

A. J. Institute of Engineering and Technology Mangaluru



Approved by AICTE New Delhi, Affiliated to VTU Belagavi & Recognised by Govt. of Karnataka
(A unit of Laxmi Memorial Education Trust (R))

NH-66, Kottara Chowki, Mangaluru - 575 006. Ph : +91 824 2455048, 2862202 Mob.: +91 9483026503. Fax : +91 824 2862205
email : ajenggcollege@gmail.com | website : www.ajiet.edu.in

Ref No: AJIET/LET/6045/2021-22

Date: 20/01/2022

To,

Registrar
VTU, Belagavi

Respected Sir,

Sub: Feedback on the draft 2021 scheme of 3rd to 8th semester B.E Plan
Ref: VTU/BGM/BOS/A9/2020-21/5079

This is with reference to your email dated 10th Jan 2022 under the above subject matter, I, here with attached some of the suggestions received from our faculty through the HOD related to Civil Engineering UG Course.

Kindly do the needful.

Thanking You,


PRINCIPAL
Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT OF CIVIL ENGINEERING

SUGGESTIONS FOR THE IMPROVEMENT IN VTU 21 SCHEME

SI No	Semester	Course code	Course title	Suggestions
1	III	21CV32	Fluid Mechanics and Hydraulics	Fluid Mechanics and Hydraulics can be separate subjects in two different semesters as the syllabus will be vast.
2	IV	21XX482 (AEC-IV)	GIS with Quantum GIS	Remote sensing and GIS could be made under IPCC category so as to provide working knowledge of the subject. As there is lot of job opportunities in this field.
3	IV	21CV43	Public Health Engineering	The course title could be confined to either water treatment/sanitation/air pollution/noise pollution than having a general title.
4	VII/VIII	21CVP75	Project Work	The Project work could be extended to the eight semester by giving subject code and credit. This will enhance the outcome of the project as they would get sufficient time for the completion.

Suman.k
HOD

H.O.D.-Civil Engineering
A.J. Institute of Engineering & Technology
Mangaluru - 575 006, D.K., Karnataka

PRINCIPAL
Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಷಯ 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

Prof. Dr. B. E. Rangaswamy, Ph.D

Phone: (0831) 2498100

REGISTRAR

Fax: (0831) 2405467

REF: VTU/BGM/Aca/BoS/2023/1681

DATE: 3 JUL 2023

CIRCULAR

Subject: Feedback on Draft 3-8 semesters CSE and allied branches
Scheme of Teaching and Examination (2022) regarding...

The draft 3 to -8 semesters scheme of Teaching and Examinations of CSE and allied branches are uploaded on the university web portal for stakeholders' information and reference @ <https://vtu.ac.in/en/b-e-scheme-syllabus/> [serial number 06 to 21 under the heading of UG Scheme and Syllabus 3rd to 8th Semester (2022 Scheme)]. All the stakeholders are requested to refer to the scheme (2022) and send their FEEDBACK to srinaj.bh@vtu.ac.in

Sd/-
Registrar

To,

1. All the Principals of the Constituent Autonomous and Affiliated Colleges of Engineering under the ambit of the University

Copy to

1. To the Hon'ble Vice-Chancellor through the secretary to VC for information
2. The Registrar (Evaluation) for information
3. The Director (I/c) ITI SMU VTU Belagavi for information and make arrangements to upload it on the VTU web portal.
4. The chairpersons of the Board of Studies of VTU Belagavi for information
5. Office Copy

Roy KE
03/07/23
REGISTRAR
VC

Principal
A.J. Institute of Engineering & Technology
Mangaluru - 575 006



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ACCREDITED BY NBA (BE : CV, CSE, ECE, ISE & ME)

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email : ajenggcollege@gmail.com | website : www.ajiet.edu.in

Ref No: AJIET/LET/8383/2023-24

Date: 28.06.2023

To,
The Registrar (Evaluation)
Visvesvaraya Technological University
"Jnana Sangama",
Belagavi - 590018

Respected Sir,

Sub: Feedback on the draft 2022 scheme of 3rd to 8th semester B.E. Plan
Ref: VTU/BGM/Aca/BoS/2023/1280

With reference to your subject Circular received on 9th June 2023, kindly find attached list of suggestions received from the faculties of **Computer Science and Engineering** department.

Thanking you,

PRINCIPAL

Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006

Principal
A.J. Institute of Engineering & Technology
Mangaluru - 575 006



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NH-66, Kottara Chowki, Mangaluru, Karnataka 575006

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FEESBACK FOR NEP 21 SCHEME OF VTU FOR COMPUTER SCIENCE AND ENGINEERING BE PROGRAM

S.No.	Semester	Course Code	Course Title	Suggestions
1	III	21CSL35	Object Oriented Programming with JAVA	Suggested to include at least one theory/tutorial class on JAVA to proceed with Laboratories.
2	III	21XX38X	Ability Enhancement Course - III	Suggested to include Basics of Python Programming which might be useful for the students in the 4 th semester to proceed with laboratories
3	III	21XX38X	Ability Enhancement Course - III	Suggested to include Introduction to Unix Environment.
4	III	21XX38X	Ability Enhancement Course - III	Suggested to include Introduction to Unix Shell
5	III	21XX38X	Ability Enhancement Course - III	Suggested to include Introduction to Open-Source Tools and Software
	III	21CS384	Mastering Office	This is an excellent course especially for the students at the beginner level which will help them to learn the documentation, that helps them in preparing mini project report, internship report and final year projects.
6	IV	21CSL46	Python Programming Laboratory	Suggested to include at least one theory/tutorial class on Python Programming to proceed with Laboratories.
	IV	21BE45	Biology For Engineers	As the teaching department is mapped to BT, Physics & Chemistry, they may not be specialized to teach a concept that is related to Biology. Instead, it can be titled as "Applied science for Engineers" and while framing the syllabus, it will be good if specialized in topics like Semiconductor and Nano technology related concepts.

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FEESBACK FOR NEP 21 SCHEME OF VTU FOR COMPUTER SCIENCE AND ENGINEERING BE PROGRAM

7	IV	21XX48X	Ability Enhancement Course – IV	Suggested to include Introduction to HTML/Framework and PHP programming instead Unix Shell and PHP programming which might be useful for the students in the 5 th semester to carry-out DBMS mini projects.
8	V	21CS54	Artificial Intelligence and Machine Learning	It is too early for the students to learn AI & ML without prior knowledge of data mining. If the syllabus contents are very introductory levels, then suggested to include the basic practical experiments along with theory
9	VI	21CS61	Software Engineering and Project Management	Suggested to include the self-learning components for tools and software used for software engineering. It is also suggested to introduce this course either in the 3 rd semester or 4 th semester which might be helpful for the students to carry out the miniproject through Summer Internship course provided in 3 rd and 5 th semester respectively.
10	VI	21CS63	Computer Graphics and Visualization	With best of our knowledge and the consultation with senior faculty members, and alumni of our institute, the applications of this course is not used much in the current technology. And today, many tools and software are available with drag and drop option to make animations and gaming which does not require much algorithmic and coding knowledge. Therefore, suggested to include the courses like System Software or Compiler Design which might be help full for the students in construction of new programming language as well as new compilers or interpreters.

Principal
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FEESBACK FOR NEP 21 SCHEME OF VTU FOR COMPUTER SCIENCE AND ENGINEERING BE PROGRAM

				It is also suggested to include Introduction to User Interface Design course which might be helpful for the students to design UI models
11	VI	21CSL66	Computer Graphics and Visualization Laboratory	Suggested to include Introduction to Android Application Development with one hour theory/tutorial component and two-hour practical component. This may help to the students to develop the android application which might be useful for the society and nation.
12	VI	21XX68X	Ability Enhancement Course - V	Suggested to include Introduction to Node-js for backend support in web-based application development
13	VI	21XX68X	Ability Enhancement Course - V	Suggested to include Introduction to Django for developing web-based application
14	VI	21XX68X	Ability Enhancement Course - V	Suggested to include Introduction to Dart programming language along with Flutter SDK for developing web-based, android and iPhone supported applications.

These suggestions are provided by following faculty members

1. Prof. Basappa B Kodada, Associate Professor, Dept. of CSE
2. Prof. Sharon D'Souza, Asst. Professor, Dept. of CSE
3. Prof. Siju V Soman, Asst. Professor, Dept. of CSE

DR. ANTONY P J
(HEAD OF DEPARTMENT)

H.O.D. - Computer Science & Engineering
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangaluru - 575 006, D.K., Karnataka

DR. SHANTHARAMA RAI C
(PRINCIPAL)
Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006

Principal

A.J. Institute of Engineering & Technology
Mangaluru - 575 006



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Prof. Dr. B. E. Rangaswamy, Ph.D

Phone: (0831) 2498100

REGISTRAR

Fax: (0831) 2405467

REF: VTU/BGM/Aca/BoS/2023/1681

DATE: 3 JUL 2023

CIRCULAR

Subject: Feedback on Draft 3-8 semesters CSE and allied branches
Scheme of Teaching and Examination (2022) regarding...

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Sd/-
Registrar

To,

1. All the Principals of the Constituent Autonomous and Affiliated Colleges of Engineering under the ambit of the University

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Roy KE
03/07/23
REGISTRAR
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Date: 28.06.2023

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The Registrar (Evaluation)
Visvesvaraya Technological University
"Jnana Sangama",
Belagavi – 590018

Respected Sir,

Sub: Feedback on the draft 2022 scheme of 3rd to 8th semester B.E. Plan

Ref: VTU/BGM/Aca/BoS/2023/1280

With reference to your subject Circular received on 9th June 2023, kindly find attached list of suggestions received from the faculties of Information science and Engineering department.

Thanking you,

PRINCIPAL

Principal
Institute of Engineering & Technology
Mangaluru - 575 006

Principal
A.J. Institute of Engineering & Technology
Mangaluru - 575 006



Date: 16/06/2023

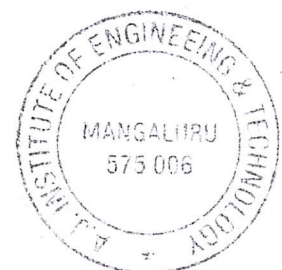
FEEDBACK ON THE DRAFT SCHEME

With the VTU reference Ref: VTU/BGM/Aca/BoS/2023/1280, the draft 2022 Scheme of 3rd to 8th Semester of CSE/ISE board of studies of VTU Belagavi. The department of ISE suggested to include the following suggestion may be incorporate.

Sl. No.	Semester	Course Code	Course Title	Suggestions
1	3	BIS306A & BIS306B	Engineering Science Course	<ul style="list-style-type: none">• Suggested to few different domains courses rather than covering the courses with same domain.• Suggested to fill relevant courses under BIS306C BIS306D• In the 4th Semester IPCC Course with course code BIS402 titled with advanced JAVA is introduced but if the students has not chosen BIS306A(OOPS with JAVA) there will be GAP in basic understanding of the course.
2	3	BIS302	Digital design and Computer Organization	<ul style="list-style-type: none">• Suggested to focus more depth on logic design concept under digital design course.• CO syllabus should go in line with Computer network course.
3	4	BBOK407	Biology for Engineers (Information Technology in Biology)	<ul style="list-style-type: none">• All modules of course content should be related to Information technology.
4	5	BIS602	Machine Learning	<ul style="list-style-type: none">• Prior to 6th Semester suggested to add any datamining related course.• Learning ML without the basic knowledge of data processing will be difficult.

Principal

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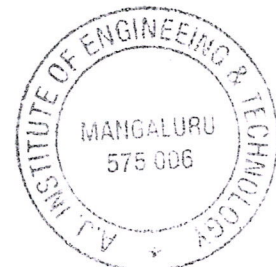
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AJIET

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

5	5	BIS501	Software engineering and project management	<ul style="list-style-type: none">Suggested to include self-learning components like open tools and software used for software engineering.
6	5	BIS86	Mini Project	<ul style="list-style-type: none">Suggested to include any Web related or User Interface design courses in lower semester which may help for the students implement mini project in better manner front end.
7	6	BIS657A	Mobile Application Development	<ul style="list-style-type: none">Suggested to include Mobile Application Development laboratory in the curriculum so that students will get better hands on experience.This may help to the students to develop the android applications which are useful for mankind and society.
8	6	BIS613x	Information Assurance and Security/Software Testing	<ul style="list-style-type: none">It is recommended to offer the above course which will help the students use state of the art in testing filed.
9	7	BIS703	Information and Network Security	<ul style="list-style-type: none">Only theory course is included. In the same semester Lab inclusion is suggested so that students will get practical knowledge on implementation data base concepts.Mini project can be added in 4th Semester instead of 5th Semester.
10	7	BIS701	Big Data Analytics	<ul style="list-style-type: none">Data analytics practical approach can be added.If the syllabus contents are very introductory levels, then suggested to include the basic practical experiments along with theory.

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

11	8	BIS801x	NPTEL	<ul style="list-style-type: none">• To List the course, such that students should be the Employer then employee.• More options can be provided to choose from different online platforms.• Clarification regarding mentioning of 3 hours theory lecture for NPTEL course.
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[Handwritten Signature]
16/6/23

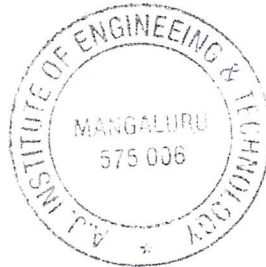
HOD

H.O.D.-Information Science & Engineering
A.J. Institute of Engineering & Technology
Mangaluru - 575 006, D.K., Karnataka

[Handwritten Signature]

Principal

Principal
A.J. Institute of Engineering & Technology
Mangaluru - 575 006



[Handwritten Signature]
Principal

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Ref No: AJIET/LET/6047/2021-22

Date: 20/01/2022

To,

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VTU, Belagavi

Respected Sir,

Sub: Feedback on the draft 2021 scheme of 3rd to 8th semester B.E Plan
Ref: VTU/BGM/BOS/A9/2020-21/5079

This is with reference to your email dated 10th Jan 2022 under the above subject matter, I here with attached some of the suggestions received from our faculty through the HOD related to Electronics and Communication Engineering UG Course.

Kindly do the needful.

Thanking You,

PRINCIPAL
Principal

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Mangaluru - 575 006



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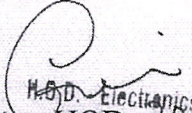
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Department of Electronics and Communication Engineering

Feedback on 2021 scheme

Sl. No.	Sem	Course Code	Course Title	Suggestions
1.	3	21ECL35	Analog and Digital Electronics	Digital Electronics lab need to be combined with Digital System Design with Verilog lab (21EC32)
2.	3	21EC33	Network Analysis & Control Systems	Concepts of both subjects will be difficult to understand.
3.	4	21EC43	Object Oriented Programming with Java & Python	Basic Python Programming Concepts are not taught in Lower semester
4.	6	21EC62	Advanced Signal Processing	Multi-Rate and adaptive signal Processing can be added


H.O.D. Electronics & Comm. Engineering
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