

PROCEEDINGS OF JOINT BOARD OF STUDIES MEETING

Date: 4th November, 2022, Time: 11.00 AM,

Venue: Senate Hall, VTU, Belagavi

Members Present:

1. **Dr. S Vidyashankar**, Hon'ble Vice Chancellor, VTU, Belagavi
2. **Dr. Rangaswamy B.E.**, Registrar(I/c), VTU, Belagavi
3. **Dr. B Sadashive Gowda**, Dean Faculty of Engineering, VTU, Belagavi
4. **Dr. Anand V. Shivapur**, Member Senate, VTU Belagavi, Chairperson BoS in Civil Engineering Sciences, for all PG programs and University departments UG programs,
5. **Dr. S. A. Angadi**, Member Senate, VTU Belagavi, Chairperson, BoS in CSE/ISE for all UG programs of Constituent and affiliated colleges of VTU Belagavi
6. **Dr. M. S. Govinde Gowda**, Member Senate, VTU Belagavi, Chairperson BoS in Mechanical Engineering for all UG programs of Constituent and affiliated colleges,
7. **Dr. Nagashettappa Biradar**, Member Senate, VTU Belagavi, Chairperson BoS in Electronics and Communication Engineering (ECE/ETC) for UG programs of Constituent and affiliated colleges
8. **Dr. Vimala Swamy** Member, Senate, VTU Belagavi, Chairperson BOS in Architecture of VTU Belagavi,
9. **Dr. H. B. Balakrishna**, Member Senate, VTU Belagavi, Chairperson BoS in Civil Engineering (CV/TR/EV/CC) for all UG programs of Constituent and Affiliated Colleges of VTU Belagavi,
10. **Dr. Meghana Kulkarni**, Member Senate, VTU Belagavi, Chairperson BoS in Electrical Engineering Sciences, for PG programs and University departments UG programs,
11. **Dr. Suresh M.**, Member Senate, VTU Belagavi, Chairperson BOS in Basic Sciences and Humanities of VTU Belagavi,
12. **Dr. S. L. Deshpande**, Chairperson BoS in Computer Science & Engineering for all PG programs and University departments UG programs,
13. **Dr. M. M. Munshi**, Chairperson, Department of Management Studies, VTU Belagavi
14. **Dr. R. R. Malagi**, Chairperson BOS in Mechanical Engineering Sciences, for all PG programs and University Department UG programs,
15. **Dr. Gangadhara Rao** Chairperson BoS in Aeronautical Engineering (AE/AS) for UG programs of Constituent and affiliated colleges,
16. **Dr. Raju B. R.**, Chairperson BoS in Automobile Engineering (AU) for UG programs of Constituent and affiliated colleges,
17. **Dr. Krishna Prasad**, Chairperson BoS in Biotechnology for all UG programs of Constituent and affiliated colleges VTU Belagavi,

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18. **Dr. Kalleshappa Churi**, Chairperson BoS in Chemical Engineering (CH/Polymer Science) for all UG programs of Constituent and affiliated colleges.
19. **Dr. Basavaraj V. Madiggonda**, Chairperson BoS in Electrical & Electronics Engineering, for all UG programs of Constituent and affiliated colleges
20. **Dr. Dinesh Y. N.**, Chairperson BoS in Textile and Silk Technology of VTU Belagavi,
21. **Dr. Raviraj M. Kulkarni**, Chairperson BoS in Nano Science and Technology of VTU Belagavi,
22. **Dr. D. R. Swamy**, Chairperson BOS in Industrial & Production Engineering (IPE/IEM/MS) for all UG programs of Constituent and affiliated colleges of VTU, Belagavi
23. **Dr. H. N. Suresh**, Chairperson, BOS in Electronics and Instrumentation Engineering (EI/BM/ML) for all UG programs of Constituent and affiliated colleges,

Minutes:

Dr. Rangaswamy B.E. Registrar(I/c) welcomed Hon'ble Vice Chancellor, Dean and Chairpersons of all the Board of studies and briefed about the agenda. Dr. Rangaswamy B.E. Requested Hon'ble Vice Chancellor to address the members.

Hon'ble Vice Chancellor Dr. S. Vidyashankar once again welcomed the members and put forth the main purpose of the meeting. He informed member that an informal meeting was conducted on 14-10-2022 and also formal Joint Board of studies meeting on 19-10-2022 with the chairpersons of all the Boards of Studies. It has already been informed to the members that as per the request / directions of State Government, a few changes in syllabus in I year UG programmes are required to be carried out. The Higher Education Council conducted a meeting 12th October 2022 and Hon'ble Vice Chancellor along with Dean have attended the meeting. The Commissioner, Collegiate Education, Government of Karnataka and Vice Chairman of Karnataka State Higher Education Council have addressed in the meeting on the changes that are required to make Industry relevant curriculum.

Immediately after the Joint Board of studies meeting held on 19-10-2022, an expert committee to revamp the first year (1st and 2nd semesters) undergraduate curriculum such that it is industry relevant, futuristic, and choice-based to meet the aspirations of NEP-2020 was constituted. The Committee met on 20th October 2022 (Online mode) and on

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22nd October 2022 (offline mode) at VTU Regional Office, Mysuru at 11.30 am and deliberated on the matter. The proceedings of Expert Committee is given in Annexure I.

Hon'ble Vice Chancellor emphasised that teacher and student should go hand in hand and also the syllabus of VTU should be role model to other Technical Universities. The Undergraduate student should be ready to be absorbed by the industries. The University should work with the vision wherein there is progress of all stakeholders, namely, VTU, Colleges and Students. With this Hon'ble Vice Chancellor authorised the Dean to conduct the further proceedings.

S.No	Agenda & resolution
01	Approval of the Scheme designed by the Expert Committee and syllabus of the 1st and 2nd semester for the academic year 2022-23
	After detailed deliberations, the Scheme and syllabus of I and II semester to be offered from the academic year 2022-23 is recommended for approval as enclosed – Annx -II
02	Discussion and Approval of the question paper pattern for scheme 2022
	Deleted from the Agenda as there is no change in the question paper pattern
03	Approval of the Handbook for different courses of the 1st year UG programme
	The Chairpersons are informed to prepare the Handbook as per the requirement of the course and submit the same before the ensuing meeting of Academic Senate
04	Approval of the Regulations, scheme and syllabus of certificate Programs in " Art of Gardening and landscape"
	Recommended to Institute the certificate Programs in "Art of Gardening and landscape". However, this programme may be offered after approval of MOU between VTU and the College/Industry.
05	Approval to faculty to teach common courses as well as courses of other departments as requested by few colleges
	After deliberations, the following is recommended: a) The following courses may be taught by the Mechanical Engineering Faculty <ul style="list-style-type: none">• Operations Research• Research Methodology and IPR

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	<ul style="list-style-type: none">• Market Management• Innovation and Design Thinking• Biology for Engineers• Many of Ability Enhancement Courses• A few relevant courses of the MBA department <p>b) The following shall be taught by the Professional teachers only of the respective courses:</p> <ul style="list-style-type: none">• English courses• Kannada courses• Constitution of India and Professional Ethics <p>A reply accordingly may be sent to the applicant colleges.</p>
06	Approval of all PG programs schemes for the academic year 2022.
	Recommended for approval. However, Mechanical board is informed submit the Syllabus within one week.
07	Approval of admission eligibility criteria of Program and Scheme and Syllabus of M.Tech., in Nano Science & Technology regarding
	The BoS in NanoScience & Technology is informed to re-submit the Course -wise Academic Eligibility for M.Tech., in Nano Science & Technology, with respect to B.Sc.(Hons) and M.Sc graduates mentioning clearly about the different disciplines for eligibility.
08	Approval of Scheme, Syllabus and admission eligibility criteria of PG program M.Tech., in Electrical Vehicle Technology from academic year 2022-23
	Recommended for approval of a) The Institution of M.Tech. in Electrical Vehicle Technology b) Course Wise Eligibility "Bachelor's Degree in Electrical & Electronics Engineering/ Mechanical Engineering/ Automobile Engineering/ Mechatronics/Electronics & Communication Engineering/ Electronics & Telecommunication Engineering / Electronics and Instrumentation Engineering with a minimum of 50% in aggregate of all the semester; AMIE in appropriate branch, GATE/PGCET qualified

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	<p>c) Scheme and Syllabus of aforesaid programmes (Scheme 2022) with effect from the academic year 2022-23</p> <p>d) The Committee observed that, this programme is proposed to be offered only at VTU department at Belagavi. Hence, it is suggested to offer this programme at other VTU regional centres also.</p>
09	<p>Approval of Admission Eligibility Criteria, Scheme and Syllabus of MTech, program in Robotics and Mechatronics</p>
	<p>Recommended for approval of:</p> <p>a) The Institution of M.Tech. in Robotics and Mechatronics</p> <p>b) Course Wise Eligibility: Bachelor's degree in Engineering or Technology in Mechanical Engineering/Automobile Engineering/Industrial & Production Engineering/ Manufacturing Science & Engineering/ Automation & Robotics Engineering/Aeronautical Engineering/ Robotics Engineering/Mechatronics/ Electrical & Electronics Engineering/ Electronics & Communication Engineering/Tool Engineering/ Production Engineering/ Aeronautical Engineering/ Aerospace Engineering/ Electronics & Instrumentation Engineering/ Instrumentation Technology/ Mining Engineering/ Telecommunication Engineering/ Medical Electronics with a minimum of 50% in aggregate of all the semesters; AMIE in appropriate branch , GATE/PGCET qualified</p> <p>c) Scheme and Syllabus of aforesaid programmes (Scheme 2022) with effect from the academic year 2022-23</p>
10	<p>Approval of Admission Eligibility Criteria, Scheme and Syllabus of M.Tech., program in Robotics and Artificial Intelligence.</p>
	<p>Recommended for approval of:</p> <p>a) The Institution of M.Tech. in Robotics and Artificial Intelligence.</p> <p>b) Course Wise Eligibility: B. E./B.Tech in Mechanical Engineering/Aeronautical Engineering/ Automobile Engineering/ Industrial & Production Engineering/ Mechatronics Engineering/ Computer Science & Engineering/ Electrical and Electronics Engineering/ Electronics and</p>

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	<p>Communication Engineering/ Information Science & Engineering with a minimum of 50% in aggregate of all the semester; AMIE in appropriate branch, GATE/PGCET qualified</p> <p>c) Scheme and Syllabus of aforesaid programmes (Scheme 2022) with effect from the academic year 2022-23</p>				
11	<p>Approval of admission eligibility criteria, scheme, and syllabus of M. Plan program in Town and Country Planning</p> <p>Recommended for approval of :</p> <p>a) The Institution of M.Plan program in Town and Country Planning.</p> <p>b) Course wise eligibility: B.Plan or B.Arch or B.E / B.Tech. in Civil Engineering/ Building Technology/ Construction Technology/ Environmental Engineering or M.A/M.Sc (Geography) (as per the eligibility criteria specified from time to time) of VTU or any other recognized University / Institution.</p> <p>c) Scheme and Syllabus of aforesaid programmes (Scheme 2022) with effect from the academic year 2022-23</p>				
12	<p>Approval of amendment made in the regulation governing the UG programs of the university of scheme 2021</p> <p>The matter has been deliberated in detail. The Committee observed that</p> <p>a) The 2021-22 regular and 2022-23 lateral entry are the only two UG batches comes under 2021-22 regulation.</p> <p>b) Vertical progression of UG programmes has been relaxed for all batches admitted to 2010, 2015, 2017 and 2018 and new regulation for 2022-23 batches is going to be implemented.</p> <p>In light of the above, the following amendment is recommended</p>				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Existing</th> <th style="width: 50%; text-align: center;">Amended</th> </tr> </thead> <tbody> <tr> <td> <p>21OB14.0 Vertical Progression 21OB14.1 All the below clauses are subject to a maximum duration of eight (for Regular</p> </td> <td> <p>20OB14.0 Vertical Progression 21OB14.1 All the below clauses are subject to a maximum duration of eight (for Regular</p> </td> </tr> </tbody> </table>	Existing	Amended	<p>21OB14.0 Vertical Progression 21OB14.1 All the below clauses are subject to a maximum duration of eight (for Regular</p>	<p>20OB14.0 Vertical Progression 21OB14.1 All the below clauses are subject to a maximum duration of eight (for Regular</p>
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	<p>Students) / six years (for Lateral Entry Students) as applicable.</p> <p>1) In the case of students admitted to the first year:</p> <p>(a) Students have to fulfill the attendance and CIE requirement to appear for SEE of course/s of 1st year (refer to clause no. 21OB5.4)</p> <p>(b) Students having not more than four F grades in the 1st and 2nd semesters of the first year of the program shall be eligible to move to the 3rd semester (2nd year) of the program. These courses include courses marked as NE as per clause no. 21OB12.2 and 21OB10.1i</p> <p>(c) The students who fail to satisfy CIE and attendance requirement have to repeat the courses whenever offered next and become eligible for the 2nd year. (Refer to clause no. 21OB9.9 and 21OB5.1)</p> <p>2) Obtaining CIE: From the (3rd semester) second year onwards the student who obtains the required attendance for the course, but not the required CIE marks is allowed to move forward to the next semester. However, the student has to mandatorily obtain the required CIE in the subsequent semester. Obtaining minimum CIE marks for the course is</p>	<p>Students) / six years (for Lateral Entry Students) as applicable</p> <p>1) In the case of students admitted to the first year:</p> <p>(a) Students have to fulfill the attendance and CIE requirement to appear for SEE of course/s of 1st year (refer to clause no. 21OB5.4)</p> <p>(b) Carryover of backlog courses: From 1st semester onwards the student/s who obtains required attendance, CIE, and appears for university examinations but fails (F Grade) to pass a course/s is allowed to move forward to the next semester (odd/even) irrespective of a number of F grades. However, for the award of a degree, the student must pass all the courses as per applicable schemes and regulations and earn the prescribed credits. This is subject to a permitted maximum duration.</p> <p>(c) The student who fails to satisfy CIE and attendance requirement has to repeat the courses whenever offered next (refer to clause no. 21OB9.9 and 21OB5.1)</p> <p>c) The student is permitted to seek admission to the IV year (7th semester/8th semester) provided he/she passes all the courses of 1st and 2nd semesters.</p> <p>2) No change</p>

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	<p>mandatory. It may also be noted that the student shall not be permitted to appear for SEE in such courses until he/she obtains the required CIE (Refer to clause no.21OB9.9)</p> <p>3) Carryover of backlog courses: From 3rd semester onwards the student/s who obtains required attendance, CIE, and appears for university examinations but fails (F Grade) to pass a course/s is allowed to move forward to the next semester (odd /even) irrespective of a number of F grades. However, for the award of a degree, the student has to pass in all courses as per applicable scheme and regulations and earn the prescribed credits. This is subject to a permitted maximum duration. It may also be noted that the student will be given admission to the IV year (7th semester/8th semester) provided he/she passes all courses of 1st and 2nd semesters.</p> <p>4) From the second year onwards there shall be no restriction from promotion from an even to next odd semester (or odd to next even semester) even if the student has not satisfied the attendance requirement in one or more courses (including bridge courses for lateral entry students) shall not be eligible to appear for the Semester End Examination (SEE) of that course(s). The student shall be required to repeat that course whenever offered next.</p> <p>Permitted Maximum credits for registration: The student shall be permitted to register for total courses not exceeding 28 credits. These 28 credits include the courses of the regular semester and backlogs. The registration of these additional credits includes the courses</p>	<p>3) Deleted</p> <p>4) There shall be no restriction from promotion from an even to next odd semester (or odd to next even semester) even if the student has not satisfied the attendance requirement in one or more courses (including bridge courses for lateral entry students) shall not be eligible to appear for the Semester End Examination (SEE) of that course(s). The student shall be required to repeat that course whenever offered next</p> <p>Permitted Maximum credits for registration: The student shall be permitted to register for a total of courses not exceeding 30 credits. These 30 credits include the courses of the regular semester and backlogs. The registration of these additional credits</p>

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	having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the University from time to time.	includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the University from time to time.
13	For discussion and Suggestions of substitute options – If students are unable to get an opportunity for Industrial Internship –II and III as per the UG programs of the university of scheme 2021	
	As per the scheme of 2021 for all UG Engineering programs the students have to undergo internship as mentioned below-	
	Inter/Intra Institution Internship	03 weeks duration completed between II and III semester (02 credits)
	Innovation /Entrepreneurship/ Societal Internship	04 weeks duration completed between IV and V semesters (03 credits)
	Research /Industry Internship	24 weeks either in VII/VIII semester (15 credits)
	It is observed by the committee that:	
	1. Inter/Intra Institutional Internship – all the students will get the opportunity to complete as this internship will be conducted by the college within the campus.	
	2. However, for Innovation /Entrepreneurship /Societal Internships also, a few students may not get the opportunity to complete the internship due to backlogs, failure in a previous internship, or some other genuine reason.	
	3. For Industry /Research Internship – a few/many students may not get the opportunity/ slots to complete this internship – the reason being students' population is very high and at present opportunities are limited for both urban & rural located colleges.	
	After deliberation, it is recommended to constitute an expert committee to study and give report on the same.	
14	Consideration of conversion of CGPA formula with retrospective effect for admission to VTU PG programmes	
	After detailed deliberations, the following is recommended for approval:	
	1. To follow CGPA conversion formula	
	a) $(\text{CGPA earned} - 0.75) \times 10 = \text{Percentage of marks secured for batches admitted before 2021-22.}$	

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	<p>b) $(\text{CGPA earned}) \times 10 = \text{Percentage of marks secured for batches admitted from 2021-22 and onwards.}$</p> <p>c) To write a letter to Karnataka Examination Authority, Bengaluru to follow the conversion formula as per the VTU regulation i.e., $(\text{CGPA earned} - 0.75) \times 10 = \text{Percentage of marks secured}$</p> <p>d) In compliance of Hon'ble High Court orders in matters related to this issue, as a onetime measure, such admissions may be approved/ normalised.</p> <p>e) Further, considering Hon'ble High Court orders, to protect the interest of students, if Karnataka Examination Authority, Bengaluru allots any such candidate who has obtained 50% in aggregate as per the norms of degree awarding University, such admission may be approved.</p>

Enclosures:

- 1. Annx- I : Expert Committee Proceedings dated 220-10-2022**
- 2. Annx - II : Recommended Scheme & Syllabus for UG programmes to be offered for the academic year 2022-23**

DEAN FACULTY OF ENGINEERING

VICE CHANCELLOR

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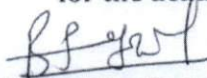
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e) Further, considering Hon'ble High Court orders, to protect the interest of students, if Karnataka Examination Authority, Bengaluru allots any such candidate who has obtained 50% in aggregate as per the norms of degree awarding University, such admission may be approved.

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