



# Guru Nanak Dev Engineering College

Mailoor Road, Bidar, KA – 585403

Approved by AICTE New Delhi and Affiliated to VTU Belagavi

## Criterion 2 – Teaching Learning and Evaluation

### Key Indicator 2.5 – Evaluation Process and Reforms

**2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient**

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**Syllabus of III to VIII Semesters B.E.**  
(With effect from 2018-19)

**Electronics & Communication  
Engineering**



**Visvesvaraya Technological University, Belagavi.**  
**ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ**

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*Dhanu*

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# Visvesvaraya Technological University, Belagavi.

Regulations Governing the Degree of Bachelor of Engineering/  
Technology (B.E./B.Tech.)

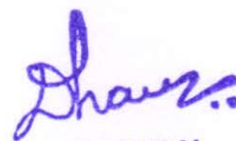
Under Outcome Based Education (OBE) & Choice Based Credit System (CBCS)

**Effective from the Academic Year 2018 – 19**

## DEFINITIONS OF KEYWORDS

The following are the definitions/descriptions that have been followed for the different terms used in the Regulations of B.E./B.Tech. Programmes:

- 1) **Programme:** Is an educational programme in a particular stream/branch of Engineering/branch of specialization leading to award of the Degree. It involves events/activities, comprising of lectures/tutorials/ laboratory work/ field work, outreach activities/ project work/ vocational training/ viva voce/ seminars/ internship/ assignments/ presentations/ self-study etc., or a combination of some of these.
- 2) **Branch:** Means Specialization or discipline of B.E./B.Tech. Degree Programme, like Civil Engineering, Mechanical Engineering, Textile Engineering, etc.
- 3) **Semester:** Refers to one of the two sessions of an academic year (vide: serial number 4), each session being of sixteen weeks duration (with working days greater than or equal to ninety). The odd and even semesters shall be as per the University academic calendar.
- 4) **Academic Year:** Refers to the sessions of two consecutive semesters (odd followed by an even) including periods of vacation.
- 5) **Course:** Refers to usually referred to as 'papers' and is a component of a programme. All Courses need not carry the same weight. 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 voce/ seminars/ term papers/assignments/ presentations/ self-study etc., or a combination of some of these.
- 6) **Credit:** Refers to 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 lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork per week etc.
- 7) **Audit Courses:** Means the Knowledge/ Skill enhancing Courses without the benefit of a grade or credit for a Course.
- 8) **Choice Based Credit System (CBCS):** Refers to customizing the Course work, through Core, Elective and soft skill Courses, to provide necessary support for the students to achieve their goals.
- 9) **Course Registration:** Refers to formal registration for the Courses of a semester (Credits) by every student under the supervision of a Faculty Advisor (also called Mentor, Counsellor etc.,) in each semester for the Institution to maintain proper record.



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- 10) **Course Evaluation:** Means Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) to constitute the major evaluations prescribed for each Course. CIE and SEE to carry 40 % and 60 % respectively, to enable each Course to be evaluated for 100 marks, irrespective of its Credits.
- 11) **Continuous Internal Evaluation (CIE):** Refers to evaluation of students' achievement in the learning process. CIE shall be by the Course Instructor and includes tests, homework, problem solving, group discussion, quiz, mini-project and seminar throughout the semester, with a weightage for the different components being fixed by the University.
- 12) **Semester End Examinations (SEE):** Refers to the examinations conducted by the University covering the entire Course Syllabus. For this purpose, Syllabi to be modularized and SEE questions to be set from each module, with a choice confined to the concerned module only. SEE is also termed as University examination.
- 13) **First Attempt:** Refers to a student who has completed all formalities and has become eligible to attend the SEE and has attended at least one head of passing, such attempt shall be considered as first attempt.
- 14) **Credit Based System (CBS):** Refers to quantification of Course work, after a student completes teaching – learning process, followed by passing in both CIE and SEE. Under CBS, the requirement for awarding degree is prescribed in terms of total number of credits to be earned by the students.
- 15) **Credit Representation:** Refers to the Credit Values for different academic activities considered, as per the Table.1. Credits for seminar, project phases, project viva-voce and internship shall be as specified in the Scheme of Teaching and Examinations.

Table 1: Credit Values				
Theory/ Lectures (L) (hours/week/ Semester)	Tutorials (T) (hours/week/ Semester)	Laboratory/Practical (P) (hours/week/Semester)	Credits (L:T:P)	Total Credits
4	0	0	4:0:0	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
2	2	2	2:1:1	4
0	0	6	0:0:3	3
<b>NOTE:</b> Activities like, practical training, study tour and participation in Guest lectures not to carry Credits.				

- 16) **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.
- 17) **Grading:** Grade refers to qualitative measure of achievement of a student in each Course, based on the percentage of marks secured in CIE and SEE. Grading is done by Absolute Grading [Refer: 18 OB



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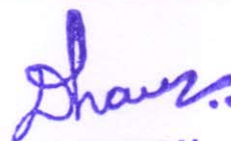
# Visvesvaraya Technological University, Belagavi.

Regulations Governing the Degree of Bachelor of Engineering/  
Technology (B.E./B.Tech.)

Under Outcome Based Education (OBE) & Choice Based Credit System (CBCS)

**Effective from the Academic Year 2018 – 19**

<b>18OB1.0</b>	<b>Title, Duration and Credits of the Programme of Study.</b>
<b>18OB1.1</b>	The Programme of study shall be called the degree of Bachelor of Engineering / Bachelor of Technology, abbreviated as B.E. / B.Tech.
<b>18OB1.2</b>	<p>(a) The Programme to which students are admitted to First semester of B.E./B.Tech. Programme shall be of four academic year duration divided into eight semesters. The actual Teaching and Learning days shall be for at least 90 working days in a semester.</p> <p>(b) The Programme to which students are admitted to third semester of B.E./B.Tech. Programme under lateral entry shall be of three academic year duration, divided into six semesters. The actual Teaching and Learning days shall be at least 90 working days in a semester.</p> <p>(c) The Programme (conducted during evening) to which students are admitted to third semester of B.E./B.Tech. Programme under lateral entry scheme shall be of three academic year duration, divided into six semesters. The actual Teaching and Learning days shall be for at least 90 working days in a semester. The deficit contact hours of the Programme, conducted during evening on all working days, shall be compensated on all Sundays (except on general holidays).</p>
<b>18OB1.3</b>	The calendar of events in respect of the Programme of study shall be notified by the University in advance.
<b>18OB1.4</b>	<p>Maximum Duration for Programme Completion:</p> <p>(a) In case of students admitted to First semester of First year B.E./B.Tech. Programme</p> <p>(i) Students admitted to First year first semester B.E./B.Tech. shall complete the Programme within a period of eight academic years from the date of first admission, failing which they have to discontinue the Programme.</p> <p>(ii) A student who has not obtained eligibility to third semester even after three academic years from the date of first admission to first semester shall discontinue the Programme or get readmitted to first semester of first year B.E./B.Tech. with a revised University Seat Number having the same year of admission but serial number of the student starting with SIX hundred series (6XX).</p> <p>(iii) A student who has joined first year (to I or II semester) as a</p>



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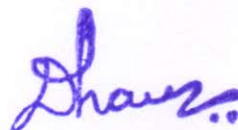
	<p>repeater and has not obtained eligibility to third semester even after three academic years from the date of readmission to first year shall discontinue the Programme or get readmitted to first semester of first year B.E./B.Tech., subject to the provision of 18OB1.4 (a)( i), with a revised University Seat Number having the same year of admission but serial number of the student starting with SIX hundred series (6XX).</p> <p>(iv) A student, who has been readmitted to First year as per [as per 18OB1.4 (a) (ii)and (iii)], does not get eligibility to third semester even after two academic years from the date of readmission, he/she shall discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time.</p> <p>(v) A student who gets admitted to III semester from I year in three or less the three years shall complete the Programme, with or without break, within a period of eight academic years from the date of first admission, failing which they have to discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time.</p> <p>(b) In case of lateral entry students admitted to Third semester of Second year B.E./B.Tech. Programme</p> <p>(i) Students admitted to second year third semester B.E./ B.Tech. shall complete the Programme within a period of six academic years from the date of first admission, failing which they have to discontinue the Programme.</p> <p>(ii) A student who has not obtained eligibility to fifth semester even after two academic years from the date of first admission to third semester shall discontinue the Programme or get readmitted to third semester of second year B.E./B.Tech. with a revised University Seat Number having the same year of admission but serial number of the student starting with SEVEN hundred series (7XX).</p> <p>(iii) A student who has joined second year (to III or IV semester) as a repeater and has not obtained eligibility to fifth semester even after three academic years from the date of readmission to second year shall discontinue the Programme or get readmitted to third semester of second year B.E./B.Tech., subject to the provision of 18OB1.4 (b) ( i), with a revised University Seat Number having the same year of admission but serial number of the student starting with SEVEN hundred series (7XX).</p> <p>(iv) A student, who has been readmitted to second year as per [as per 18OB1.4 (b) (ii) and (iii)], does not get eligibility to fifth semester even after two academic years from the date of readmission to second year, he/she shall discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time.</p>
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	(v) A student who gets admitted to V semester from II year in two or less the two years shall complete the Programme, with or without break, within a period of six academic years from the date of first admission, failing which they have to discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time.
<b>18OB1.5</b>	<p>Prescribed Number of Credits for the Programme [to be read along with 18OB12.2]:</p> <p>(a) The number of credits to be completed by students admitted to first semester of B.E./B.Tech. Programme shall be 175.</p> <p>(b) The number of credits to be completed by students admitted to third semester of B.E./B.Tech. Programme under lateral entry scheme shall be 135.</p> <p>(c) A student shall be eligible to get Undergraduate degree with Honours, if he/she earns additional 20 credits, as per VTU norms issued from time to time regarding the earning of additional credits.[To be read along with Regulations Governing the award of Honours' at B.E./B.Tech. Degree Programmes.]</p>
<b>18OB1.6</b>	<p>(a) Definition of Credits:</p> <p>(a.1) 1 hour Lecture (L) per week per semester = 1 Credit</p> <p>(a.2) 2 hour Tutorial (T) per week per semester = 1 Credit</p> <p>(a.3) 2 hour Practical/Laboratory/Drawing (P) per week per semester = 1 Credit.</p> <p>(a.4) Teaching – Learning hours for Credit Courses:</p> <p>(a.5) Four credit theory courses shall be designed for 50 hours of Teaching – Learning process.</p> <p>(a.6) Three credit theory courses shall be designed for 40 hours of Teaching – Learning process.</p>
<b>18OB2.0</b>	<b>Eligibility for Admission to B.E./B.Tech. Programmes (As per the Government orders issued from time to time)</b>
<b>18OB2.1</b>	<p>(a) Day Engineering College (Eligibility: Candidates who have Passed Second PUC/ Twelfth standard)</p> <p>(i) Passed Second PUC/12th standard/Equivalent examination with English as one of the Languages and obtained a minimum of 45 % of Marks in aggregate in Physics and Mathematics along with Chemistry/Bio-Technology/ Biology/ Electronics/ Computer. 40 % for SC, ST, Category – 1, 2A, 2B, 3A and 3B category candidates of Karnataka only.</p> <p>(ii) Those students, who have passed a qualifying examination other than 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.</p>



	<p>(b) Day Engineering College (Eligibility: Candidates who have Passed 3 year Diploma)</p> <p>(i) A candidate who has passed any Engineering diploma examination or equivalent examination and obtained an aggregate minimum of 45 % marks taken together in all the subjects of the final year (Fifth and Sixth semester) diploma examination (qualified examination) is eligible for admission to B.E./B.Tech. Programmes, in respective branch of Engineering (as notified by the Government of Karnataka for admission to 3rd semester / 2nd year B.E./B.Tech.) and 40 % of marks in qualified examination in case of SC, ST and Backward Classes of Karnataka candidates.</p> <p>(ii) Those candidates who have completed Engineering Diploma from other than Karnataka state shall provide the Equivalence/ Eligibility Certificate issued from the Director of Technical Education, Karnataka.</p> <p>(c) Evening Engineering College (Eligibility: Candidates who have Passed 3 year Diploma):</p> <p>(i) A candidate who has passed any Engineering diploma examination or equivalent examination and obtained an aggregate minimum of 45 % marks taken together in all the subjects of the final year (Fifth and Sixth semesters) diploma examination (qualified examination) is eligible for admission to B.E./B.Tech. Programmes, in respective branch of Engineering (as notified by the Government of Karnataka for admission to 3rd semester / 2nd year B.E./B.Tech.) and 40 % of marks in qualified examination in case SC, ST and Backward Classes of Karnataka candidates.</p> <p>In addition to this a candidate after passing the diploma, must have minimum of Two years full-time work experience as on 1st September of the year of admission, in a registered firm/Company/Industry/Educational Institution /Government/Autonomous Organizations in the branch of Engineering/Technology, in which the candidates holds a diploma, and in which admission is sought by him/her.</p> <p>Professional experience refers to the experience earned as an employee on regular basis in Government, Government Undertaking, Public Sector Undertaking, Corporation or Private company registered under the Directorate of Industries and Commerce or the Directorate of Small Scale Industries or Government, Government recognized Institutions as technical staff.</p> <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 Government, Government Undertakings and Public Sector Undertakings.</p>
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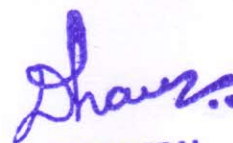


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	<p><b>Note:</b> In case where genuineness of the employment certificate is questionable, such candidates have to produce supportive documents specifying the registration details of the Industry/Company (e.g., SSI Registration) and or identity cards provided to them together with latest salary certificate and provident fund certificate. However, the employer has to fill up the NOC duly signed by the company authority.</p> <p>(d) Day Engineering College (Eligibility: Candidates who have Passed B.Sc Degree)</p> <p>Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.</p> <p><b>Note:</b> A Faculty/ Employee working on Full Time basis in an Institution/ Organization and pursuing/ pursued any Full Time Course for the same duration as that of Regular Shift ("Single Shift/ Regular Shift" means where, educational activities of the Technical Institution are conducted between say, 9 am and 5 pm.) shall be considered as invalid for the purpose of employment/ higher studies.</p> <p>However, the Faculty/ Employee shall pursue a Programme (Course) as Part Time for longer duration, in the same City, only if, a University is offering a Part Time Programme for longer duration. [Page 74, 6.1, Chapter VI, Norms and Requirements, Approval Process Handbook 2019-20]</p>
<b>18OB2.2</b>	With regard to the qualification earned from foreign countries, Equivalence certificate from the University/ Association of Indian Universities is mandatory for admission to B.E./B.Tech. Programmes. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University Equivalence Committee shall be the final in establishing the eligibility of the student.
<b>18OB3.0</b>	<b>Courses</b>
<b>18OB3.1</b>	<p>There shall be the following types of Courses:</p> <p>(a) Humanities, Social Sciences and Management (HSMC): These are mandatory for all disciplines.</p> <p>(b) Basic Sciences (BSC): Physics, Chemistry and Mathematics. These are mandatory for all disciplines.</p> <p>(c) Engineering Sciences (ESC): Materials, Workshop, Drawing, and Basics of Electrical/ Electronics/ Instrumentation/ Civil/ Mechanical/ Computer Engineering etc. These are mandatory for all disciplines.</p> <p>(d) Professional Courses (PCC) – Core: Are the professional Core Courses, relevant to the chosen specialization/ branch. The core Courses are to be compulsorily studied by students</p>


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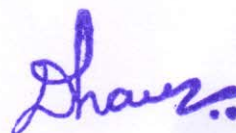
	<p>and are mandatory to complete them to fulfill the requirements of a Programme.</p> <p>(e) Professional Elective Courses (PEC): Are the professional Electives, relevant to the chosen specialization / branch and can be chosen from the pool of papers. It shall be supportive to the discipline providing extended scope/enabling an exposure to some other discipline /domain and nurturing student proficiency skills.</p> <p>(f) Open Elective Courses (OEC): Are the Elective Courses from other technical areas and/ or from emerging fields.</p> <p>(g) Project Work (PROJ): Mini project and Main Project. Carried out at the Institution or elsewhere without affecting with the regular classwork.</p> <p>(h) Seminar: Deliverable at the Institution under the supervision of a Faculty.</p> <p>(i) Internship: Preferably at an industry/R and D organization/IT company/Government organization or elsewhere of significant repute for a specified period as mentioned in Scheme of Teaching and Examinations.</p> <p>(j) Mandatory Courses (MC): These Courses are mandatory, without the benefit of a grade or credit, for students admitted to B.E./B.Tech. Programme. A pass in each mandatory Course is required to qualify for the award of degree.</p>
<b>18OB3.2</b>	<p>The minimum number of students registered to any Elective Course offered by the Departments shall be not less than ten.</p> <p>However, the above condition shall not be applicable to Programmes having class strength of less than 10. In such cases, only one elective course shall be offered.</p>
<b>18OB3.3</b>	<p>A student shall exercise his option in respect of Elective Course/s and registered for the same at the beginning of the concerned semester. The student may be permitted to opt for a change of Elective Course/s within 15 days from the date of commencement of the semester as per the calendar of the University.</p>
<b>18OB3.4</b>	<p><b>Course Registration:</b></p> <p>In order to maintain proper academic record of each student at the Institution, every student shall register for the Courses of a semester (Credits) under the supervision of a Faculty Advisor (also called Mentor, Counselor, etc.,) in each semester.</p>
<b>18OB4.0</b>	<b>Internship/Professional Practice</b>
<b>18OB4.1</b>	<p>Internship / Professional Practice</p> <p>The Internship shall be completed during the period specified in the Scheme of Teaching and Examinations.</p> <p>1) The internship shall preferably be at an industry/R and D organization/IT company/ Government organization of</p>


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	<p>significant reput e for a specified period as mentioned in Scheme of Teaching and Examinations.</p> <ol style="list-style-type: none"> <li>2) The Department/college shall nominate staff member/s to facilitate, Guide and supervise students under internship.</li> <li>3) The students shall report progress of the internship to the Guide in regular intervals and seek his/her advice. The Guide shall maintain the progress record of the candidates undergoing internship.</li> <li>4) After the completion of Internship, students shall submit a report with completion certificate and attendance certificate to the Head of the Department with the approval of both internal and external Guides.</li> <li>5) There shall be 40 marks for CIE and 60 marks for SEE. The minimum requirement of CIE marks shall be 50% of the maximum marks.</li> <li>6) The internal Guide shall be the internal examiner for the SEE.</li> <li>7) The external Guide for Internship shall be the external examiner for SEE. Examination for internship shall be conducted at the college and the date shall be fixed in consultation with the external Guide. The Examiners shall jointly award the SEE marks. [To be read along with 18OB8.9 (f)].</li> <li>8) In case the external Guide expresses his inability to conduct the Examination, the Principal /Chief Superintendent of the Institute shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide.</li> <li>9) Non-availability of Internal guide due to inevitable situations for the conduct of SEE, the Principal /Chief Superintendent of respective institute shall appoint a senior faculty of the Department to conduct the Examination.</li> <li>10) The students are permitted to carry out the internship anywhere in India or abroad. The University will not provide any kind of financial assistance to any student for carrying out the Internship.</li> </ol>
<b>18OB 5.0</b>	<b>Technical Seminar and Project</b>
<b>18 OB 5.1</b>	<p>Technical Seminar: Technical Seminar is one of the head of passing.</p> <ol style="list-style-type: none"> <li>(i) Each candidate shall deliver Technical seminar as per the Scheme of Teaching and Examinations on the topic chosen from the relevant field.</li> <li>(ii) The Head of the Department shall make arrangements for the conduct of seminars through concerned faculty members of the Department. The committee, constituted for the purpose by the Head of the Department, shall award the CIE marks for the seminar. The committee shall consist of two senior faculty members of the Department and the senior most acting as the</li> </ol>


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	Chairperson. [To be read along with 18OB8.2 (e)]																																							
18OB 5.2	Project: Project (Mini and Main) is one of the head of passing. Mini Project Work and Main Project Work shall preferably be batch wise, the strength of each batch shall not exceed a maximum of four students. [To be read along with 18OB 8.2 (f), (g) 18OB8.9 (f) and the details mentioned in Scheme of Teaching and Examinations.]																																							
18OB 5.3	Examinations in Mini Project Work and Main Project Work shall be conducted batch-wise.																																							
18OB 6.0	Computation of SGPA and CGPA																																							
18OB 6.1	<p>(i) The University adopts absolute grading system wherein the marks are converted to grades, and every semester results shall be declared in terms of Semester Grade Point Average (SGPA) considering all the courses appeared in that Semester End Examinations including backlog course/s/arrear papers (refers to courses other than the current semester courses that have not yet been completed), and Cumulative Grade Point Average (CGPA). The CGPA will be calculated for every semester, except for the first semester.</p> <p>(ii) The grading system with the letter grades and the assigned range of marks under absolute grading system shall be as given below:</p> <table><tr><th>Level</th><th>Outstanding</th><th>Excellent</th><th>Very Good</th><th>Good</th><th>Above Average</th><th>Average</th><th>Fail</th></tr><tr><td>Letter Grade</td><td>S</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td></tr><tr><td>Grade Points</td><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>4</td><td>00</td></tr><tr><td rowspan="2">Percentage of Marks Scored in a Course</td><td>≥ 90</td><td>&lt;90 ≥80</td><td>&lt; 80 ≥70</td><td>&lt; 70 ≥60</td><td>&lt; 60 ≥ 45</td><td>&lt; 45 ≥40</td><td>&lt; 40</td></tr><tr><td>(90 -100)</td><td>(80 - 89)</td><td>(70 - 79)</td><td>(60 - 69)</td><td>(45 - 59)</td><td>(40 - 44)</td><td>(0 - 39)</td></tr></table> <p>(iii) A student obtaining Grade F in a Course shall be considered fail and is required to reappear in the subsequent SEE. Whatever the letter grade secured by the student during his /her reappearance shall be awarded. The number of attempts taken to clear Course/s shall be indicated in the grade card.</p>	Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Fail	Letter Grade	S	A	B	C	D	E	F	Grade Points	10	9	8	7	6	4	00	Percentage of Marks Scored in a Course	≥ 90	<90 ≥80	< 80 ≥70	< 70 ≥60	< 60 ≥ 45	< 45 ≥40	< 40	(90 -100)	(80 - 89)	(70 - 79)	(60 - 69)	(45 - 59)	(40 - 44)	(0 - 39)
Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Fail																																	
Letter Grade	S	A	B	C	D	E	F																																	
Grade Points	10	9	8	7	6	4	00																																	
Percentage of Marks Scored in a Course	≥ 90	<90 ≥80	< 80 ≥70	< 70 ≥60	< 60 ≥ 45	< 45 ≥40	< 40																																	
	(90 -100)	(80 - 89)	(70 - 79)	(60 - 69)	(45 - 59)	(40 - 44)	(0 - 39)																																	
18OB6.2	Computation of SGPA and CGPA  The following expressions shall be used to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) respectively:																																							



$$SGPA = \frac{\sum [\text{Course Credits} \times \text{Grade Points}] \text{ for all the Courses in that Semester}}{\sum [\text{Course Credits}] \text{ for all the Courses in that Semester}}$$

$$CGPA = \frac{\sum [\text{Course Credits} \times \text{Grade Points}] \text{ for all Courses excluding those with F grades until that Semester}}{\sum [\text{Course Credits}] \text{ for all Courses excluding those with F grades until that Semester}}$$

The SGPA and CGPA shall be rounded off to 2 decimal places and reported in the grade cards.

**(a) SGPA and CGPA Calculations: An Illustrative Example for one academic year**

(Odd :I, Semester Even: II)	Course Code	Credits	Grade	Grade Points	Credit Points	SGPA, CGPA
I	XX101	5:0:0 = 5	B	8	5 × 8 = 40	$SGPA = \frac{117}{25} = 4.68$
I	XX102	3:2:0 = 5	Absent(F)	0	5 × 0 = 00	
I	XX103	3:0:0 = 3	A	9	3 × 9 = 27	
I	XX104	0:1:1 = 2	F	0	2 × 0 = 00	
I	XX105	4:1:0 = 5	D	6	5 × 6 = 30	
I	XX106	5:0:0 = 5	E	4	5 × 4 = 20	
		Total	25 (18*)	Total	117	

(18\*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.

II	XX107	3:1:1 = 5	C	7	5 × 7 = 35	$SGPA = \frac{157}{25} = 6.28$
II	XX108	4:0:0 = 4	B	8	4 × 8 = 32	
II	XX109	3:0:0 = 3	D	6	3 × 6 = 18	
II	XX110	4:1:0 = 5	E	4	5 × 4 = 20	
II	XX111	2:1:1 = 4	A	9	4 × 9 = 36	$CGPA = \frac{(117 + 157)}{18 + 23} = \frac{274}{41} = 6.68$
II	XX112	2:0:0 = 2	F	0	2 × 0 = 00	
II	XX113	0:2:0 = 2	B	8	2 × 8 = 16	
		Total	25 (23*)	Total	157	

(23\*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.

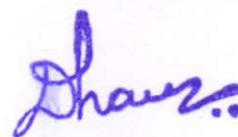
If the Student secures letter grades as detailed below after reappearance to SEE, then the SGPA and CGPA shall be calculated as indicated below.

I	XX102	3:2:0 = 5	D	6	5 × 6 = 30	$SGPA \text{ (I Semester)} = \frac{(117 + 30 + 14)}{25}$
I	XX104	0:1:1 = 2	C	7	2 × 7 = 14	
II	XX112	2:0:0 = 2	D	6	2 × 6 = 12	$SGPA \text{ (II Semester)} = \frac{(157 + 12)}{25} = \frac{169}{25} = 6.76$

**(b) CGPA Calculation of the Programme: An Illustrative Example**

Semester	I	II	III	IV	V	VI	VII	VIII
Credits of the semester	20	20	24	24	25	24	20	18
SGPA	7.00	8.50	9.20	6.86	8.18	7.73	8.68	9.40
CGPA	$20 \times 7.00 + 20 \times 8.50 + 24 \times 9.20 + 24 \times 6.86 + 25 \times 8.18 + 24 \times 7.73 + 20 \times 8.68 + 18 \times 9.40$							
	$= \frac{175}{21} = 8.16$							

180B6.3	Grade Card: Based on the secured letter grades, grade points, SGPA and CGPA, a grade card for each semester and a consolidated grade card indicating the performance in all semesters shall be issued.
180B7.0	<b>Conversions of CGPA into Percentage of marks and Class Equivalence</b>
180B7.1	Formula for the conversion of CGPA into percentage of marks. Percentage of marks secured, $P = [\text{CGPA Earned} - 0.75] \times 10$ Illustration for a CGPA of 8.20: $P = [\text{CGPA Earned } 8.20 - 0.75] \times 10 = 74.5 \%$
180B7.2	Class Equivalence: Subsequent to the conversion of final CGPA, after successful completion of the Programme, into percentage of marks (P), a graduating student is reckoned to have passed in (i) First Class with Distinction (FCD) if $P \geq 70\%$ (ii) First Class (FC) if $P \geq 60\%$ but $< 70\%$ and (iii) Second Class (SC) if $P < 60\%$ .
180B8.0	<b>Continuous Internal Evaluation, Semester End Evaluation and Minimum CIE and SEE Marks</b>
180B8.1	Continuous Internal Evaluation Marks and Minimum CIE Marks: (a) For Vyavaharika Kannada (Balake Kannada)/Aadalitha Kannada (Samskruthika Kannada) the maximum CIE marks shall be 100. For the award of credit, the minimum CIE marks to be secured shall be 40 % of the maximum marks i.e., 40 marks. (b) For Project work phase -1 and Technical seminar the maximum CIE marks shall be 100. For the award of credit, the minimum CIE marks to be secured shall be 50 % of the maximum marks i.e., 50 marks. (c) For Practical/ Mini-project/Internship/Project work– Phase 2 the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be 50 % of the maximum marks i.e., 20 marks. (d) For all other theory Courses of the Programme, the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be 40 % of the maximum marks i.e., 16 marks. (f) For Additional Mathematics I and II (to be completed by diploma lateral entry students) the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be 40 % of the maximum marks i.e., 16 marks. (g) For Engineering Graphics and Elements of Civil Engineering and Mechanics (of First Year Engineering and to be completed by B.Sc graduates under lateral entry) the


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	maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be respectively 50 % and 40 % of the maximum marks i.e., 20 and 16 marks.
<b>18OB8.2</b>	<p>Continuous Internal Evaluation Procedure: [To be read along with 18 OB 8.1 and 8.3]</p> <p>(a) Theory Courses:</p> <p>(i) CIE Marks in each theory Course [including 'Technical English I and II', 'Constitution of India, Professional Ethics and Cyber Law', 'Environmental Studies', 'Additional Mathematics I and II'], shall be the sum of marks prescribed for tests and assignments. Marks prescribed for tests shall be 30 and that for assignments 10.</p> <p>(ii) The CIE marks awarded for tests in the theory Courses 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 maximum of 50 marks and the final test marks shall be the average of three tests, proportionately reduced to a maximum of 30 marks.</p> <p>(iii) The remaining 10 marks shall be awarded based on the evaluation of assignments/unit tests/written quizzes that support to cover both lower and higher order thinking skills as per Revised Bloom's Taxonomy.</p> <p>(iv) Final CIE marks awarded shall be the sum of 18OB8.2 (a) (ii) and (iii) for a maximum of 40 marks.</p> <p>(v) The candidates shall write the tests, assignments/unit-tests /written quizzes in Blue Books which shall be preserved by the Principal/ Head of the Department for at least six months after the announcement of University results and shall be made available for verification at the direction of the Registrar (Evaluation).</p> <p><b>(b) Engineering Graphics/ Drawing/Fieldwork Courses:</b></p> <p>The CIE marks awarded for I year Engineering Graphics Course shall be based on</p> <p>(i) Classwork for 24 marks (sketching and Computer Aided Engineering Drawing).</p> <p>(ii) Two Tests conducted in the same pattern as that of SEE for 16 marks (The marks secured can be taken as best of the two tests).</p> <p>(iii) Final CIE marks awarded for Engineering Graphics shall be the sum of 18OB8.2 (b) (i) and (ii) for a maximum of 40 marks.</p> <p>(iv) The CIE marks awarded for higher semester Drawings/ Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 60:40.</p>



	<p>(v) The CIE marks awarded for field work (like Surveying Practice) shall be based on the evaluation of the associated field work and one test in the ratio 60:40.</p> <p><b>(c) Practical Courses:</b> The CIE marks awarded in case of Practical, shall be based on the weekly evaluation of laboratory journals/ reports after the conduction of every experiment and one practical test in the ratio 60:40.</p> <p><b>(d) Internship:</b> The CIE marks awarded for internship shall be based on the evaluation of Internship Report, Presentation skill and Question and Answer session in the ratio 50:25:25.</p> <p><b>(e) Technical Seminar</b> 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><b>(f) Mini - Project</b> The CIE marks awarded for Mini - Project, shall be based on the evaluation of Mini - Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25. The marks awarded for Mini - Project report shall be the same for all the batch mates.</p> <p><b>(g) Main Project Work</b></p> <p><b>(i) Project Work Phase - 1</b> The CIE marks awarded for project work phase -1 shall be based on the evaluation of project work phase -1 Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25. The marks awarded for the Project report shall be the same for all the batch mates.</p> <p><b>(ii) Project Work Phase - 2</b> The CIE marks awarded for project work phase -2 shall be based on the evaluation of project work phase -2 Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25. The marks awarded for Project report shall be the same for all the batch mates.</p> <p>(h) Vyavaharika Kannada (Balake Kannada)/Aadalitha Kannada (Samskruthika Kannada)</p> <p>(i) CIE Marks in Vyavaharika Kannada (Balake Kannada)/Aadalitha Kannada (Samskruthika Kannada) shall be the sum of marks prescribed for tests and assignments. Marks prescribed for tests shall be 75 and that for the assignments be 25.</p>
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	<p>(ii) The CIE marks awarded for the tests 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 maximum of 25 marks and the final CIE marks shall be the sum of the marks of all the three tests.</p> <p>(iii) The remaining 25 marks shall be awarded based on the evaluation of assignments/oral discussions/ quizzes that supports communication skills.</p> <p>(iv) Final marks awarded shall be the sum of 18OB8.2 (h) (ii) and (iii) for a maximum of 100 marks.</p> <p>(v) Students shall write the tests in Blue Books and complete the exercises/activates/ questions given in the University Kannada textbook. These shall be preserved by the Principal/ Head of the Department for at least six months after the announcement of University results and shall be made available for verification at the direction of the Registrar (Evaluation).</p>
<b>18OB8.3</b>	<p>(a) The CIE marks in the case of Internship/Technical Seminar/Mini-Project and Project Work Phase 1 and 2 shall be awarded 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 Guide.</p> <p>(b) A committee constituted by the Head of the Department of Humanities and Social Science shall inspect and authenticate the award the CIE marks for the Course Vyavaharika Kannada (Balake Kannada)/Aadalitha Kannada (Samskruthika Kannada). The committee shall consist of two senior faculty members of the Department and the senior most acting as the Chairperson.</p>
<b>18OB8.4</b>	<p>(i) Students satisfying the attendance requirement but failing to secure the minimum percentage of CIE marks, in any Course/s, shall not be eligible for the SEE conducted by the University and they shall be considered as fail in that Course /those Courses. However, they can appear for University examinations conducted in other Courses of the same semester and backlog Course/s if any.</p> <p>(ii) Students who have satisfied the attendance requirement but not the CIE requirements shall be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course/s (with or without satisfying the attendance requirement) when offered during subsequent semester/s.</p> <p>(iii) Each appearance to SEE to complete a course shall be treated as an attempt.</p>
<b>18OB8.5</b>	CIE marks of those students, who come under 18OB8.4, shall also be sent to the Registrar (Evaluation) along with other course CIE Marks.



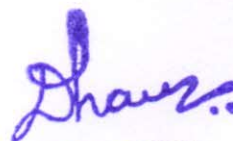
18OB8.6	<p>(i) The final list, incorporating corrections (if any), of CIE marks awarded to the students in the Theory/Practical/Internship/ Technical Seminar / Mini – Project/Project work –phase 1 and 2, shall be displayed on the notice board of the college much before the closure of the semester.</p> <p>(ii) The institution shall enter the CIE marks of each semester in the format of the VTU online CIE marks portal and submit a certified copy of the same to the University Examination Section within the stipulated date notified by University. Every page of the CIE marks sheet (hardcopy) shall bear the signatures of the concerned Teacher/Teachers, Head of the Department and Principal.</p>
18OB8.7	<p>Any corrections or overwriting of CIE marks shall bear the signature(s) of concerned Teacher(s) and in such cases the Head of the Department shall indicate the number of corrections on every sheet and attest it with his/her signature.</p>
18OB8.8	<p>CIE 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 CIE marks to the University, any request under any circumstances for change of CIE marks shall not be considered.</p>
18OB8.9	<p><b>Semester End Examination Marks and Passing standards</b></p> <p>(a) University examination for all Courses under SEE shall be conducted for a maximum of 100 Marks. The marks secured by the students for 100 marks shall be proportionately reduced to a maximum of 60 marks to add the same with the CIE marks for the award of letter grade.</p> <p>(b) The University examinations for all the Programmes of study shall be conducted at the end of each semester for all the eight semesters.</p> <p>(c) Students having no backlog course/s, may not have more than one examination on the same day. However, students having backlog course/s may face a situation where they may have</p> <p>(i) Two examinations scheduled at the same time of the day,</p> <p>(ii) to take two examinations on the same day, one during the morning session and the other in the afternoon session, and</p> <p>(iii) Examinations on consecutive days.</p> <p>As changing the examination dates is not an option, the examination timetable shall not be modified/ altered/ adjusted in any of the above three cases. In the first case, the students shall select any one of the clashing courses and in second and third cases, the students shall manage the examinations as per their decision.</p> <p>(d) The pattern of the SEE question paper for Courses Technical English I and II, Constitution of India, Professional Ethics and Cyber Law, and Environmental Studies shall be objective type [Multiple Choice Questions (MCQ)].</p>



	<p>(e) For a pass in a theory Course/Drawing, students shall secure a minimum 35 % of the maximum marks prescribed for the University examination and in total 40 % of the Course maximum marks, i.e., the sum of the CIE and SEE marks prescribed for the Course.</p> <p>(f) For a pass in Practical/ Mini-project / Internship/Technical Seminar/Project work, students shall secure a minimum of 40 % of the Course maximum marks prescribed for the University examination (SEE).</p> <p>(g) Students who satisfy the conditions 18OB8.9 (e) and (f), and obtain any grade from S to E in a Course shall be considered to have passed that Course.</p> <p>(h) A student shall be declared fail if the candidate</p> <p>(h.a) Fails to satisfy the conditions 18OB8.9 (g).</p> <p>(h.b) Absents himself/ herself to the University examination.</p> <p>(h.c) Is held guilty of examination malpractice and for any other reasons, and declared the performance of any Course/s null and void by a competent authority.</p> <p>(i) If a student secures F grade in any of the Course/s, he/she shall reappear for that Course/s during the subsequent SEE. The CIE marks awarded to the student at first attempt in the concerned Course/s shall be carried forward. Revised CIE marks is considered only in cases under the provision of 18OB8.4 (ii).</p>
<b>18OB8.10</b>	Students who pass a Course of a semester as per 18OB8.9 (g) shall not be allowed to appear for any individual Course again, unless they opt for rejection of results of entire semester. However, students who have CGPA less than 5.00 at the end of academic Programme, subject to the provision 18OB1.4, shall be allowed to appear for only SEE of Course/s to make up the deficiency in CGPA.
<b>18OB8.11</b>	A student may, at his/her desire, can reject the total performance of a semester (including CIE marks) or reject only the result of his/her performance in University examinations of a semester. The rejection is permitted only once during the entire Programme of study.
<b>18OB8.12</b>	<p>Students who desire to reject the SEE results of a semester shall reject the total performance (irrespective of the earned Course grades) in all the Courses of the semester either rejecting or retaining the CIE marks. However, rejection of the performance of VIII semester project shall not be permitted.</p> <p>(i) Students, who desire to reject the total SEE performance of an odd or even semester including CIE marks, have to repeat that odd or even semester of the prevailing scheme by taking readmission during the subsequent academic year/s. They shall also be governed by 18OB 12.1, 12.2 and 1.4.</p>



	<p>(ii) If the rejection of SEE results excluding CIE marks is of odd semester, students shall be allowed to take admission to the immediate next even semester.</p> <p>(iii) If the rejection of SEE results excluding CIE marks is of even semester, then students shall not be allowed to take admission to the next odd semester as per 18OB10.3. In such cases, students shall take admission to the next odd semester of the prevailing scheme during the subsequent academic year/s, after obtaining the eligibility to move to higher semester. They shall also be governed by 18OB 12.1, 12.2 and 1.4.</p> <p>(iv) Readmission to odd/even semester as per 18OB8.12 (i) and (iii) shall not be considered as fresh admission and therefore students shall continue to have the same University Seat Number, which was allotted earlier. The maximum duration of the programme (as per 18OB1.4) shall be counted with reference to old University Seat Number.</p> <p>(v) Applications for rejection and approval to reappear for University examinations 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.</p> <p>(vi) Application for approval of 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.</p>
<b>18OB8.13</b>	Students who opt for rejection of results of University examination shall be eligible for the award of degree and not for the award of ranks and Honours Degree.
<b>18OB9.0</b>	<b>Attendance Requirement</b>
<b>18OB9.1</b>	Each semester shall be considered as a unit for calculation of the attendance and the Candidates have 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 recommendations of the Principal of the college where the candidate is studying, based on medical grounds, participation in University/State/ National/ International level sports and cultural activities, seminars, workshops, paper presentation etc., of significant value. The supporting documents for condoning the shortage of attendance shall be submitted along with the recommendations.
<b>18OB9.2</b>	<p>(a) The basis for the calculation of attendance shall be the period prescribed by the University by its calendar of events and as notified by the Registrar (Evaluation) from time to time.</p>


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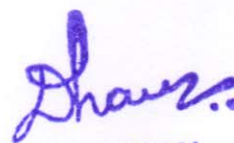
	(b) In case of late admissions, approved by competent authority (DTE/VTU), to I semester/ III semester (lateral entry scheme) of day college/III semester (lateral entry scheme) of Engineering Programme conducted during evening, the attendance shall be reckoned from the date of admission to the Programme.
<b>18OB9.3</b>	The Course Instructor/ Mentor/College shall inform the students as well as their parents /guardians about the attendance status periodically. Students who are facing the shortage of attendance shall be mentored to make up the shortage. Principals shall also notify every month, the list of candidates who are under short of attendance.
<b>18OB9.4</b>	A candidate, who does not satisfy the attendance requirement (in one or more Courses and including the Courses Additional Mathematics I and II) as mentioned in 18OB 9.1 shall not be eligible to appear for the Semester End Examinations of that semester and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year.
<b>18OB10.0</b>	<b>Vertical Progression (Promotion/ Eligibility to higher semesters)</b>
<b>18OB10.1</b>	There shall be no restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement.
<b>18OB10.2</b>	Along with the reasons specified at 18OB8.9 (h), a student shall be declared fail if he/she <ul style="list-style-type: none"> <li>(i) Has not satisfied the CIE requirements of any Course/s.</li> <li>(ii) Has not registered for the SEE even after satisfying the attendance and CIE requirements.</li> </ul>
<b>18OB10.3</b>	<p>(A) Vertical Progression in case of students admitted to First year:</p> <ul style="list-style-type: none"> <li>(a) Students having not more than four F grades in the two semesters of first year of the Programme shall be eligible to move to second year.</li> <li>(a.1) Students having not more than four F grades in the four semesters of I and II year shall be eligible to move to III year.</li> <li>(a.2) Student who have earned all the prescribed credits of I year, and having not more than four F grades in the four semesters of II and III year shall be eligible to move to IV year.</li> </ul> <p>(B) Vertical Progression in case of Diploma students admitted to Second year (lateral entry)</p> <ul style="list-style-type: none"> <li>(a) Students having not more than four F grades (excluding the Fail or pass status of Additional Mathematics I and II) in the two semesters of II year of the Programme shall be eligible to move to III Year.</li> </ul>


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	<p>(a.1) Students having not more than four F grades (excluding the Fail or pass status of Additional Mathematics I and II, if any) in the four semesters of II and III year shall be eligible to move to IV year.</p> <p>(b) The mandatory non – credit Courses Additional Mathematics I and II prescribed at III and IV semesters respectively, to lateral entry Diploma holders admitted to III semester of B.E./B.Tech. Programmes, shall attend the classes during the respective semesters to satisfy attendance and CIE requirements and to appear for the University examinations.</p> <p>(i) In case, any student fails to satisfy the attendance requirement of the Courses Additional Mathematics I and II, he/she shall not be eligible to appear for the Semester End Examinations of that semester and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year.</p> <p>(ii) Students who have satisfied the attendance requirement but not the CIE requirements of the Courses Additional Mathematics I and II shall be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course/s (with or without satisfying the attendance requirement) when offered during subsequent semester/s.</p> <p>(c) Completion of Additional Mathematics I and II, shall be mandatory for the award of degree.</p> <p>(C) Vertical Progression in case of B.Sc students admitted to Second year (lateral entry)</p> <p>(a) Students having not more than four F grades (excluding the Fail or pass status of Engineering Graphics and Design, and Civil Engineering and Mechanics of First Year Engineering Programme) in the two semesters of II year of the Programme shall be eligible to move to III Year.</p> <p>(a.1) Students having not more than four F grades (excluding the Fail or pass status of Engineering Graphics and Design, and Civil Engineering and Mechanics of First Year Engineering Programme, if any) in the four semesters of II and III year shall be eligible to move to IV year.</p> <p>(b) The prescribed mandatory non – credit Courses Engineering Graphics and Design, and Civil Engineering and Mechanics of First Year Engineering Programme to lateral entry B.Sc. holders admitted to III semester of B.E./B.Tech. Programmes, shall attend the classes during the respective semesters to complete CIE and attendance requirements and to appear for the University examinations.</p> <p>(i) In case, any student fails to satisfy the attendance requirement of the above said Courses, he/she shall not be eligible to appear for the Semester End Examinations of that semester</p>
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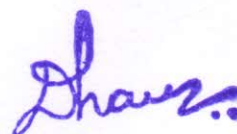
	<p>and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year.</p> <p>(ii) Students who have satisfied the attendance requirement but not the CIE requirements of the above said Courses, shall be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course/s (with or without satisfying the attendance requirement) when offered during subsequent semester/s.</p> <p>(c) Completion of Engineering Graphics and Elements of Civil Engineering and Mechanics shall be mandatory for the award of degree.</p> <p>The Principal of each college shall make suitable arrangements in the timetable to facilitate the B.Sc students to attend the above mentioned courses to satisfy the CIE and attendance requirements and to appear for the University examinations.</p>
<b>18OB11.0</b>	<b>Award of Degree</b>
<b>18OB11.1</b>	<p>1. B.E./B.Tech. degree</p> <p>(a) Students shall be declared to have completed the Programme of B.E. / B.Tech.. degree and is eligible for the award of degree, provided the students have undergone the stipulated Course work of all the semesters under the Scheme of Teaching and Examinations and has earned the prescribed number of credits as per the provision 18OB1.5. [To be read along with 18 OB 12.1 and 12.2]</p> <p>(b) For the award of degree, a CGPA <math>\geq 5.00</math> at the end of Programme shall be mandatory. [To be read with 18OB11.2 (1)]</p> <p>(c) Completion of Additional Mathematics I and II, shall be mandatory for the award of degree to lateral entry diploma students.</p> <p>(d) Completion of Engineering Graphics and Elements of Civil Engineering and Mechanics of First Year Engineering Programme shall be mandatory for the award of degree to lateral entry B.Sc graduates.</p> <p>(e)(i) Over and above the academic credits, every Day College regular student admitted to the 4 years Degree Programme and every student entering 4 years Degree Programme through lateral entry, shall earn 100 and 75 Activity Points respectively through AICTE Activity Point Programme for the award of degree. Students transferred from other Universities/ Autonomous colleges under VTU to fifth semester are required to earn 50 Activity Points from the year of entry to VTU. The Activity Points earned shall be reflected on the student's eight semester Grade Card.</p>



	<p>(ii) Activity Points (non-credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression.</p> <p>In case students fail to earn the prescribed activity Points before the commencement of 8th semester examinations, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.</p> <p><b>2. B.E./B.Tech. (Honours) degree</b></p> <p>(a) A student shall be declared to have completed the Programme of B.E. / B.Tech. degree and shall be eligible to get undergraduate BE/B.Tech degree with Honours, provided</p> <p>(i) The student has undergone the stipulated Course work of all the semesters under the same Scheme of Teaching and Examinations and has earned the prescribed number of credits as per the provision 18 OB1.5 (a) and (b).</p> <p>(ii) Has earned additional 20 or more credits through University approved online Courses.</p> <p>(iii) Satisfies the Regulations Governing the award of Honours at B.E./B.Tech. Degree Programmes.</p>
<b>18OB11.2</b>	<p>(1) Noncompliance of CGPA at the end of the Programme</p> <p>(a) Students who have completed all the courses of the Programme but not having a CGPA <math>\geq 5.00</math> at the end of the programme, shall not be eligible for the award of the degree.</p> <p>(b) In the cases of 18OB11.2 (1) (a), students shall be permitted to appear again for SEE in course/s [other than Internship, Technical seminar, Project (Mini and Main), and Laboratories] of any Semester/s without the rejection of CIE marks for any number of times, subject to the provision of maximum duration of the Programme to make up the CGPA equal to or greater than 5.00 for the award of the Degree.</p> <p>(c) In case, the students earn improved grade/s in all the reappeared course/s, the CGPA shall be calculated considering the improved grade/s. If it is <math>\geq 5.00</math>, the students shall become eligible for the award of the degree. If CGPA <math>&lt; 5.00</math>, the students shall follow the procedure laid in 18OB11.2(1) (b).</p> <p>(d) In case, the students earn improved grade/s in some course/s and the same or lesser than the previously earned pass grade/s in the other reappeared course/s, the CGPA shall be calculated considering the improved grade/s and the pass grades earned before the reappearance. If it is <math>\geq 5.00</math>, the students shall become eligible for the award of the degree. If CGPA <math>&lt; 5.00</math>, the students shall follow the procedure laid in 18OB11.2 (1) (b).</p>




	<p>(e) In case, the students earn improved grade/s in some courses and fail in the other reappeared course/s, the CGPA shall be calculated by considering the improved grade/s and the previously earned pass grade/s of the reappeared course/s in which the students have failed. If it is <math>\geq 5.00</math>, the students shall become eligible for the award of the degree. If CGPA <math>&lt; 5.00</math>, the students shall follow the procedure laid in 18OB11.2(1)(b).</p> <p>(f) In case, the students fail (i.e., earns F grade) in all the reappeared course/s, pass grade/s of the course/s earned by the students before reappearance shall be retained. In such cases, the students shall follow the procedure laid in 18OB11.2(1)(b).</p> <p>(g) Students shall obtain written permission from the Registrar (Evaluation) to reappear in SEE to make up the CGPA equal to or greater than 5.00.</p> <p><b>(2) Noncompliance of Mini-project</b></p> <p>(a) The mini-project shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the mini-project shall be declared fail in that course and shall have to complete the same during subsequent University examinations after satisfying the Mini-project requirements. Also, mini-project shall be considered for eligibility to VII semester.</p> <p><b>(3) Noncompliance of Internship</b></p> <p>(a) All the students of B.E./B.Tech. shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credits shall be included with the credits of VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared fail in that Course and shall have to complete the same during subsequent University examinations after satisfy the internship requirements.</p>
<b>18OB12.0</b>	<b>Temporary Discontinuation/Break in the Programme/Change in Scheme of Study</b>
<b>18OB12.1</b>	<p>(a) If a candidate, for any reason, temporarily discontinues the Programme or take a break from the Programme during any semester intentionally, he/she shall be permitted to continue the Programme by registering to the same semester of the prevailing scheme. The candidate, from that semester, shall attend and complete all the remaining Course works of all the semesters, adhering to the regulations of the prevailing</p>


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Guru Nanak Dev Engg. College, Bilal



	<p>scheme and subject to the provision 18OB1.4. Also the Candidates may have to complete additional Course/s, if any, as per the decision of concerned Board of Studies on establishing the equivalence between two schemes. A Grade card shall be issued to that effect. Additional Course/s shall not be considered for the eligibility criteria prescribed for promotion. Based on the individual cases, they shall be considered to decide the SGPA and CGPA to admit the student for the award of degree. Such candidates shall not be eligible for the award of rank / Honours degree.</p> <p>(b) Candidates who take admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons, shall attend and complete all the remaining semester/s of the Programme adhering to the regulations of the prevailing scheme, and shall complete additional Course/s, if any, as per the decision of concerned Board of Studies on establishing the equivalence between two schemes. A Grade card shall be issued to that effect. Additional Courses shall not be considered for the eligibility criteria prescribed for promotion. Based on the individual cases, they shall be considered to decide the SGPA and CGPA to admit the student for the award of degree. Such candidate shall not be eligible for the award of rank/Honours Degree.</p> <p>(c) The credits to be earned by the candidates under 18OB12.1 (a and b) and 18OB14.1(b) and (c) shall be decided by the University along with the additional Course/s to be completed.</p>
<b>18OB12.2</b>	<p>(i) The candidates who have temporarily discontinued the Programme of study or changed the scheme of study from one to another because of various reasons, or transferred from autonomous/other University to non-autonomous VTU constituent/affiliated college, shall be eligible for the award of degree provided the credits earned is equal to or greater than the credits decided by the University in the individual cases.</p> <p>(ii) In case, the credits earned is less than the credits decided by the University in the individual cases, after the completion of all the semesters of the Programme under the prevailing scheme, the candidate shall register for a Course or courses not studied earlier and make up the credits earned equal to or greater than the required for the award of degree.</p> <p>(iii) If the earned Programme credits are greater than the prescribed, the CGPA shall be proportionately reduced to the prescribed Programme credits.</p>
<b>18OB13.0</b>	<b>Award of Prizes, Medals and Ranks</b>
<b>18OB13.1</b>	For the award of Prizes and Medals, the conditions stipulated by the


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Guru Nanak Dev Engg. College, B...




	Donor shall be considered subject to the provisions of the statutes framed by the University for such awards.
<b>18OB13.2</b>	<p>(1) For award of rank in a Specialization of Bachelor of Engineering/ Technology, the CGPA secured by the students from III to VIII semester shall be considered.</p> <p>(2) The additional credits earned for the award of Honours degree shall not have any bearing for the Rank declaration.</p> <p>(3) A student shall be eligible for a rank at the time of award of degree of Bachelor of Engineering/ Technology, provided that the student,</p> <p>(a) (i) Has passed all the Courses of I to VIII semester in first attempt only in case of Candidates admitted to I year.</p> <p>(ii) Has passed all the Courses (including Additional Mathematics I and II in case Diploma students/ Engineering Graphics and Elements of Civil Engineering and Mechanics in case of B.Sc graduates under lateral entry) of III to VIII semester in first attempt only in case of Candidates admitted under lateral entry scheme.</p> <p>(b) Is not a repeater in any semester because of rejection of result of a semester/ shortage of attendance etc.</p> <p>(c) Has completed all the Courses/semesters of the same Scheme of Teaching and Examinations without any break/discontinuity.</p> <p>(d) Has completed all the semesters (I to VIII/III to VIII) in VTU constituent college or in any VTU affiliated non-autonomous college.</p> <p>(e) Has not been transferred from any autonomous institution affiliated to VTU or from any other University.</p> <p>(4) The total number of ranks awarded shall be 10% of total number of students appeared in VIII semester subject to a maximum of 10 ranks in a Specialization.</p> <p>(5) For award of ranks in a Specialization, a minimum of 10 students should have appeared in the VIII semester examination.</p> <p><b>Illustration:</b></p> <p>(a) If 1228 students appeared for the VIII semester in Electronics and Communication Engineering Programme, the number of ranks to be awarded for Electronics and Communication Engineering shall be 10.</p> <p>(b) If 90 students appeared for the VIII semester in Biomedical Engineering, the number of ranks to be awarded for Biomedical Engineering will be 09.</p> <p>(6) In case of fractional number of ranks, it is rounded to higher integer only when the first decimal place is greater than or equal to 5.</p>



<b>18OB13.3</b>	Ranks shall be awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA. If it is not resolved even at this stage, the number of times a student has obtained higher grades like S, A, B etc., shall be taken into account to decide the order of the rank.
<b>18OB14.0</b>	<b>Transfer of students</b>
<b>18OB14.1</b>	<p>(a) (i) Transfer of students from one VTU affiliated non – autonomous college to another VTU non – autonomous affiliated college 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 with the approval of the Registrar, VTU subject to the provision 18OB10.3.</p> <p>(ii) The students seeking transfer as per 18OB14.1 (a) (i) shall have to obtain No Objection certificate for admission from the University and from both the colleges before the commencement of term as notified by VTU.</p> <p>(iii) Complete the Programme subject to the provision 18OB1.4.</p> <p>(b) Transfer of students from an autonomous to non – autonomous college, affiliated to VTU is permitted with the following conditions.</p> <p>(i) Transfer shall only be at the beginning of III and V semester B.E./B.Tech. Programme.</p> <p>(ii) No transfer shall be permitted to VII semester B.E./B.Tech. Programme.</p> <p>(iii) Students who are seeking transfer must have passed in all the Courses of the previous semesters.</p> <p>(iv) Obtain No Objection certificate for admission from the University and from both the colleges before commencement of term as notified by VTU.</p> <p>(v) Complete additional Course/s, if any, as per the decision of concerned Board of Studies on establishing the equivalence between two schemes. A Grade card shall be issued to that effect. Additional Course/s shall not be considered for the Eligibility criteria prescribed for promotion, calculation of SGPA and CGPA. However, a pass in the additional Courses, if any, is mandatory before the completion of Degree.</p> <p>(vi) Earn the credits decided by the University as per 18 OB 12.2.</p> <p>(vii) Complete the Programme subject to the provision 18OB1.4.</p>



	<p>(c) In the case of students seeking transfer from Universities other than VTU, the students must have passed in all the Courses of I and II semesters for admission to III semester and all the Courses of I to IV semesters for admission to V semester. No transfer shall be permitted to VII semester B.E./B.Tech. Programme of VTU from any other Universities.</p> <p>The students seeking admission from other Universities to VTU shall have to</p> <p>(i) Apply for establishment of equivalence with prescribed fees as notified by the VTU and obtain No Objection certificate for admission from the University before the commencement of term as notified by VTU.</p> <p>(ii) Produce No Objection certificate for admission from both the colleges before the commencement of term as notified by VTU.</p> <p>(iii) Complete additional Course/s, if any, as per the decision of concerned Board of Studies on establishing equivalence between two schemes. A Grade card shall be issued to that effect. Additional Course/s shall not be considered for the eligibility criterion prescribed for promotion, calculation of SGPA and CGPA. However, a pass in the additional Courses, if any, is mandatory before the completion of Degree.</p> <p>(iv) Earn the credits as decided by the University as per 18 OB 12.2.</p> <p>(v) Complete the Programme subject to the provision 18OB1.4.</p>
<b>18OB14.2</b>	Transfer of students within the College from one branch to another branch at the start of III semester shall be permitted with the approval of the Registrar, VTU subject to the provisions made by the appropriate authorities.
<b>18OB14.3</b>	The University may prescribe fee for administration purpose, 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).
<b>18OB15.0</b>	<b>Applicability and Power to Modify</b>
<b>18OB15.1</b>	The regulations governing the Degree of Bachelor of Engineering / Technology of Visvesvaraya Technological University shall be a binding on all concerned.
<b>18OB15.2</b>	<p>i) Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address any difficulty.</p> <p>ii) Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above.</p>


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Guru Nanak Dev Engg. College Bid





**GURU NANAK DEV ENGINEERING COLLEGE, BIDAR 585403**  
**Academic Council**  
**Circular**

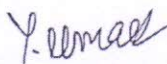
Date: 28.04.2023

**The CIE – 1 Time Table for VI Semester B.E 2018 Scheme is published here below**

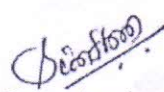
Sl. No	Date	Course Code	Time
1.	04.05.2023	18**61	10.00am to 11.30am
2.		18**62	3.00pm to 4.30pm
3.	05.05.2023	18**63	10.00am to 11.30am
4.	08.05.2023	18**64*	10.00am to 11.30am
5.		18**65*	3.00pm to 4.30pm

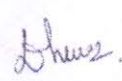
**The CIE – 3 Time Table for VIII Semester B.E 2018 Scheme is published here below**

Sl. No	Date	Course Code	Time
1.	08.05.2023	18**81	10.00am to 11.30am
2.	09.05.2023	18**82*	10.00am to 11.30am

  
Convener

  
Academic Coordinator

  
Dean Academics

  
Principal

To

1. All HODs (CV, MECH, EEE, ECE, CSE, ISE, AIML, ASH, MBA and Library)

Copy to:

2. Principal
3. Dean Academics
4. Academic Coordinator of the College
5. Dean Examination
6. Convener, Academic Council

  
**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar



# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

ಎಂ ಪಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ

## Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

**Dr. T.N. Sreenivasa**

BE, ME., PhD., FIE, CEng.

**Registrar (Evaluation)**

**Phone : (0831) 2498131**

**Fax : (0831) 2498184**

Ref.No/VTU/Exam/QPDS/2022-2023/ 1278

Date: 20 DEC 2022

### CIRCULAR

The draft layout time table of the University examinations to be held at the end of the odd semesters (Jan./Feb. 2023) of B.E./ B.Tech./ B.Arch. / B.Plan. / MCA / M.Tech. / M.Arch / MBA courses is published on the VTU Website <https://vtu.ac.in> , for the perusal and comments of all the people concerned.

The draft time table is in accordance with the Academic calendar issued by the Registrar, VTU.

The Principals of all the affiliated Engineering colleges are requested to arrange for the perusal/inspection of the time table for any overlap of examinations, especially in the case of students who are shifted from any old scheme to the new scheme. The same may be brought to the notice of the undersigned for correction. **Suggestions/comments are welcome, but positively on or before 27/12/2022.**

All the concerned people are therefore requested to go through the tentative time table and offer their suggestions. **Suggestions/Comments forwarded only through respective Principals will be considered.** Suggestions may be given through email at [qpds2@vtu.ac.in](mailto:qpds2@vtu.ac.in).

**Sd/-  
Registrar (Evaluation)**

To,

The Principals of all the affiliated engineering colleges and constituent engineering college.

**C.W.C. :**

1. The Hon'ble Vice Chancellor, through the Secretary to VC, VTU, Belagavi, for kind information.
2. The Registrar, VTU, Belagavi, for kind information.
3. The Regional Directors, R.O. Bengaluru /Belagavi /Kalaburagi /Mysuru, for kind information.
4. The Director, ITISMU, VTU Belagavi, for information and needful.

*(Signature)*

**Registrar (Evaluation)**

**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar



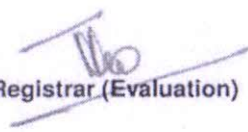
**Visvesvaraya Technological University, Belagavi**  
**Draft Time Table for Only Eligible Students of B.E./B.TECH. Examinations, Jan. / Feb. 2023**

Semester → Time → Date, Day ↓	2010 Scheme (CBCS)		2015 Scheme (CBCS)		2017 Scheme (CBCS)		2018 (CBCS)	
	VII Sem	VIII Sem	VII Sem	VIII Sem	VII Sem	VIII Sem	VII Sem	VIII Sem
	2.00pm to 5.00pm	2.00pm to 5.00pm	2.00pm to 5.00pm	2.00pm to 5.00pm	2.00pm to 5.00pm	2.00pm to 5.00pm	2.00pm to 5.00pm	2.00pm to 5.00pm
16/01/2023, Mon	10**71		15**71		17**71		18**71	
17/01/2023, Tue		10**81		15**81		17**81		18**81
18/01/2023, Wed								
19/01/2023, Thu	10**72		15**72		17**72		18**72	
20/01/2023, Fri		10**82		15**82		17**82		18**82*
21/01/2023, Sat								
	S	U	N	D	A	Y		
23/01/2023, Mon	10**73		15**73		17**73		18**73*	
24/01/2023, Tue		10**83*		15**83*		17**83*		
25/01/2023, Wed								
26/01/2023, Thu	R E	P U	B L	I C	D	A	Y	
27/01/2023, Fri	10**74		15**74/74*		17**74/74*		18**74*	
28/01/2023, Sat								
	S	U	N	D	A	Y		
30/01/2023, Mon		10**84*						
31/01/2023, Tue	10**75		15**75*		17**75*		18**75*	
01/02/2023, Wed								
02/02/2023, Thu								
03/2/2023, Fri	10**76		15**76*		17**76*			
04/02/2023, Sat								
	S	U	N	D	A	Y		
06/02/2023, Mon	10EVR77							

Note : The Practical Examinations to be conducted from 03/01/2023 to 13/01/2023 except holidays.



**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

  
Registrar (Evaluation)

# Visvesvaraya Technological University Belagavi

Time Table for B. E. Examinations Jan/Feb 2023


Electronics and Communication Engineering Department

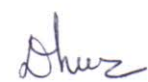
Scheme – 2018

Semester: III

Time: 2.00 pm to 5.00 pm

S. No.	Date & Day of Examination	Subject Title	Subject code
1	14/02/2023, TUE	CONSTITUTION OF INDIA, PROFESSIONAL ETHICS AND CYBER LAW	18CPC39
2	17/02/2023, FRI	TRANSFORM CALCULUS,FOURIER SERIES & NUMERICALS	18MAT31
3	22/02/2023, WED	NETWORK THEORY	18EC32
4	27/02/2023, MON	ELECTRONIC DEVICES	18EC33
5	02/03/2023, THU	DIGITAL SYSTEM DESIGN	18EC34
6	07/03/2023, TUE	COMPUTER ORGANIZATION & ARCHITECTURE	18EC35
7	10/03/2023, FRI	POWER ELECTRONICS & INSTRUMENTATION	18EC36
8	14/03/2023, TUE	ADDITIONAL MATHEMATICS-I	18MATDIP31

  
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BIDAR

  
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## GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

ACA/R / 46  
Rev : 00  
Date: 01.02.2016  
Test No: I  
Duration : 90 min

Department of ECE

CIE Question paper

Academic Year: 2022-2023

Semester: VI

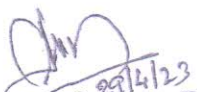
Section: A & B

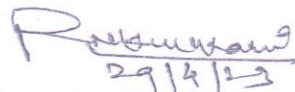
Subject: ES[18EC62]

Max. Marks: 50

NOTE: I...Answer any TWO full questions.

Question No	Question Statement	Blooms Taxonomy level	CO	Marks
Q1.(a)	Draw and explain briefly the block diagram(architecture) of ARM Cortex M3	L2	CO1	10
(b)	List the special registers available in ARM Cortex M3 and explain briefly.	L3	CO1	10
(c)	Explain general purpose registers available in ARM Cortex M3.	L3	CO1	10
OR				
Q2 (a)	Explain Thumb and Thumb-2 technology	L2	CO1	10
(b)	List and explain the features of built in NVIC.	L3	CO1	10
(c)	Explain the operation modes and privilege levels available in ARM Cortex M3 with neat transitions diagram.	L3	CO1	10
OR				
Q3(a)	a)Write the general form(basic syntax) of source line in assembly language.	L2	CO2	4
(b)	b)List the various methods used for moving data in ARM Cortex M3	L3	CO2	8
(c)	c)Analyze and explain the working of following instructions i)SUB & RSB ii)UMULL & UMLAL iii) AND & BIC	L4	CO2	8
OR				
Q4.(a)	Write the assembler directives and constants used in ARM Cortex M3	L2	CO2	4
(b)	List the Shift and Rotate instructions and explain with diagrams.	L3	CO2	8
(c)	Analyze the following instructions and write the contents of the register after execution of each instruction. Assume: R8=0x80000088 R9=0x00000006 R3=0x00001111 i)RSB.W R8,R9,#0x10 ii)ADD R8,R9,R3 iii)BIC.W R6,R8,#0x06 iv)ASR R9,R8,#4	L4	CO2	8

  
Signature of course Teacher with date 29/4/23

  
Signature of the course coordinator with date 29/4/23

  
Signature of HOD/ PAC with date 29/5/23

  
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Guru Nanak Dev Engg. College, Bidar

Koom No 213

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ಬೀದರ್ ಮೈಲರ ರಸ್ತೆ, ಬೀದರ್-೫೮೫೦೩.

**Guru Nanak Dev Engineering College**

BIDAR-585403. (Karnataka)

(Affiliated to Visvesvaraya Technological University, Belagavi)

Academic Year : 2021 -2022

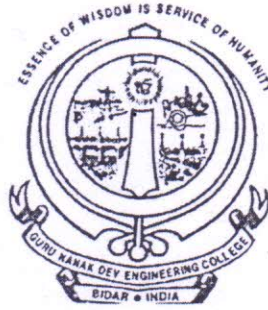
College Roll No.

Semester : ODD/EVEN

Univ. Seat. No.

3502118

3GN18EC004



Semester : 7<sup>th</sup>

ECE/A  
Branch / Section

ಒಳ ಅಂಕಗಳ ದಾಖಲೆ ಪುಸ್ತಕ

**CONTINUOUS INTERNAL EVALUATION**

Internal Assessment Record Book

**(CBCS SCHEME)**

Subject : Cryptography

Code : 18EC744

Name : Akshata Patil

To be Retained by the Department till one month from  
the date of announcement of the result by the University.

*Shau...*

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Guru Nanak Dev Engg. College, Bidar



ಗುರುನಾನಕ ದೇವ್ ಇಂಜಿನೀಯರಿಂಗ್ ಮಹಾವಿದ್ಯಾಲಯ  
ಬೀದರ ಮೈಲರ ರಸ್ತೆ, ಬೀದರ-೫೮೫೪೦೩.  
**Guru Nanak Dev Engineering College**  
BIDAR-585403. (Karnataka)

(Affiliated to Visvesvaraya Technological University, Belagavi)

Academic Year : 2021 -2022

Semester : ODD/EVEN

**CONTINUOUS INTERNAL EVALUATION**  
**INTERNAL ASSESSMENT RECORD BOOK**  
**(CBCS SCHEME)**

College Roll No.

Univ. Seat. No.

3502/118

3GN18EC004

Semester : 3<sup>th</sup>

ECE/A  
Branch / Section

Subject : Cryptography .

Code : 18EC744

Name : Akshata Patil

For the staff use only

Signature of the Student :  
Akshata

Sl. No. of the Tests	Date	Max. Marks	Marks Obtained	Max. Marks	Marks Obtained	Initials
I	18/11/21	50	47	30	28	L
II	22/12/21	50	48	30	29	L
III	25/01/22	50	45	30	27	L
Average (a)	31/01/22			30	28	L
Unit Test/ Assignment (b)	31/10/22			10	10	L
Total Marks (a+b)	28+10			40	38	L

Average Marks Awarded

38 Eight

(In words)

38

(In Number)

Signature with date

Teacher

H.O.D.

VTU Official

Shauz

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Guru Nanak Dev Engg. College, Bi



GURU NANAK DEV ENGINEERING COLLEGE

Examination Result Report - Academic Performance

IAT-I - Internal Assessment Test-I | 2021-2022 | 8 Semester | A

Summary of Marks

Name/Roll No.		18EC81	18EC821
		IA THEORY	IA THEORY
Maximum Marks		30	30
Class Average in %		69	60
BASAWA SAGAR BIRADAR	3GN17EC017	22	19
MAHALAXMI	3GN17EC027	20	6
SUPREET	3GN17EC063	19	16
ADITHYA SHEELWANT	3GN18EC001	24	24
AISHWARYA CHIDGUPP..	3GN18EC003	23	12
AKSHATA	3GN18EC004	28	19
AMEETH PARSHETTY .	3GN18EC006	22	22
AMMARA FIRDOUS .	3GN18EC007	11	12
ARCHANA	3GN18EC008	28	30
ASHA	3GN18EC009	29	23
BHAVYA	3GN18EC011	29	17

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# Visvesvaraya Technological University

IA / CIE Report Dec / Jan - 2023 Examination.

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Branch : EC

Scheme : 2018

Semester : 5

Sl NO.	USN	18ES51	18EC52	18EC53	18EC54	18EC55	18EC56	18ECL57	18ECL58	18CIV59	STUDENT SIGNATURE
1	3GN19EC001	0	0	0	0	0	0	0	0	00	
2	3GN19EC010	31	19	33	35	28	36	36	38	35	
3	3GN20EC001	33	36	27	23	30	30	37	37	37	
4	3GN20EC002	35	33	29	26	27	33	37	37	26	
5	3GN20EC003	34	35	29	31	40	38	39	39	40	
6	3GN20EC004	23	28	23	19	27	25	36	35	31	
7	3GN20EC006	36	30	30	26	30	37	38	38	38	
8	3GN20EC007	27	30	27	22	28	30	37	37	36	
9	3GN20EC008	33	34	32	33	31	36	36	37	38	
10	3GN20EC009	34	32	28	27	31	36	37	37	39	
11	3GN20EC010	35	31	28	19	27	35	35	35	34	
12	3GN20EC011	28	21	19	19	19	20	30	30	38	
13	3GN20EC012	37	37	36	26	34	39	39	39	40	
14	3GN20EC013	28	28	24	19	24	24	36	35	30	
15	3GN20EC014	33	20	22	19	20	22	32	33	38	
16	3GN20EC015	31	33	27	27	30	36	35	38	37	
17	3GN20EC016	31	33	27	27	30	36	35	38	39	
18	3GN20EC017	28	31	20	23	24	27	34	35	33	
19	3GN20EC018	37	35	33	25	31	37	37	38	35	
20	3GN20EC019	28	33	30	19	26	32	36	36	38	
21	3GN20EC020	29	34	25	25	31	35	39	39	35	
22	3GN20EC021	35	38	31	29	33	34	39	39	39	
23	3GN20EC022	29	30	30	19	30	31	37	38	38	
24	3GN20EC024	27	27	25	24	31	35	36	37	38	
25	3GN20EC025	31	38	34	26	33	38	39	39	33	
26	3GN20EC027	32	35	32	26	29	37	37	36	38	
27	3GN20EC028	26	21	22	19	24	31	32	31	39	
28	3GN20EC030	30	33	29	24	32	29	36	37	34	
29	3GN20EC031	37	37	33	32	34	37	39	39	35	
30	3GN20EC032	29	34	25	25	35	32	38	39	36	
31	3GN20EC033	35	35	27	31	33	35	35	26	29	
32	3GN20EC034	30	35	26	27	29	29	36	33	27	
33	3GN20EC035	24	23	21	22	33	29	34	36	34	
34	3GN20EC036	33	38	31	32	33	33	39	35	37	
35	3GN20EC037	32	39	28	34	32	30	39	38	37	
36	3GN20EC039	30	22	21	24	24	28	30	37	22	
37	3GN20EC040	27	28	22	28	30	29	37	38	34	
38	3GN20EC041	26	19	19	22	34	27	30	35	32	



	USN	18ES51	18EC52	18EC53	18EC54	18EC55	18EC56	18ECL57	18ECL58	18G1V59	SIGNATURE
39	3GN20EC042	29	37	30	33	36	36	39	38	36	Priyanka
40	3GN20EC043	34	27	20	26	24	31	34	38	33	Priyal
41	3GN20EC044	27	34	31	31	38	33	39	37	38	Priya
42	3GN20EC045	12	0	2	10	0	0	0	0	21	
43	3GN20EC046	28	33	24	27	27	28	34	36	39	Priya
44	3GN20EC047	33	28	29	32	33	37	37	38	40	Priya
45	3GN20EC048	30	30	28	32	33	33	35	37	39	Priya
46	3GN20EC049	36	26	24	35	36	37	36	39	31	Priya
47	3GN20EC050	20	19	19	24	19	26	35	34	35	Priya
48	3GN20EC051	32	36	31	31	37	32	39	38	27	Priya
49	3GN20EC054	35	33	25	31	29	33	38	36	38	Priya
50	3GN20EC055	25	23	19	27	24	21	38	36	39	Priya
51	3GN20EC056	40	30	28	36	34	40	39	39	39	Priya
52	3GN20EC057	33	27	25	26	36	36	38	37	33	Priya
53	3GN20EC058	22	24	22	22	19	23	35	36	40	Priya
54	3GN20EC059	36	20	19	31	32	33	33	36	33	Priya
55	3GN20EC060	35	25	24	26	29	35	39	39	30	Priya
56	3GN20EC061	28	30	28	29	31	36	39	38	39	Priya
57	3GN20EC062	26	23	30	32	31	33	35	37	25	Priya
58	3GN20EC063	28	28	24	23	29	31	36	35	33	Priya
59	3GN20EC064	35	26	25	34	35	35	36	39	35	Priya
60	3GN20EC065	31	27	21	25	26	27	37	36	39	Priya
61	3GN20EC066	32	27	21	26	27	30	39	38	38	Priya
62	3GN20EC067	26	23	23	26	23	24	34	35	28	Priya
63	3GN20EC068	31	24	24	33	24	27	35	34	35	Priya
64	3GN20EC069	32	31	27	37	36	38	38	39	39	Priya
65	3GN20EC070	40	34	32	35	39	37	39	39	38	Priya
66	3GN20EC071	30	33	26	35	38	35	39	38	40	Priya
67	3GN20EC072	33	31	27	39	38	35	39	38	35	Priya
68	3GN20EC074	20	19	19	19	19	3	29	21	25	Priya
69	3GN20EC075	22	23	22	26	21	21	37	30	24	Priya
70	3GN20EC076	38	29	30	32	31	37	37	37	24	Priya
71	3GN20EC079	30	27	28	29	27	29	35	34	29	Priya
72	3GN20EC080	29	32	35	33	36	37	39	38	37	Priya
73	3GN20EC081	33	26	27	27	28	37	39	39	34	Priya
74	3GN20EC082	39	32	33	37	36	37	39	39	38	Priya
75	3GN20EC083	25	24	25	29	22	28	35	38	35	Priya
76	3GN20EC084	32	29	25	31	30	30	39	38	29	Priya
77	3GN20EC085	31	26	23	27	25	27	34	36	30	Priya
78	3GN20EC086	30	24	26	33	27	31	34	35	30	Priya
79	3GN20EC087	31	28	27	27	31	31	35	34	29	Priya
80	3GN21EC400	27	23	28	28	22	36	36	37	23	Priya
-X-	Faculty Signature	SV/PT	SB/INK	UD/PT	PM/AG	UD/PT	PR/SM	SB	PR/SM	NT	-----

\* - values are either optional subjects or the faculty has not yet entered the marks

Head of HOD CE Dept.  
G.N.D. Seal and Signature  
BIDAR-585 403 (K)

PRINCIPAL  
Seal and Signature

PRINCIPAL



**GURU NANAK DEV ENGINEERING COLLEGE, BIDAR**  
**E & CE DEPARTMENT**

Academic Year: 2021-2022

Semester: VII (A/B)

**FINAL YEAR STUDENTS PROJECT**  
**INTERNAL ASSESSMENT MARKS FOR FINAL YEAR STUDENTS PROJECT WORK**  
**PHASE 1 (REVIEW-1)**

Group No: 1

Internal Guide: Prof.Ramesh Patil

Project Title: ML Driven Sorter – Alternate of Handpicking


Date of Evaluation: 11/11/2021


Max. Marks: 20

S. N.	USN	Student Name	Aspect for Assessment	Assessment By				Average Score (5, 6, 7 & 8)
				Chairman Marks	Member-1 Marks	Member-2 Marks	Internal guide Marks	
1	2	3	4					
1.	3GN17EC064	Syeda Khizra	(a) Literature survey (10)	10	10	10	10	10
			(b) Identification of real-world problem (10)	8	9	9	9	9
			Total Marks (20)	18	19	19	19	19
2.	3GN18EC049	Sneha P	(a) Literature survey (10)	10	9	10	10	10
			(b) Identification of real-world problem (10)	9	9	9	9	9
			Total Marks (20)	19	18	19	19	19
3.	3GN18EC051	Sudharani	(a) Literature survey (10)	8	8	8	8	8
			(b) Identification of real-world problem (10)	7	8	8	8	8
			Total Marks (20)	15	16	16	16	16

Signature & Date:  11/11  
Project coordinator

  
Chairman-DPC

 11/11/21  
Member - 1

 11/11/21  
Member - 2

 11/11/21  
Internal Guide

  
**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

**GURU NANAK DEV ENGINEERING COLLEGE, BIDAR**  
**E & CE DEPARTMENT**

Academic Year: 2021-2022

Semester: VII (A/B)

**FINAL YEAR STUDENTS PROJECT**  
**INTERNAL ASSESSMENT MARKS FOR FINAL YEAR STUDENTS PROJECT WORK**  
**PHASE 1 (REVIEW-2)**

Group No: 1


Project Title: ML Driven Sorter – Alternate of Handpicking

Date of Evaluation: 16/12/2021

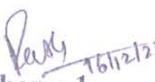
Internal Guide: Prof.Ramesh Patil

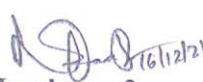
Max. Marks: 40

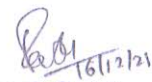
S. N.	USN	Student Name	Aspect for Assessment	Assessment By				Average Score (5, 6, 7 & 8)
				Chairman Marks	Member-1 Marks	Member-2 Marks	Internal guide Marks	
1	2	3	4					
1.	3GN17EC064	Syeda Khizra	(a) Awareness of different design methodologies (20)	18	18	18	18	18
			(b) Design of Analytical Models (20)	18	17	18	18	18
			Total Marks (40)	36	35	36	36	36
2.	3GN18EC049	Sneha P	(a) Awareness of different design methodologies (20)	20	19	19	19	19
			(b) Design of Analytical Models (20)	19	18	19	19	19
			Total Marks (40)	39	37	38	38	38
3.	3GN18EC051	Sudharani	(a) Awareness of different design methodologies (20)	15	15	15	15	15
			(b) Design of Analytical Models (20)	15	14	16	15	15
			Total Marks (40)	30	29	31	30	30

Signature & Date:  16/12/21 Project coordinator

 Chairman-DPC

 16/12/21 Member - 1

 16/12/21 Member - 2

 16/12/21 Internal Guide



**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar



**GURU NANAK DEV ENGINEERING COLLEGE, BIDAR  
E & CE DEPARTMENT**

Academic Year: 2021-2022

Semester: VII (A/B)

**FINAL YEAR STUDENTS PROJECT  
INTERNAL ASSESSMENT MARKS FOR FINAL YEAR STUDENTS PROJECT WORK  
PHASE 1 (REVIEW-3)**

Group No: 1

Internal Guide: Prof. Ramesh Patil

Project Title: ML Driven Sorter – Alternate of Handpicking

Date of Evaluation: 11/1/2022

Max. Marks: 40

S. N.	USN	Student Name	Aspect for Assessment	Assessment By				Average Score (5, 6, 7 & 8)
				Chairman Marks	Member-1 Marks	Member-2 Marks	Internal guide Marks	
1	2	3	4					
1.	3GN17EC064	Syeda Khizra	(a) Organization of Report (20)	18	18	17	19	17
			(b) Presentation (10)	08	07	09	08	9
			(c) Performance in group (Team work) (10)	08	09	09	09	9
			Total Marks (40)	34	34	35	36	35
2.	3GN18EC049	Sneha P	(a) Organization of Report (20)	19	19	19	19	19
			(b) Presentation (10)	09	10	10	10	10
			(c) Performance in group (Team work) (10)	09	09	09	10	9
			Total Marks (40)	37	38	38	39	38
3.	3GN18EC051	Sudharani	(a) Organization of Report (20)	18	19	18	19	18
			(b) Presentation (10)	09	08	08	09	9
			(c) Performance in group (Team work) (10)	09	08	08	09	9
			Total Marks (40)	36	35	34	37	36

Signature & Date:

  
Project coordinator

  
Chairman-DPC

  
PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

  
Member - 2

  
Internal Guide

**GURU NANAK DEV ENGINEERING COLLEGE, BIDAR**  
**E & CE DEPARTMENT**

Academic Year: 2021-2022

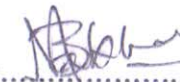
Semester: VII (A/B)

**FINAL YEAR STUDENTS PROJECT**  
**FINAL INTERNAL ASSESSMENT MARKS FOR FINAL YEAR STUDENTS PROJECT WORK**  
**PHASE 1**

S. N.	Group No.	USN	Name of Student	Internal Guide	Internal Assessment Marks During				
					ReviewI (20M)	ReviewII (40M)	ReviewIII (40M)	Total (100M)	Remarks
1	2	3	4	5	6	7	8	9	10
1.	1	3GN17EC064	Syeda Khizra T	Prof. Ramesh Patil	19	36	35	90	
2.		3GN18EC049	Sneha P		19	38	38	95	
3.		3GN18EC051	Sudharani		16	30	36	82	
4.	2	3GN18EC034	Rekha	Dr. Anuradha S	19	37	37	93	
5.		3GN18EC044	Shruti		19	37	38	94	
6.		3GN18EC058	Vaishnavi Sindol		19	38	39	96	

Date: 05/2/2022

  
**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

Signature:   
Head of Department







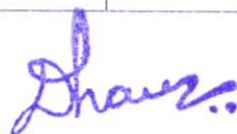
**GURU NANAK DEV ENGINEERING COLLEGE BIDAR**  
**ELECTONICS & COMMUNICATION ENGINEERING DEPARTMENT**

Academic Year: 2020-2021

Semester: VI (A)

MINI PROJECT CIE EVALUATION SHEET

GROUP NO	STUDENT NAME	USN	MINI PROJECT GUIDE	PROJECT REPORT(20)	PROJECT PRESENTATION (10)	Q&A SESSION(10)	TOTAL(40)	REMARKS
GROUP1	Adithya Sheelvant	3GN18EC001	Dr.Veerendra.D	19	10	9	38	
	Ameeth Parshetty	3GN18EC006		20	9	9	38	
	Gadgi Vishal	3GN18EC013		20	9	9	38	
	Kosgi Vinay Kumar	3GN18EC016		20	10	8	38	
GROUP2	Akshata Patil	3GN18EC004	Prof.Rajendra.K	20	7	7	34	
	Ammara Firdous	3GN18EC007		20	8	7	35	
	Bhavya	3GN18EC011		20	9	9	38	
GROUP3	Nagaraj Biradar	3GN18EC022	Dr.Premala.P	20	8	6	34	
	P Gowri	3GN18EC024		20	9	9	38	
	Mahima Starlin	3GN18EC018		20	9	9	38	
	Pallavi B	3GN18EC027		20	8	10	38	
GROUP4	Basavasagar B	3GN17EC017	Prof.Namratha.E	20	9	9	38	
	Mahalaxmi S	3GN17EC027		20	9	9	38	
	Supreet Paul	3GN17EC063		18	7	6	31	
	Shivkant Patil	3GN19EC404		18	9	7	34	




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Guru Nanak Dev Engg. College, Bidar

GROUP 5	Archana	3GN18EC008	Dr.Savita.S	20	8	7	35	8
	Asha	3GN18EC009		20	8	8	36	
	Kavya	3GN18EC015		20	10	8	38	
	Jyothika	3GN18EC014		20	10	8	38	
GROUP 6	Muzammil Basharath	3GN18EC021	Prof.Nitin.K	18	8	7	34	Nitin
	Divya	3GN18EC012		20	8	8	36	
	Pahuljeet Kaur	3GN18EC025		18	7	7	34	
	Md Afnan Musaib	3GN18EC019		18	6	6	32	
GROUP 7	Pooja	3GN18EC028	Prof.Shilpa.B	20	8	8	36	Shilpa
	Priyanka	3GN18EC029		20	10	8	38	
	Gopal	3GN19EC400		18	7	7	34	
	Md Azharuddin	3GN18EC020		18	7	7	34	
GROUP 8	Aishwarya Chidguppikar	3GN18EC003	Prof.Soni Mankari	20	10	8	38	Soni
	Humera Fatima	3GN19EC401		18	7	7	34	
	Pratiksha	3GN19EC402		20	7	7	34	
	Samreen Sultana	3GN19EC403		18	6	6	32	

Project Coordinators

  
**PRINCIPAL**  
 Guru Nanak Dev Engg. College, Bidar

  
 HOD (ECE)





# GURU ANAK DEV ENGINEERING COLLEGE, BIDAR

ACA/R / 34

Rev : 00

Date: 01.02.2016

Department of Electronics & Communication  
Engineering  
Seminar Evaluation sheet

Academic Year: 2021-22

Semester: VIII

Section: A

Sl. No	Univ. Seat No.	Name of the Student	Seminar title	Aspect for Assessment	Assessment by				Average Score (5, 6, 7 & 8)
					Chairman Marks	Member-1 Marks	Member-2 Marks	Internal Guide Marks	
1	2	3		4	5	6	7	8	9
4	3GN18EC001	ADITHYA S.	Neural Machine Translation	a) Literature Survey: Max. Marks: 40	40	39	40	39	40
				b) Topic Formulation: Max. Marks : 20	19	20	19	19	19
				c) Presentation of Seminar: Max. Marks:20	19	20	19	19	19
				d) Seminar Report: Max. Marks: 20	19	18	19	19	19
				Total Marks: 100	97	97	97	96	97

Signature & Date: 01/06/22

Chairman

Member - 1

Member - 2

Internal Guide

Principal  
Guru Nanak Dev Engg. College, Bidar

The screen shots of the online staff evaluation system are given below:

The screenshot shows the 'Admin Login' page of the 'STAFF EVALUATION SYSTEM' for GURU NANAK DEV ENGINEERING COLLEGE BIDAR. The page includes a header with the college's name, address (Malloor Road, Bidar - 585403, Karnataka), affiliations (Vignansarany Technological University, Bangalore; Approved by AICTE, New Delhi; ISO Certified Institute ISO 9001/2015), and logos. The login form has three input fields: 'Admin Username', 'Admin Password', and 'Admin Security', followed by a 'LOGIN' button. The browser address bar shows '10.10.20.71/StaffEvalStaff/'. The system clock at the bottom right indicates 3:51 PM on 1/3/2019.

Administrator Login process

The screenshot shows the 'STAFF EVALUATION SYSTEM' interface with two main sections. The 'Staff Registration' section on the left contains input fields for 'Enter Staff Name', 'Enter Staff Name with last name and initials', 'Staff of Physics', 'Staff of Chemistry', 'Staff of Mathematics', and 'Enter Subject Code', with a 'REGISTER' button at the bottom. The 'Print Results' section on the right has a 'Print Results' button, a 'Set Current Round' section with an 'UPDATE' button, and a 'SUBMIT' button. The footer text reads 'Designed and Developed by Web Development Cell, GNDEC Bidar'. The system clock at the bottom right indicates 3:51 PM on 1/3/2019.

Staff and subject registration

*Shaw*  
**PRINCIPAL**  
 Guru Nanak Dev Engg. College, Bidar

Guru Nanak Dev Engg. College, Bidar  
**PRINCIPAL**  
*Shaw*



Feedback Form (NVECE)

Not secure | 10.10.20.71/feedbackform/feedback1.html?data1=Mj=0;data2=OTg3NC&OA=

Affiliated to Vignansar Engineering Technological University, Bidar  
Approved by AICTE, New Delhi  
ISO Certified Institute ISO 9001/2015

## STAFF EVALUATION SYSTEM

### CVE Department

Academic Year: 2019-20  
Semester: 1  
Section: A  
Subject Code: CVE56  
Date of Feedback: 14/07/20  
Staff Name: PROF. PRAKASH P. PATIL  
Semester: 1  
Times: 19:00

10 Planning and Organizing	Excellent	Good	Fair	Poor
10.1 Teacher comes to the class on time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.2 Aims / Objectives are made clear to students in the beginning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.3 Teaching is well planned as per syllabus & time available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.4 Teacher is well prepared in the subjects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.5 Organizes the topics of syllabus in logical sequence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11 Presentation / Communication	Excellent	Good	Fair	Poor
11.1 Teacher speaks clearly and audibly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.2 Teacher writes and draws sketches legibly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.3 Teacher provides examples of concepts/principles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.4 Teacher pace & level of instructions are suited to the students	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.5 Teacher offers assistance & counseling to the needy students	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12 Student Participation	Excellent	Good	Fair	Poor

3:40 PM 3/5/2019

Staff evaluation form

Feedback Form (NVECE)

Not secure | 10.10.20.71/feedbackform/feedback1.html?data1=Mj=0;data2=OTg3NC&OA=

11.1 Teacher speaks clearly and audibly

11.2 Teacher writes and draws sketches legibly

11.3 Teacher provides examples of concepts/principles

11.4 Teacher pace & level of instructions are suited to the students

11.5 Teacher offers assistance & counseling to the needy students

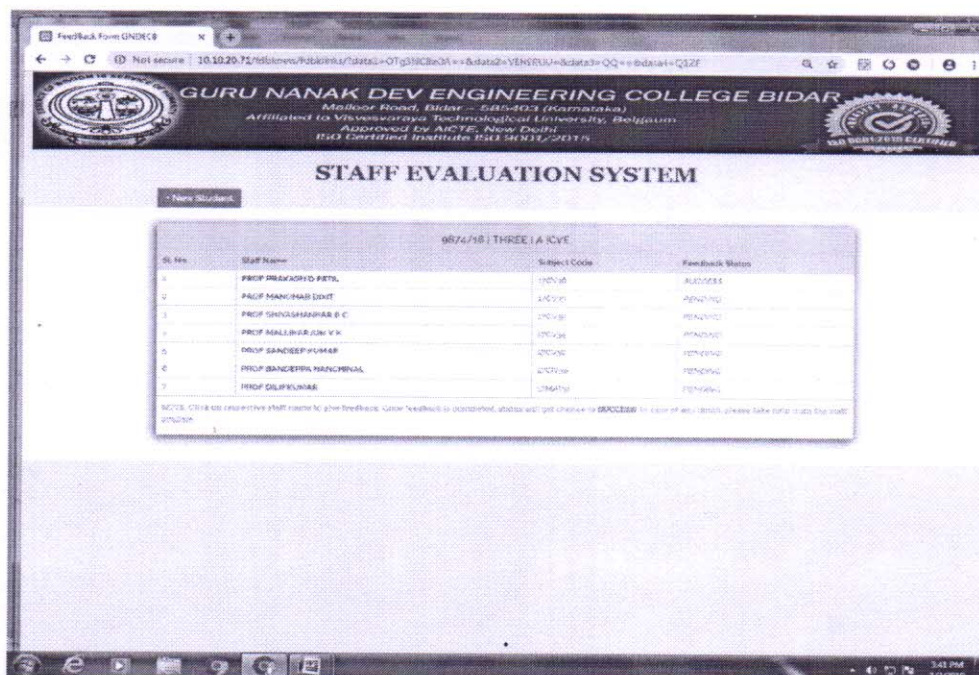
12 Student Participation	Excellent	Good	Fair	Poor
12.1 Teacher asks questions to promote interaction and effective thinking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.2 Teacher encourages questioning/raising doubts by students and answers them well	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.3 Teacher ensures learning activity and problem solving ability in class	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.4 Teacher encourages, complements and praises originality and creativity by the students	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.5 Teacher is courteous and impartial in dealing with students	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13 Class Management / Assessment of the students	Excellent	Good	Fair	Poor
13.1 Teacher engages students regularly and maintains discipline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.2 Teacher covers the syllabus completely at appropriate pace	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.3 Teacher balances syllabus for 3 unit tests as per time available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.4 Teacher evaluation of the class books is fair and impartial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.5 Teacher is prompt in evaluating & returning the answer scripts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SEND FEEDBACK

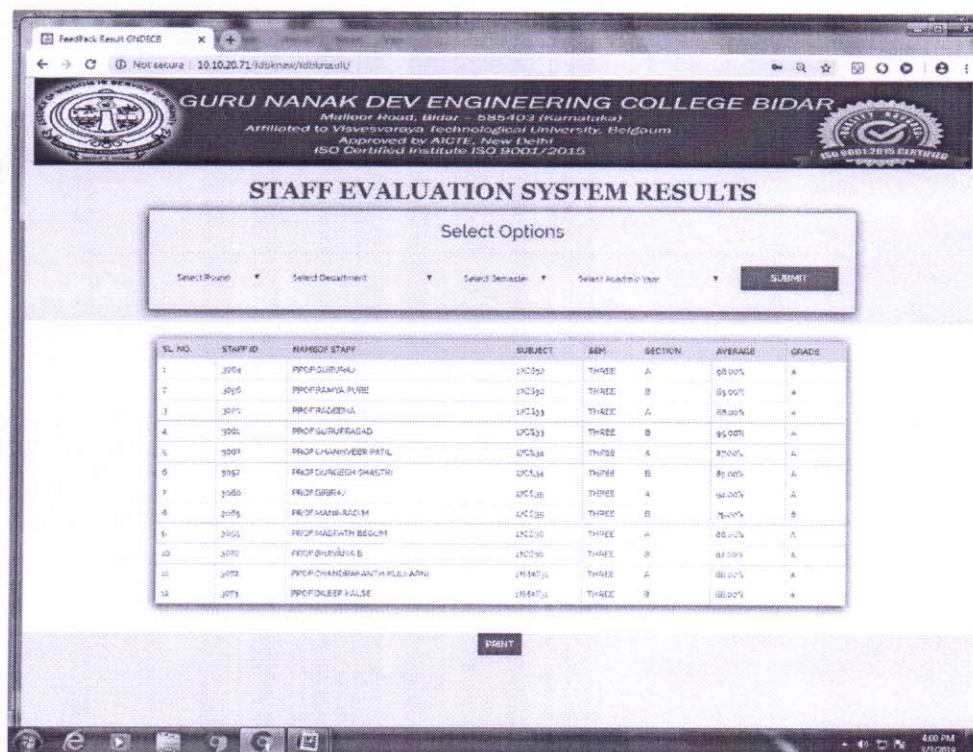
3:40 PM 3/5/2019

Staff evaluation form with submit button

*Shau...*  
PRINCIPAL  
Guru Nanak Dev Engg. College, Bidar



### Staff evaluation status

**Evaluated grades of the staff**

Thurs..

**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar




ACA/R/83  
Rev : 00  
Date:01.02.2016

**GURU NANAK DEV ENGINEERING COLLEGE, BIDAR**  
Department of Electronics and communication  
Engineering  
Student Feedback Report

Academic Year: 2021-2022  
Semester: VI  
Section: A & B

SL NO	NAME OF STAFF	SUBJECT WITH CODE	SECTION	MID SEM		END SEM	
				AVERAGE(%)	GRADE	AVERAGE(%)	GRADE
1	Prof. Shweta P	DIGITAL COMMUNICATION(18EC61)	A	95	A	96	A
2	Prof. Shilpa B	ARM MICROCONTROLLER & EMBEDDED SYSTEM(18EC62)		95	A	97	A
3	Dr. Kishan. S	MICROWAVE AND ANTENNA(18EC63)		92	A	92	A
4	Prof. Namratha E	OPERATING SYSTEM(18EC641)		98	A	96	A
5	Prof. Anil J	SUPPLY CHAIN MANAGEMENT(18ME653)		88	A	93	A
6	Prof. Anil K	INTRODUCTION TO DATA STRUCTURES AND ALGORITHMS (18CS652)		95	A	96	A
7	Puneet	REMOTE SENSING AND GIS (18CV651)		94	A	94	A
8	Dr. Md. Bakhar	DIGITAL COMMUNICATION(18EC61)	B	91	A	91	A
9	Prof. Rajendra K	ARM MICROCONTROLLER & EMBEDDED SYSTEM(18EC62)		91	A	90	A
10	Prof. Santosh Y	MICROWAVE AND ANTENNA(18EC63)		91	A	94	A
11	Prof. Pooja H	OPERATING SYSTEM(18EC641)		93	A	92	A

  
**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

  
**HOD**



**GURU NANAK DEV ENGINEERING COLLEGE BIDAR**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**ENGINEERING**

Academic year/Semester: 2021-22/IV/VI

Date: 09.07.22

**MID FEEDBACK ANALYSIS REPORT**

Sl no	Name of the Faculty	Suggestion from students	Action Required
	NIL	—	No action required

  
HOD

  
**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar

To,  
The Principal





**GURU NANAK DEV ENGINEERING COLLEGE BIDAR**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**ENGINEERING**

Academic year/Semester: 2021-22/ IV/VI

Date: 09.07.22

**ACTION TAKEN REPORT ON MID FEEDBACK ON TEACHING**  
**LEARNING PROCESS**

Sl no	Name of the Faculty	Action Required	HOD Remarks
	NIL	—	no action required

  
HOD

To,  
The Principal

  
**PRINCIPAL**  
Guru Nanak Dev Engg. College, Bidar



# GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Approved by AICTE New Delhi, Affiliated to VTU University Belagavi, ISO Certified 9001-2015

Ref:GNDECB/EST/Feedback/Even-Sem/2021-22/

Date: 06.09.22

## APPRECIATION CERTIFICATE

### Department of Electronics and Communication Engineering

The following faculties are appreciated for their commitment and dedication shown in teaching during EVEN Semester (Academic Year 2021-22) and congratulates to all of you for getting more than or equal to 90% by the students feedback. Accept our Sincere appreciation and thanks for excellent job you have done. We are sure you will work with same dedication in the future. Wishing you the best in future endeavours.

Sr. No.	Name of the faculty	Designation	Subject code	Grade	Sem	Section
1	Dr. Savita S	Assoc Prof	18EC42	91	IV	A
2	Prof. Pradeep K	Asst. Prof	18EC43	90	IV	A
3	Prof. Nitin K	Asst. Prof	18EC44	95	IV	A
4	Prof. Pooja B	Asst. Prof	KANNAD A	90	IV	A
5	Dr. Premala P	Assoc Prof	18EC42	90	IV	B
6	Prof. Pradeep K	Asst. Prof	18EC43	93	IV	B
7	Prof. Nitin K	Asst. Prof	18EC44	94	IV	B
8	Prof. Pavan M	Asst. Prof	18EC45	92	IV	B
9	Dr. Veerendra D	Assoc Prof	18EC46	91	IV	B
10	Prof. Pooja B	Asst. Prof	KANNAD A	90	IV	B
11	Prof. Shweta P	Asst. Prof	18EC61	96	VI	A
12	Prof. Shilpa B	Asst. Prof	18EC62	97	VI	A
13	Dr. Kishan. S	Assoc Prof	18EC63	92	VI	A
14	Prof. Namratha E	Asst. Prof	18EC641	96	VI	A
15	Prof. Anil J	Asst. Prof	18ME653	98	VI	A & B

**PRINCIPAL**

Guru Nanak Dev Engg. College, Bidar