

**Regulations Governing the Degree of
Bachelor of Engineering/Technology Courses of
Visveswaraiah Technological University, Belgaum**

OB 1 TITLE AND DURATION OF THE COURSE

- OB 1.1** The course shall be called the degree course in Bachelor of Engineering/Technology, abbreviated as B.E./B.Tech.
- OB 1.2** The course shall be of 4 academic years duration and conducted in 8 semesters and each semester having a duration of 16 weeks.
- OB 1.3** The calendar of events in respect of the course shall be fixed by the University from time to time.
- OB 1.4** The examination in all the subjects shall be conducted at the end of each semester for the 8 semesters except when there are no candidates taking examination for any subjects.

OB 2 ADMISSIONS AND ELIGIBILITY

- OB 2.1** To be eligible for admission to the first year of the course the students shall have passed the two year Pre-University examination (Science) conducted by the Karnataka State Pre-University Board,
OR
Pass in all subjects of Final examination of the 10+2 years course of the Central Board of Secondary Education (CBSE) with Physics, Chemistry & Mathematics as optional subjects and English as a subject a of study,
OR
Any other examinations recognised by the University as equivalent thereto.
AND
- OB 2.2** The candidate shall have secured a minimum of 50% of marks in the aggregate in Physics, Chemistry and Mathematics of second year Pre-University Examination, or in the public examination at the end of 12 years of equivalent course.

OB 2.3 (a) Holders of three years Diploma awarded by the Board of Technical Education, Government of Karnataka, or any other diploma qualification considered equivalent thereto having a minimum of 50% marks in the final examination of 3 years of Diploma Exams.

OB 2.3 (b) Holder of the three years' Diploma granted/awarded by the Board of Technical Education, Government of Karnataka, or of any other Diploma qualification considered equivalent thereto is eligible only through CET allotment for admission to III semester/II Year of B.E./B.Tech., in appropriate branch of Engineering/Technology. Such a candidate shall have to clear prescribed bridge courses. The minimum qualifying marks for admission will be 50% in final examination of the 3 year Diploma course.

OB 2.4 Candidates belonging to Scheduled Castes, Scheduled Tribes and Group I shall be considered eligible for admission if they have passed the qualifying examinations obtaining not less than 40% of marks in aggregate in Physics, Chemistry and Mathematics.

OB 2.5 Those candidates who have passed a qualifying examination other than the PUC II examination of the of the Pre-University Education Board of Karnataka, or Engineering Diploma Examinations of the Board of Technical education of Karnataka, have to obtain eligibility certificate for seeking admission to B.E./B.Tech. degree course from Visveswaraiah Technological University, Belgaum, or from the Principal of concerned Engineering college of Karnataka State.

OB 3 ATTENDANCE REQUIREMENT

OB 3.1 Applicable to all candidates undergoing the prescribed course of study in a college affiliated to Visveswaraiah Technological University, Belgaum

OB 3.2 Each semester is considered as a unit and the candidate has to put in a minimum attendance of 85% in each subject with a provision of condonation of 10% of the attendance by the

Vice Chancellor on the specific recommendation of the Principal on the reasons such as medical grounds, University level sports and cultural activities, academic matters such as seminars, workshops and paper presentation.

OB 3.3 The basis for the calculation of the attendance shall be the period prescribed by the University by its calendar of events. As for the first semester students, the same is reckoned from the date of admission to the course as per CET allotment.

OB 3.4 The students shall be informed about their attendance position 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) and a copy to the Registrar(Academic).

OB 4 INTERNAL ASSESSMENT MARKS

OB 4.1 Each subject of theory or practical shall have a maximum Internal Assessment Marks of 25.

OB 4.2 The Internal Assessment marks in a theory subject shall be based on two tests conducted normally at the end of 8 and 12 weeks of each semester. An additional test may conducted for desirous students before the end of the semester to give an opportunity to such students to improve their internal assessment marks. 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 till 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(Academic).

OB 4.3 Average of the better marks obtained from any two tests shall be the Internal Assessment Marks for the relevant subject.

OB 4.4 If a candidate remains absent for all the tests conducted, the Internal Assessment marks shall be marked as **A** for the subject against the University Seat Number (USN) of the candidate in the

marks sheet submitted to the University by the Principal of the college.

OB 4.5 In the case of Practical, the IA marks shall be based on the laboratory journals/reports and one practical test.

OB 4.6 The IA marks for Engineering Graphics/other Drawings/Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 60:40.

OB 4.7 (a) *(Applicable to the candidates admitted during 2001-2002 and earlier)*

The Internal Assessment marks in the case of Project Work I, shall be based on the evaluation as per the guidelines at the end of the 6th semester by a committee consisting of Head of the concerned department, two senior teachers of the department, one of them may be the internal guide.

The Internal Assessment marks in case of Project Work II/ Industrial Training (wherever applicable) and seminar shall be based on the evaluation as per the guidelines at the end of 8th semester by a committee consisting of Head of the concerned department, two senior teachers of the department (in case of Project Work, one of them may be the internal guide).

The I.A. marks sheet shall bear the signature of all these concerned, along with the date and of the Principal.

OB 4.7 (b) *(Applicable to the candidates admitted during 2002-2003 and later)*

The IA marks in the case of Project and seminar in the final year shall be based on the evaluation at the end of 8th semester by a committee consisting of Head of the concerned Department and two senior faculty of the department (one of them being the project / seminar guide).

OB 4.8 The final list, incorporating corrections (if any) of IA marks awarded to the students in the theory / Practicals / Project work / Seminar, shall be displayed on the notice board of the College at least seven days before the closer of the semester and a certified

copy of the same shall be sent to the University Examination Section within the stipulated date, by the Principals, without fail. The IA marks sheets shall bear the signature of the concerned teacher/ teachers, Head of the department and Principal.

OB 4.9 Any corrections or over writing of IA marks shall bear the signature of concerned teacher(s) and in such cases the Head of the Department shall indicate the number of corrections with his signature on each page.

OB 4.10 (a) If a candidate fails to secure minimum of 50% of the IA marks (12/25) in Practicals, 50% of marks in Project Work, such a candidate shall not be eligible to take the corresponding subjects in the University examination.

OB 4.10 (b) For Seminars, there shall be a minimum requirement of IA marks (40% of the maximum).

OB 4.11 Such candidates as mentioned in 4.10, shall repeat the laboratory work/project work during the subsequent semester(s) and secure at least the minimum marks prescribed.

OB 4.12 For theory subjects, there shall not be any minimum requirements of IA marks

OB 4.13 There shall be no provision for improvement of IA marks in theory subjects and also in cases of Laboratory/workshop/seminar where the candidate has already secured minimum required marks.

OB 4.14 IA marks of those candidates to whom OB 4.11 applies, shall be sent separately to the Registrar (Evaluation).

OB 4.15 IA marks shall reach the University before the commencement of examination. After the submission of Internal Assessment marks to the University, any request for change of IA marks shall not be considered under any circumstances

OB 5 ELIGIBILITY FOR PASSING

OB 5.1 (a) For a pass in a theory subject/drawing, a candidate shall secure minimum of 35% of the maximum marks prescribed

for the theory subject/drawing in the University examination provided he/she secures 40% of marks in the aggregate inclusive of the IA marks.

OB 5.1 (b) For a pass in a practical/project/viva-voce examination, a candidate shall secure a minimum of 40% of the maximum marks prescribed for the University Examination in the relevant practical/project/viva-voce.

OB 5.1 (c) For a pass in Seminar, a candidate shall secure a minimum of 40% of the maximum marks prescribed.

OB 5.2 The candidates who do not satisfy the condition of OB 5.1 shall be deemed to have failed in that subject and may reappear for the University examination in the subsequent examinations in that subject. However, the IA marks awarded to the candidate/s at first attempt in the concerned theory subject will be carried forward. In case of practicals/projects/seminar revised marks will be taken as per regulations OB 4.10 (a & b) and 4.11.

OB 5.3 The candidate who passes a subject of a semester as per OB 5.1 is not allowed to appear for the same again, unless he/she opts for rejection of results as per the OB 5.4, 5.5, 5.6, 5.7 & 5.8.

OB 5.4 If a candidate so desires, there shall be provision for rejection of total performance of a semester (including IA marks) or rejection of results of performance in University examination of a semester only. But rejection is permitted only once during the entire course of study.

OB 5.5 The candidate who desires to reject the performance as per OB 5.4 shall reject performance in all the subjects of the semester, irrespective of whether the candidate has passed or failed in any subject.

OB 5.6 A candidate 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 (Academic), through the Principal of the 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 I semester in such cases will not be considered as fresh admission i.e., the candidate will continue to have the same University Seat Number, which was allotted earlier.

OB 5.7 The candidate, who desires to reject only the results of University examination of a semester and does not desire readmission will 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 candidate 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 thirty days from the date of announcement of results. Late submission of applications shall not be accepted for any reason.

If the rejection of the University examination results of the semester happens to be of an odd semester, the candidate can take admission to the immediate next even semester. However, if the rejection of the University is of even semester, the candidate cannot take admission to the next odd semester.

OB 5.8 Such candidates who opt for rejection at final year are eligible for award of class and distinction at the B.E./B.Tech. degree level, but not eligible for award of ranks.

OB 5.9 A candidate shall be declared to have completed the course of B.E./B.Tech. degree, provided the candidate has undergone the stipulated course work in all 8 semesters as per the regulations.

OB 6 NOT FIT FOR TECHNICAL COURSE (NFTC), NUMBER OF ATTEMPTS TO BE PERMITTED

OB 6.1 A candidate 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 candidate is eligible for readmission for first year B.E./B.Tech. in respective college of the University with a new University Seat Number.

- OB 6.2** *The candidate 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.*

OB 7 PROMOTION AND ELIGIBILITY FOR THE EXAMINATIONS

- OB 7.1** There shall not be any restriction for promotion from odd semester to even semester, provided the candidate has fulfilled the attendance requirement.
- OB 7.2** A candidate is eligible for promotion from even semester to odd semester (i.e. to next academic year) provided, the candidate 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 still lower semester examinations. A Theory or Practical shall be treated as a head of passing, for example:
- A candidate seeking eligibility to 3rd semester should not have failed in more than 4 heads of passing of first and second semesters taken together.
 - A candidate 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 candidate 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 fifth and sixth semesters taken together.

OB 8 FLEXIBLE SYSTEM

(Applicable to the candidates admitted during 2001-2002 and earlier)

- OB 8.1** A candidate shall have to register for totally 7 electives besides all the core subjects including Theory, Practicals, Drawing, etc. at each semester, from 5th to 8th semesters as per the scheme.
- OB 8.2** A candidate shall register for a minimum of 1 elective subject from 5th to 8th semesters choosing not more than one elective

from each group. Further, the candidate can choose a maximum of two elective subjects in 8th semester, one from groups J & K.

- OB 8.3** The minimum number of students to be registered for an Elective to be offered shall not less than ten.
- OB 8.4** If pre-requisites are defined, Electives shall be offered based on these pre-requisites.
- OB 8.5** The interdisciplinary elective subjects can be offered to candidates from both within and outside the department. The subjects being selected from the group C, F & I at 5th, 6th & 7th semester respectively.
- OB 8.6** A candidate may opt for a maximum of three interdisciplinary electives out of seven electives, from 5th to 8th semesters.
- OB 8.7** A candidate is not eligible to choose an elective subject which he/she has already studied as a core subject. The list of such subjects shall be listed by the University from time to time.
- OB 8.8** The allotment of teaching time slots for interdisciplinary elective subjects shall be the same in all the departments
- OB 8.9** The candidate shall opt for his/her choice of electives and register for the same at the beginning of each semester of 5th, 6th, 7th and 8th. The candidate is permitted to opt for change of subject within 15 days from the date of commencement of the semester as per the calendar of the University.

ELECTIVES

(Applicable to the candidates admitted during 2002-2003 and later)

- OB 8.10** A candidate shall have to take one elective in 6th semester ('A' group), two electives in 7th semester ('B' and 'C' groups) and two electives in 8th semester ('D' and 'E' groups) choosing one from each group in 7th and 8th semester. Minimum of three electives are to be listed in each group.
- OB 8.11** The minimum number of students to be registered for an Elective to be offered shall not less than ten.

OB 8.12 A candidate shall opt for his/her choice of electives and register for the same at the beginning of each of 6th, 7th and 8th semesters. The candidate is permitted to opt for change of subject within 15 days from the date of commencement of the semester as per the calendar of the University.

OB 9 SEMINAR AND PROJECT

OB 9.1 Seminar topic shall be selected from the emerging technical areas only.

OB 9.2 Project work at 8th semester shall be completed batch wise, the batch shall consist a maximum of 4 candidates.

OB 9.3 Project Viva-Voce examination shall be conducted batch-wise.

OB 10 IN-PLANT TRAINING

OB 10.1 Students who are desirous are permitted to undergo In-plant Training as an audited course during the vacations for a period of not less than 60 days in one or more slots of a minimum of 20 days each during 5th to 7th semester vacations. The Registrar(Evaluation) shall issue a certificate at the end of 8th semester for those candidates who have successfully undergone the In-plant Training based on the recommendation of the Principal and the certificates issued by the Industrial Supervisor(s).

OB 11 AWARD OF CLASS AT SEMESTER LEVEL

OB 11.1 For the award of First Class with Distinction, in a semester, the candidate shall have passed the semester examination securing not less than 70% marks in aggregate in first attempt.

OB 11.2 For the award of First Class in a semester examination, the candidate shall have passed the semester examination securing not less than 60% but less than 70% marks in aggregate in first attempt.

OB 11.3 A candidate who secures less than 60% of marks in aggregate in **first attempt** and passes in all the subjects in one more attempts,

shall be declared to have passed the semester examination in only second class.

OB 12 AWARD OF CLASS AT DEGREE LEVEL

OB 12.1 The Bachelor's Degree in Engineering /Technology shall be awarded to the candidates who have passed all the stipulated examinations from 1st to 8th semesters. However, declaration of the class of the degree shall be based on the performance of the candidate in first attempt from 5th to 8th semester examinations taken together.

OB 12.2 A candidate who has passed in all subjects of 1st to 8th semester securing not less than 70% marks in the 1st attempt of 5th to 8th semesters taken together shall be declared to be eligible for the award of the B.E. degree in first class with distinction.

OB 12.3 A candidate who has passed in all subjects of 1st to 8th semester securing not less than 60% but less than 70% of marks in aggregate in the 1st attempt in 5th to 8th semester examinations taken together shall be declared to be eligible for the award of the B.E. degree in first class.

OB 12.4 A candidate who has passed in all subjects of 1st to 8th semester securing less than 60% in aggregate in the first attempt in 5th to 8th semesters shall be declared to be eligible for the award of the B.E. degree in Second Class.

OB 12.5 The marks secured by the candidate in a semester examination after rejecting the results will also be taken as 1st attempt marks and will be considered for the award of class of the Semester/ Degree but not for award of rank.

OB 13 AWARD OF PRIZES, MEDALS & RANKS

OB 13.1 For the award of Prizes and Medals the conditions stipulated by the Donor may be considered as per the statutes framed by the University for such awards.

OB 13.2 For award of ranks in a branch a minimum of 10 candidates should have appeared in the 8th semester examination. The total

number of ranks awarded shall be 10% of total number of candidates appeared in 8th semester or 10 whichever is less in that branch.

OB 13.3 For award of rank in a branch of Engineering / Technology, the aggregate marks secured by the candidate from 5th semester to 8th semester shall be considered. A candidate shall be eligible for a rank at the time of award of degree in each branch of Engineering / Technology, provided the candidate

- a. *has passed 1st to 8th semester in all the subjects in first attempt only*
- b. *should not have repeated/rejected any of the lower semesters.*

OB 14 TRANSFER OF STUDENTS

OB 14.1 Transfer of students from one college to another college within Karnataka state is 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 OB 7.2. In the case of candidates from Universities other than VTU they should have passed in all the subjects of 1st & 2nd semesters for admission to 3rd semester and all the subjects of 1st to 4th semesters for admission to 5th semester and all the subjects of 1st to 6th semesters for admission to 7th semester.

OB 14.2 Transfer of students within the college from one branch to another branch at 3rd semester is permitted as per the provisions of Government of Karnataka. The change of branch requires approval of the University.

OB 14.3 For transfer from college to college or within the college (change of branch) a fee shall be charged by the University for administrative purpose (for updating of the records) which will be notified from time to time.