirement (if any) and identified faculty list is to be submitted to the Registrar.

b) Finance related matters.

1. Chairpersons shall submit the budget of their department to the Finance Officer through the Registrar
2. All the financial matters of the departments are to be well planed and for any lapses, the Chairpersons are held responsible.
3. The PG Coordinators account to be closed after reconciliation and each department should have separate account.
4. Ledger, Cash books, assets and Liabilities are to be maintained by the concerned Chairpersons and Program Coordinators.
5. While submitting any procurement requirement, the Chairpersons must submit the estimated cost supported with market analysis and required specifications.
6. Finance Officer is requested to issue a guidelines/circular related to financial matters.

c) Research related matters

1. The concept of Research Resource Centre is removed; each department is a research centre.
2. Full time Research scholars working under VTU Faculty will be given fellowship under "Jnanayana" as per the guidelines.
3. Chairpersons are the heads of research centres.
4. Research funds will be allocated to all the Departments based on their request.
5. Part time research scholars will be under the department.

d) Examination related matters.

1. The Responsibilities of Conducting Examinations and related activates shall be handled by one department for one academic year on rotation. The allotment will be done by the Registrar (Evaluation).

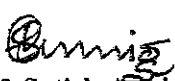
e) Building related and Other issues


1. The Responsibilities of the Hostel warden and Assistant warden and related activates shall be handled by one department for one academic year on rotation basis similar to the Examination. The allotment will be done by the concerned department Chairperson.
2. Consumable shall be taken from the stores and purchase department as per procedure
3. Each department should have required Office facilities and Chairpersons shall contact Resident Engineer for the same.
4. The Estate office shall be established at PG Centre Muddenhalli

The recommendations shall be implemented with immediate effect by directing concerned sections to issue related orders.

The Meeting concluded with vote of thanks.

Place : Belagavi
Date : 04-07-2019


Prof. Satish Annigeri
Registrar (I/c.), VTU and
Member of the Committee


Dr. Karisiddappa
Hon'ble Vice Chancellor, VTU and
Chairman of the Committee