



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ 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)

"JnanaSangama" Belagavi-590018, Karnataka, India

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

Phone: (0831) 2498100
Fax : (0831) 2405467

REF: VTU/BGM/ACA/2023-24/ 2668

DATE: 25 AUG 2023

NOTIFICATION

- Subject:** Tentative Academic Calendar of 1st semesters of B.E./B.Tech./B.Arch./B.Plan., and VII semester of B.E./B.Tech., programs of University regarding...
- Reference:** Dean faculty of Engineering, VTU Belagavi approval dated 24.08.2023
Hon'ble Vice-Chancellor's approval dated: 24.08.2023

The tentative academic calendar concerned to 1st semesters of B.E./B.Tech./B.Arch./B.Plan., and VII semester of B.E./B.Tech., programs of University for academic year 2023-24 are hereby notified as mentioned below;

	I semester B.E./B.Tech (2022 scheme)	I semester B.Plan/B.Arch (2022 scheme)	VII semester B.E./B.Tech (2018 scheme)
Commencement of the Semester	04.09.2023	04.09.2023	14.08.2023
# Internship/Students Induction Program	04.09.2023 To 14.09.2023	04.09.2023 To 14.09.2023	14.08.2023 To 09.09.2023
Commencement of Classes	15.09.2023	15.09.2023	11.09.2023
Last Working day of the Semester	06.01.2024	06.01.2024	06.01.2024
Practical Examination	08.01.2024 To 19.01.2024	08.01.2024 To 19.01.2024	08.01.2024 To 19.01.2024
Theory Examinations	22.01.2024 To 17.02.2024	22.01.2024 To 17.02.2024	22.01.2024 To 09.02.2024
Commencement of NEXT Semester	19.02.2024	19.02.2024	13.02.2024

Internship for VI semester completed students and Students Induction Program for 1st semester Students

Please Note:

- The academic sessions for ODD semesters should commence on the **date mentioned above.**

**** Induction Program** shall be conducted for 11 days at the beginning of 1st semester and 10 days at the beginning of the 2nd semester. During the induction program, college has to brief about the new curriculum that implemented from the academic year 2022-23.

- If required, the college can plan to have extra classes on 1st and 3rd Saturday and Sundays to complete academic activities within the duration mentioned.
- The faculty/staff shall be available to undertake any work assigned by the university.
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.
- Academic Calendar is also applicable for **Autonomous Colleges**. If any changes are to be effected by Autonomous Colleges in the academic terms and examination schedule, they could do so with the approval of the University.
- The circular related to AICTE Activity point will be issued by the Registrar's office separately.
- If any suggestions/clarification/correction, please email to -sbhvtuso@yahoo.com

The Principals of Affiliated, Constituent and Autonomous Engineering Colleges, Chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

Sd/-

REGISTRAR

To,

1. The Principals of all affiliated/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
2. The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer Science and Engineering& Communication Electronics Engineering of the University.

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information.
3. The Regional Directors (I/c) of all the regional offices of VTU for circulation.
4. The Director I/c. ITI SMU, VTU Belagavi for information and to make arrangements to upload Academic Calendar on the VTU web portal.
5. The Director of Physical Education, VTU Belagavi for information
6. The Director, Central Placement Cell, VTU Belagavi for information
7. The Special Officer Library, VTU Belagavi for information
8. OS for information and make arrangements to send the circular regarding AICTE Activity Points
9. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi

Ry 25/08/23 BE
REGISTRAR
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ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

(ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ 1994 ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

Phone : 0831-2498100 / 240546

Fax : 0831-2405467

Email : registrar@vtu.ac.in

Web : https://vtu.ac.in

Reference:VTU/BOS/AC2023-24(EVEN)/6251

12 FEB 2024

NOTIFICATION

Subject: Tentative Academic Calendar for II sem B.E./B.Tech/B.Plan/B.Des/B.Arch, IV sem B.Arch./B.Plan., and VI sem of B.Arch/B.Plan, regarding...

Reference: Hon'ble Vice-Chancellor's approval Dated: 08.02.2024

The tentative academic calendar concerned with EVEN semesters of undergraduate programs(II sem B.E./B.Tech/B.Plan/B.Des/B.Arch, IV sem B.Arch./B.Plan., and VI sem of B.Arch/B.Plan)is attached to this notification for reference to all the stakeholders concerned.

The principals of non-autonomous, constituent, and autonomous engineering colleges and chairpersons of university departments are hereby informed to bring the academic calendar to the attention of all concerned.

If any suggestions/clarification/corrections, email-sbhalbhavi@vtu.ac.in

Sd/-

REGISTRAR

To,

1. The Principals of all Non-autonomous/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
2. The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer Science and Engineering& Communication Electronics Engineering of the University.

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information and needful.
3. The Regional Directors (I/c) of all the regional offices of VTU for circulation.
4. The Director ITI SMU, VTU Belagavi for information and to make arrangements to upload the Academic Calendar on the VTU web portal.
5. The Director of Physical Education, VTU Belagavi for information
6. The Director, Central Placement Cell, VTU Belagavi for information
7. The Special Officer Library, VTU Belagavi for information
8. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi.
9. Office copy

R 12/02/24 BE

REGISTRAR

7/10/24

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Academic Calendar for EVEN Semester of UG programs for the year 2023-24

	II semester B.E./B.Tech	II semester B.Plan/B.Arch/ B.Des	II semester B.Sc(Hons)	IV semester B.Arch.	IV semester B.Plan	VI Semester B.Arch.	VI semester B. Plan
Commencement of the Semester	06.03.2024	06.03.2024	04.03.2024	04.03.2024	04.03.2024	26.02.202	06.03.2024
Internship / Students Induction Program	---	---	---	---	---	---	---
Commencement of Classes	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	26.02.2024	06.03.2024
Last Working day of the Semester	29.06.2024	29.06.2024	29.06.2024	29.06.2024	29.06.2024	22.06.2024	29.06.2024
Practical Examination	01.07.2024 To 11.07.2024	01.07.2024 To 11.07.2024	01.07.2024 To 06.07.2024	01.07.2024 To 06.07.2024	01.07.2024 To 06.07.2024	25.07.2024 To 31.07.2024	01.07.2024 To 06.07.2024
Theory Examinations	15.07.2024 To 10.08.2024	15.07.2024 To 10.08.2024	08.07.2024 To 27.07.2024	08.07.2024 To 27.07.2024	08.07.2024 To 02.08.2024	08.07.2024 To 02.08.2024	08.07.2024 To 02.08.2024
Internship/ Practical Exam for Lateral Entry Students	---	---	---	---	03.08.2024 To 31.08.2024	---	03.08.2024 To 31.08.2024
Internship Viva Voce/ Project viva	---	---	---	---	---	---	---
Commencement of NEXT Semester	19.08.2024	19.08.2024	19.08.2024	05.08.2024	02.09.2024	05.08.2024	02.09.2024


REGISTRAR
 Visvesvaraya Technological University
 BELAGAVI.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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Phone : 0831-2498100 / 2405467

Fax : 0831-2405467

Email : registrar@vtu.ac.in

Web : https://vtu.ac.in

Reference: VTU/BOS/AC2023-24/6540

Dated:

27 FEB 2024

REVISED- NOTIFICATION

Subject: Tentative **Revised-Academic Calendar** for III and IV semesters B.E./B.Tech., programs, regarding...

Reference: VTU/BOS/AC2023-24(ODD)/5858, 24.01.2024
VTU/BOS/AC2023-24(EVEN)/6379, Dated: 19.02.2024
Hon'ble Vice-Chancellor's approval Dated: 27.02.2024

The tentative revised academic calendar concerned with III and IV semester B.E./B.Tech. programmes for the academic year 2023-24 is attached to this notification for reference to all the stakeholders concerned. (The previously published academic calendar VTU/BOS/AC2023-24/6379, dated February 19, 2024, stands cancelled.)

The principals of non-autonomous, constituent, and autonomous engineering colleges and chairpersons of university departments are hereby, informed to bring the **revised academic calendar** to the attention of all concerned.

If any suggestions/clarification/corrections, email-sbhvtuso@yahoo.com

Sd/-

REGISTRAR

To,

1. The Principals of all Non-autonomous/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
2. The chairperson/Program coordinators, of the university Departments at Belagavi, Bengaluru, Mysuru and Kalburgi

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information and needful.
3. The Regional Directors (I/c) of all the regional offices of VTU for circulation.
4. The Director ITI SMU, VTU Belagavi for information and to make arrangements to upload the Academic Calendar on the VTU web portal.
5. The Director of Physical Education, VTU Belagavi for information
6. The Director, Central Placement Cell, VTU Belagavi for information
7. The Special Officer Library, VTU Belagavi for information
8. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi.
9. Office copy

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27/2/24
REGISTRAR
7.

Tentative Revised-Academic Calendar for III and IV Semesters of B.E./B.Tech., programs for the year 2023-24

	Regular Admitted Students	Lateral Entry (Diploma Graduate) Students	Working Professional (Diploma Graduates)	Remarks (Only applicable for Students admitted under working professional Category)
Commencement of the 3 rd Semester	15.11.2023		12.02.2024	
Commencement of Classes	15.11.2023		12.02.2024	
Last Working day of the 3 rd Semester	09.03.2024		13.04.2024	Students have to complete Theory CIE only and Practical CIE and SEE examination.
Practical Examination (Regular Students)	30.03.2024 To 12.04.2024			
Theory Examinations	13.03.2024 To 27.03.2024			
Commencement of 4 th Semester	15.04.2024		15.04.2024	
Commencement of the 4 th Semester and class	15.04.2024			Students have to complete Theory SEE within 15 days at the beginning of the 4 th semester
Last Working day of the Semester	27.07.2024			
Practical Examination (Regular Students)	29.07.2024 to 07.08.2024			Common to all
Theory Examinations	08.08.2024 to 28.08.2024			Common to all
Practical Examinations (For Lateral Entry Students)	-----			
Commencement of 5 th Semester	02.09.2024			

Please Note:

- If required, the college can plan to have extra classes on 1st and 3rd Saturdays and Sundays to complete academic activities within the academic duration mentioned. For regular and lateral entry, students' academic activities should be conducted as per the academic calendar mentioned above.

- For students admitted under working professional quota
 - The college has to prepare a flexible timetable for the students admitted under the category of **working professionals** so that they can attend the classes. However, as per AICTE guidelines, 60% of the classes can be held in **OFFLINE** mode and 40% of the classes can be conducted in **ONLINE** mode.
 - If required, the college can plan to have extra classes on the 1st and 3rd Saturdays and Sundays to complete the academic activities of the students admitted under the working professionals' category within the academic duration mentioned.
 - The faculty handling the classes for working professionals has to maintain the attendance record properly and produce it whenever the university asks for it.
 - Working professionals admitted to Autonomous Colleges have to follow the scheme and syllabus of the Autonomous scheme.
 - Within the last working day, the students admitted under the working professional quota have to complete all **theory classes** and **CIE of all theory** classes. The College has to enter the CIE marks on the VTU examination portal.
 - Within the last working days, the college has to conduct **CIE and the SEE after completion of all practical sessions** for working professional. **(SEE will be conducted with two examiners from the same college only). The college has to enter both CIE and SEE marks on the VTU examination web portal.**
 - Marks entry on the VTU web portal should be completed by the **12th and 13th of April 2024**
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.
- Autonomous Colleges must adhere to the Academic Calendar as well. Any modifications to the academic terms and examination schedule that Autonomous Colleges choose to make can be made with the information to the University.
- The faculty/staff shall be available to undertake any work assigned by the university.
- If any suggestions/clarification please email-**sbhvtuso@yahoo.com**

The Principals of Non-Autonomous, Constituent, and Autonomous Engineering Colleges and chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

Rs _____ RE
 27/02/24
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ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

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"JnanaSangama" Belagavi-590018, Karnataka, India

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

Phone: (0831) 2498100
Fax : (0831) 2405467

REF: VTU/BGM/ACA/2023-24/ 3252

DATE: 30 SEP 2023

NOTIFICATION

- Subject:** Tentative Academic Calendar of 1st semester of B.Sc(Hons) program, 3rd and 5th semesters B.E./B.Tech. programs, 4th semester of MBA(IEV) program regarding...
- Reference:** Hon'ble Vice-Chancellor's approval dated: 30.09.2023

The tentative academic calendar concerned to 1st semester of B.Sc.(Hons) program, 3rd and 5th semesters B.E./B.Tech. programs, 4th semester of MBA(IEV) program for academic year 2023-24 are hereby notified as mentioned below;

	III semester B.E./B.Tech. (2022 scheme)	V semester B.E./ B.Tech. (2021 scheme)	I sem B.Sc(Hons)	IV semester MBA(IEV)*
Commencement of the Semester	25.10.2023	25.10.2023	03.10.2023	09.10.2023
Internship	----	25.10.2023 To 23.11.2023	---	----
Commencement of Classes	25.10.2023	25.11.2023	03.10.2023	09.10.2023
Last Working day of the Semester	10.02.2024	09.03.2024	25.01.2024	27.01.2024
Practical Examination/ Internship Viva Voce/ Project viva	12.02.2024 To 22.02.2024	11.03.2024 To 20.03.2024	29.01.2024 To 09.02.2024	01.02.2024 To 08.02.2024
Theory Examinations	26.02.2024 To 15.03.2024	22.03.2024 To 20.04.2024	12.02.2024 To 01.03.2024	
Commencement of NEXT Semester	18.03.2024	22.04.2024	04.03.2024	-----

*Students have to complete skill certification and Internship within this duration (09.10.2023 to 27.01.2024)

Please Note:

- The academic sessions for semesters should commence on the **date mentioned** above.
- If required, the college can plan to have extra classes on 1st and 3rd Saturday and Sundays to complete academic activities within the academic duration mentioned.
- The faculty/staff shall be available to undertake any work assigned by the university.
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.
- Academic Calendar is also applicable for **Autonomous Colleges**. If any changes are to be effected by Autonomous Colleges in the academic terms and examination schedule, they could do so with the approval of the University.
- If any suggestions/clarification/correction, please email to **-sbhvtuso@yahoo.com**

The Principals of Affiliated, Constituent and Autonomous Engineering Colleges, Chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

Sd/-
REGISTRAR

To,

1. The Principals of all affiliated/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
2. The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer Science and Engineering& Communication Electronics Engineering of the University.

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information.
3. The Regional Directors (I/c) of all the regional offices of VTU for circulation.
4. The Director ITI SMU, VTU Belagavi for information and to make arrangements to upload Academic Calendar on the VTU web portal.
5. The Director of Physical Education, VTU Belagavi for information
6. The Director, Central Placement Cell, VTU Belagavi for information
7. The Special Officer Library, VTU Belagavi for information
8. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi

Rax
30/09/13 BE
REGISTRAR
[Signature]



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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Fax : 0831-2405467

Email : registrar@vtu.ac.in

Web : https://vtu.ac.in

Ref. VTU/BOS/AC-PG-6th sem BE/2023-24/ 239

Dated: 15 APR 2024

NOTIFICATION

Subject: Tentative Academic Calendar of - IV semester MCA/M.Tech/M/Arch/M.Plan and VI semester B.E./B.Tech., programs academic calendar regarding...

Reference: 01. Dean faculty of Engineering approval dated 14.04.2024
02. The Hon'ble Vice-Chancellor's approval date: 15.04.2024

The tentative Academic Calendar of - IV semester MCA/M.Tech/M/Arch/M.Plan and VI semester B.E./B.Tech., programs are published as below:

	IV semester MCA	IV semester M.Tech.	IV Semester M.Arch.	IV Semester M.Plan.	VI semester B.E./ B.Tech.
Commencement of the Semester	22.04.2024	22.04.2024	22.04.2024	22.04.2024	29.04.2024
Commencement of Classes	22.04.2024	22.04.2024	22.04.2024	22.04.2024	29.04.2024
Last Working day of the Semester	27.07.2024	27.07.2024	27.07.2024	27.07.2024	31.07.2024
Practical / Viva- Examination/Inter nship Viva Voce	28.07.2024 To 29.07.2024				01.08.2024 To 10.08.2024
Theory Examinations	01.08.2024 To 23.08.2024	01.08.2024 To 23.08.2024	29.07.2024 To 02.08.2024	01.08.2024 To 23.08.2024	12.08.2024 To 14.09.2024
Project viva	Will be announced after the submission of the Thesis				---
Submission of the report to university	13.07.2024 To 27.07.2024	01.08.2024 To 20.08.2024	01.08.2024 To 10.08.2024	01.08.2024 To 10.08.2024	----
Commencement of NEXT Semester	---	---	---	---	## 23.09.2024

Commencement of the swapped VII/VIII semester. 50% strength of the students may take up an Internship (VIII sem) immediately after 14.09.2024 and the remaining 50% strength of the students may take up VII semester (23.09.2024)

The principals of all the colleges are hereby informed to bring the content of the NOTIFICATION to the notice of all concerned.

Sd/-

REGISTRAR

(Signature)

Please Note:

- If required, the college can plan to have extra classes on 1st and 3rd Saturdays and Sundays to complete academic activities within the academic duration mentioned.
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.
- The faculty/staff shall be available to undertake any work assigned by the university.
- If any suggestions/clarification please email-registrar@vtu.ac.in

To,

The Principals of all the Engineering Colleges under the ambit of the university
The Chairpersons/Program coordinators of the University Departments at Kalaburgi, Bengaluru,
Mysuru and Belagavi

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information and needful.
3. The Regional Directors (I/c) of all the regional offices of VTU for circulation.
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7. The Special Officer Library, VTU Belagavi for information
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9. Office copy

R. S. Srinivas
REGISTRAR
[Signature]



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Email : registrar@vtu.ac.in

Web : https://vtu.ac.in

Reference: VTU/BGM/AC /2023-24/6085

Dated: 2 FEB 2024

NOTIFICATION

Subject: Tentative Academic Calendar of VIII semester B.E./B.Tech./B.Arch/B.Plan programs regarding...

Reference: Dean Faculty of Engineering Approval Dated: 14.01.2024
The Hon'ble Vice Chancellor's approval dated: 14.01.2024

The Tentative academic calendar concerned to VIII semesters' of B.E./B.Tech./B.Arch/B.Plan programs for the academic year 2023-24 is hereby notified as follows;

	VIII semester B.E./B.Tech.,	VIII semester B. Plan	VIII semester B.Arch.
Commencement of the Semester	12.02.2024	26.02.2024	01.02.2024
Commencement of Classes	12.02.2024	26.02.2024	01.02.2024
Last Working Day of the Semester	11.05.2024	25.05.2024	25.05.2024
Practical Examination	-----	-----	27.05.2024 To 01.06.2024
Theory Examinations	13.05.2024 To 21.05.2024	03.06.2024 To 12.06.2024	03.06.2024 To 27.06.2024
Internship/Practical Exam for Lateral Entry Students	----	----	----
Internship Viva Voce/ Project viva	23.05.2024 To 30.05.2024	----	----
Commencement of NEXT Semester	----	----	----

Please Note:

- The academic sessions for semesters should commence on the **date mentioned** above.

- If required, the college can plan to have extra classes on the 1st and 3rd Saturdays and Sundays to complete academic activities within the academic duration mentioned.
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- If any suggestions/clarification please email to [-sbhalbhavi@vtu.ac.in](mailto:sbhalbhavi@vtu.ac.in)

The Principals of Non-Autonomous, Constituent, and Autonomous Engineering Colleges and chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

Sd/-

REGISTRAR

To,

1. The Principals of all Non-autonomous/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
2. The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer Science and Engineering & Communication Electronics Engineering of the University.

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9. Office copy

Re 02/02/24 B-E
REGISTRAR
7



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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Fax : 0831-2405467

Email : registrar@vtu.ac.in

Web : https://vtu.ac.in

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

REF: VTU/BGM/BoS/Academic Calendar/2023-24 604

DATE: 11 MAY 2024

Revised-NOTIFICATION

Subject: Revised-Tentative Academic Calendar of 1st semester of MCA/M.Tech/MBA/M.Arch /M.Plan./M.Sc. programs, regarding...
Reference: Hon'ble Vice-Chancellor's approval dated: 11.05.2024

The tentative academic calendar concerned to 1st semester of MCA/M.Tech/MBA/M.Arch /M.Plan/ M.Sc. programs, for the academic year 2023-24 are with this notified as mentioned below;

	I semester MCA/M.Tech/MBA /M.Arch/M.Plan/M.Sc Existing Dates	Revised Date	Remarks (If any)
Commencement of the Semester	12.02.2024	12.02.2024	
Commencement of Classes	12.02.2024	12.02.2024	
Last Working day of the Semester	25.05.2024	08.06.2024	
Practical Examination/ Internship Viva Voce/ Project viva	27.05.2024 To 31.05.2024	10.06.2024 To 15.06.2024	Not applicable to MBA
Theory Examinations	03.06.2024 To 20.06.2024	18.06.2024 To 05.07.2024	
Project/Internship	-----	08.07.2024 To 13.07.2024	Societal Project for MBA students
Commencement of NEXT Semester	25.06.2024	15.07.2024	

Please Note:

- The faculty/staff shall be available to undertake any work assigned by the university.
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.

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- Autonomous Colleges must adhere to the Academic Calendar as well. Any modifications to the academic terms and examination schedule that Autonomous Colleges choose to make can only be made with the University's concurrence.
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The Principals of Non-Autonomous, Constituent, and Autonomous Engineering Colleges and chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

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Ra 11/05/14 BE
REGISTRAR
7.



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

REF: VTU/BGM/BoS/Academic Calendar/2024-25 1573

DATE: - 8 JUL 2024

NOTIFICATION

Subject: Tentative Academic Calendar of 2nd semester of Post Graduate programs regarding...

Reference: Approval of Dean Faculty of Engineering dated: 02.07.2024
The approval Hon'ble Vice-Chancellor, dated 05.07.2024

The tentative academic calendar concerned the 2nd semester of Post Graduate programs for the academic year 2023-24 are with this notified as mentioned below;

	II semester MBA	II semester M. Tech.	II semester M. Arch	II Semester M. Plan	II semester MCA	II Semester M.Sc.
Commencement of the Semester	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024
Internship	----	----	----	----	----	----
Commencement of Classes	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024
Last Working day of the Semester	19.10.2024	19.10.2024	19.10.2024	19.10.2024	19.10.2024	19.10.2024
Practical / Viva-Examination	----	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024
Theory Examinations	22.10.2024 To 20.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024
Commencement of NEXT Semester	25.11.2024	25.11.2024	25.11.2024	25.11.2024	25.11.2024	25.11.2024

Please Note:

- The academic sessions for the aforementioned semesters should commence on the **date mentioned** above.
- If required, the college can plan extra classes on 1st and 3rd Saturdays and Sundays to complete academic activities within the duration mentioned.
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- If any suggestions/clarification please email-**registrar@vtu.ac.in**

The Principals of Non-Autonomous, Constituent, and Autonomous Engineering Colleges and chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

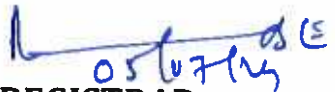

Sd/-
REGISTRAR

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REGISTRAR




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Email : registrar@vtu.ac.in

Web : https://vtu.ac.in

Reference: VTU/BOS/AC2023-24(EVEN)/6883

Dated: 26 MAR 2024

NOTIFICATION

Subject: Revised Academic Calendar for III semester MBA program, regarding...

Reference: VTU/BGM/Reg€/PS/2023-2024/1693, Dated: 13.03.2024

Hon'ble Vice-Chancellor's approval Dated: 25.04.2024

The revised academic calendar concerned with III semesters of MBA., programs for the academic year 2023-24 is attached to this notification for reference to all the stakeholders concerned.

The principals of non-autonomous, constituent, and autonomous engineering colleges and chairpersons of university departments are hereby informed to bring therevised academic calendar to the attention of all concerned.

If any suggestions/clarification/corrections, email-registrar@vtu.ac.in

Encl: Academic Calendar

Sd/-

REGISTRAR

To,

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Revised Academic Calendar for MBA III semester for AY 2023-24

-----	Existing	(Revised)
Commencement of the Semester	01.12.2023	01.12.2023
Internship	----	----
Commencement of Classes	01.12.2023	01.12.2023
Last Working Day of the Semester	13.03.2024	13.03.2024
Internship Viva- Examination	---	18.04.2024 To 22.04.2024
Theory Examinations	18.03.2024 To 17.04.2024	18.03.2024 To 17.04.2024
Project Work (Training)	18.04.2024 To 01.06.2024	23.04.2024 To 06.06.2024
Submission of the report to university		
Commencement of NEXT Semester	03.06.2024	10.06.2024

26/03/24 ASE
REGISTRAR
[Signature]



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Web : https://vtu.ac.in

REGISTRAR

REF: VTU/BGM/BoS/Academic Calendar/2023-24 1010

DATE: 04 JUN 2024

NOTIFICATION

Subject: Tentative Academic Calendar of 4th semester of MBA. programs, regarding...

Reference: Hon'ble Vice-Chancellor's approval dated: 04.06.2024

The tentative academic calendar concerned to the 4thsemester of MBA, for the academic year 2023-24 are with this notified as mentioned below;

Details	IV Semester MBA
Commencement of the Semester	10.06.2024
Internship / Students Induction Program	-----
Commencement of Classes	10.06.2024
Last Working day of the Semester	28.09.2024
Practical Examination	----
Theory Examinations	30.09.2024 To 06.11.2024
Internship/Practical Exam for Lateral Entry students	
Submission of the report to university	13.09.2024 To 28.09.2024
Commencement of NEXT Semester	----



Please Note:

- The academic sessions for EVEN semesters should commence on the **date mentioned** above.
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- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
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The Principals of Non-Autonomous, Constituent, and Autonomous Engineering Colleges and chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

Sd/-

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2. The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer Science and Engineering & Communication Electronics Engineering of the University.

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REGISTRAR



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

REF: VTU/BGM/BoS/Academic Calendar/2023-24 604

DATE: 11 MAY 2024

Revised-NOTIFICATION

Subject: Revised-Tentative Academic Calendar of 1st semester of MCA/M.Tech/MBA/M.Arch /M.Plan./M.Sc. programs, regarding...
Reference: Hon'ble Vice-Chancellor's approval dated: 11.05.2024

The tentative academic calendar concerned to 1st semester of MCA/M.Tech/MBA/M.Arch /M.Plan/ M.Sc. programs, for the academic year 2023-24 are with this notified as mentioned below;

	I semester MCA/M.Tech/MBA /M.Arch/M.Plan/M.Sc Existing Dates	Revised Date	Remarks (If any)
Commencement of the Semester	12.02.2024	12.02.2024	
Commencement of Classes	12.02.2024	12.02.2024	
Last Working day of the Semester	25.05.2024	08.06.2024	
Practical Examination/ Internship Viva Voce/ Project viva	27.05.2024 To 31.05.2024	10.06.2024 To 15.06.2024	Not applicable to MBA
Theory Examinations	03.06.2024 To 20.06.2024	18.06.2024 To 05.07.2024	
Project/Internship	-----	08.07.2024 To 13.07.2024	Societal Project for MBA students
Commencement of NEXT Semester	25.06.2024	15.07.2024	

Please Note:

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

REF: VTU/BGM/BoS/Academic Calendar/2024-25 1573

DATE: - 8 JUL 2024

NOTIFICATION

Subject: Tentative Academic Calendar of 2nd semester of Post Graduate programs regarding...

Reference: Approval of Dean Faculty of Engineering dated: 02.07.2024
The approval Hon'ble Vice-Chancellor, dated 05.07.2024

The tentative academic calendar concerned the 2nd semester of Post Graduate programs for the academic year 2023-24 are with this notified as mentioned below;

	II semester MBA	II semester M. Tech.	II semester M. Arch	II Semester M. Plan	II semester MCA	II Semester M.Sc.
Commencement of the Semester	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024
Internship	----	----	----	----	----	----
Commencement of Classes	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024
Last Working day of the Semester	19.10.2024	19.10.2024	19.10.2024	19.10.2024	19.10.2024	19.10.2024
Practical / Viva-Examination	----	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024
Theory Examinations	22.10.2024 To 20.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024
Commencement of NEXT Semester	25.11.2024	25.11.2024	25.11.2024	25.11.2024	25.11.2024	25.11.2024

Please Note:

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The Principals of Non-Autonomous, Constituent, and Autonomous Engineering Colleges and chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

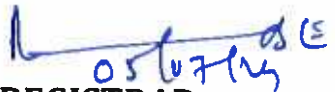

Sd/-
REGISTRAR

To,

1. The Principals of all Non-autonomous/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
2. The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer Science and Engineering& Communication Electronics Engineering of the University.

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9. Office copy


REGISTRAR




ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ 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)

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

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/BoS/Academic Calendar/2023-24 4307

DATE: 24 NOV 2023

NOTIFICATION

Subject: Tentative Academic Calendar of 3rd semester of MCA/M.Tech/MBA/M.Arch /M.Plan . programs, regarding...
Reference: Hon'ble Vice-Chancellor's approval dated: 24.11.2023

The tentative academic calendar concerned to 3rd semester of MCA/M.Tech/MBA/M.Arch /M.Plan programs, for academic year 2023-24 are hereby notified as mentioned below;

	III semester MCA	III semester M.Tech	III semester MBA	III semester M.Arch	III semester M.Plan
Commencement of the Semester	11.12.2023	11.12.2023	01.12.2023	11.12.2023	11.12.2023
Commencement of Classes	11.12.2023	11.12.2023	01.12.2023	11.12.2023	11.12.2023
Last Working day of the Semester	23.03.2024	23.03.2024	13.03.2024	23.03.2024	23.03.2024
Practical Examination/ Internship Viva Voce/ Project viva	25.03.2024 To 30.03.2024	25.03.2024 To 30.03.2024	----	----	27.03.2024 To 30.03.2024
Theory Examinations	01.04.2024 To 18.04.2024	01.04.2024 To 18.04.2024	18.03.2024 To 17.04.2024	01.04.2024 To 12.04.2024	01.04.2024 To 12.04.2024
Internship	----	----	18.04.2024 To 01.06.2024	----	----
Commencement of NEXT Semester	22.04.2024	22.04.2024	03.06.2024	22.04.2024	12.04.2024

Please Note:

- The academic sessions for semesters should commence on the **date mentioned** above.
- If required, the college can plan to have extra classes' on 1st and 3rd Saturday and Sundays to complete academic activities within the academic duration mentioned.

- The faculty/staff shall be available to undertake any work assigned by the university.
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.
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Raw 24/11/23 BE

REGISTRAR

24/11/23



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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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Phone : 0831-2498100 / 2405467

Fax : 0831-2405467

Email : registrar@vtu.ac.in

Web : https://vtu.ac.in

Ref. VTU/BOS/AC-PG-6th sem BE/2023-24/ 239

Dated: 15 APR 2024

NOTIFICATION

Subject: Tentative Academic Calendar of - IV semester MCA/M.Tech/M/Arch/M.Plan and VI semester B.E./B.Tech., programs academic calendar regarding...

Reference: 01. Dean faculty of Engineering approval dated 14.04.2024
02. The Hon'ble Vice-Chancellor's approval date: 15.04.2024

The tentative Academic Calendar of - IV semester MCA/M.Tech/M/Arch/M.Plan and VI semester B.E./B.Tech., programs are published as below:

	IV semester MCA	IV semester M.Tech.	IV Semester M.Arch.	IV Semester M.Plan.	VI semester B.E./ B.Tech.
Commencement of the Semester	22.04.2024	22.04.2024	22.04.2024	22.04.2024	29.04.2024
Commencement of Classes	22.04.2024	22.04.2024	22.04.2024	22.04.2024	29.04.2024
Last Working day of the Semester	27.07.2024	27.07.2024	27.07.2024	27.07.2024	31.07.2024
Practical / Viva- Examination/Inter nship Viva Voce	28.07.2024 To 29.07.2024				01.08.2024 To 10.08.2024
Theory Examinations	01.08.2024 To 23.08.2024	01.08.2024 To 23.08.2024	29.07.2024 To 02.08.2024	01.08.2024 To 23.08.2024	12.08.2024 To 14.09.2024
Project viva	Will be announced after the submission of the Thesis				---
Submission of the report to university	13.07.2024 To 27.07.2024	01.08.2024 To 20.08.2024	01.08.2024 To 10.08.2024	01.08.2024 To 10.08.2024	----
Commencement of NEXT Semester	---	---	---	---	## 23.09.2024

Commencement of the swapped VII/VIII semester. 50% strength of the students may take up an Internship (VIII sem) immediately after 14.09.2024 and the remaining 50% strength of the students may take up VII semester (23.09.2024)

The principals of all the colleges are hereby informed to bring the content of the NOTIFICATION to the notice of all concerned.

Sd/-

REGISTRAR

(Signature)

Please Note:

- If required, the college can plan to have extra classes on 1st and 3rd Saturdays and Sundays to complete academic activities within the academic duration mentioned.
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
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- If any suggestions/clarification please email-registrar@vtu.ac.in

To,

The Principals of all the Engineering Colleges under the ambit of the university
The Chairpersons/Program coordinators of the University Departments at Kalaburgi, Bengaluru,
Mysuru and Belagavi

Copy to.

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R. S. Srinivas
REGISTRAR
[Signature]



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

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Fax : 0831-2405467

Email : registrar@vtu.ac.in

Web : https://vtu.ac.in

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

REF: VTU/BGM/BoS/Academic Calendar/2024-25 1573

DATE: - 8 JUL 2024

NOTIFICATION

Subject: Tentative Academic Calendar of 2nd semester of Post Graduate programs regarding...

Reference: Approval of Dean Faculty of Engineering dated: 02.07.2024
The approval Hon'ble Vice-Chancellor, dated 05.07.2024

The tentative academic calendar concerned the 2nd semester of Post Graduate programs for the academic year 2023-24 are with this notified as mentioned below;

	II semester MBA	II semester M. Tech.	II semester M. Arch	II Semester M. Plan	II semester MCA	II Semester M.Sc.
Commencement of the Semester	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024
Internship	----	----	----	----	----	----
Commencement of Classes	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024	15.07.2024
Last Working day of the Semester	19.10.2024	19.10.2024	19.10.2024	19.10.2024	19.10.2024	19.10.2024
Practical / Viva-Examination	----	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024	21.10.2024 To 26.10.2024
Theory Examinations	22.10.2024 To 20.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024	28.10.2024 To 16.11.2024
Commencement of NEXT Semester	25.11.2024	25.11.2024	25.11.2024	25.11.2024	25.11.2024	25.11.2024

Please Note:

- The academic sessions for the aforementioned semesters should commence on the **date mentioned** above.
- If required, the college can plan extra classes on 1st and 3rd Saturdays and Sundays to complete academic activities within the duration mentioned.
- The faculty/staff shall be available to undertake any work assigned by the university.
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
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1/2

- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.
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- If any suggestions/clarification please email-**registrar@vtu.ac.in**

The Principals of Non-Autonomous, Constituent, and Autonomous Engineering Colleges and chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

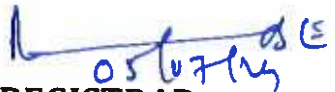

Sd/-
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REGISTRAR




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

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/BGM/BoS/Academic Calendar/2023-24 4307

DATE: 24 NOV 2023

NOTIFICATION

Subject: Tentative Academic Calendar of 3rd semester of MCA/M.Tech/MBA/M.Arch /M.Plan . programs, regarding...
Reference: Hon'ble Vice-Chancellor's approval dated: 24.11.2023

The tentative academic calendar concerned to 3rd semester of MCA/M.Tech/MBA/M.Arch /M.Plan programs, for academic year 2023-24 are hereby notified as mentioned below;

	III semester MCA	III semester M.Tech	III semester MBA	III semester M.Arch	III semester M.Plan
Commencement of the Semester	11.12.2023	11.12.2023	01.12.2023	11.12.2023	11.12.2023
Commencement of Classes	11.12.2023	11.12.2023	01.12.2023	11.12.2023	11.12.2023
Last Working day of the Semester	23.03.2024	23.03.2024	13.03.2024	23.03.2024	23.03.2024
Practical Examination/ Internship Viva Voce/ Project viva	25.03.2024 To 30.03.2024	25.03.2024 To 30.03.2024	----	----	27.03.2024 To 30.03.2024
Theory Examinations	01.04.2024 To 18.04.2024	01.04.2024 To 18.04.2024	18.03.2024 To 17.04.2024	01.04.2024 To 12.04.2024	01.04.2024 To 12.04.2024
Internship	----	----	18.04.2024 To 01.06.2024	----	----
Commencement of NEXT Semester	22.04.2024	22.04.2024	03.06.2024	22.04.2024	12.04.2024

Please Note:

- The academic sessions for semesters should commence on the **date mentioned** above.
- If required, the college can plan to have extra classes' on 1st and 3rd Saturday and Sundays to complete academic activities within the academic duration mentioned.

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Web : https://vtu.ac.in

Ref. VTU/BOS/AC-PG-6th sem BE/2023-24/ 239

Dated: 15 APR 2024

NOTIFICATION

Subject: Tentative Academic Calendar of - IV semester MCA/M.Tech/M/Arch/M.Plan and VI semester B.E./B.Tech., programs academic calendar regarding...

Reference: 01. Dean faculty of Engineering approval dated 14.04.2024
02. The Hon'ble Vice-Chancellor's approval date: 15.04.2024

The tentative Academic Calendar of - IV semester MCA/M.Tech/M/Arch/M.Plan and VI semester B.E./B.Tech., programs are published as below:

	IV semester MCA	IV semester M.Tech.	IV Semester M.Arch.	IV Semester M.Plan.	VI semester B.E./ B.Tech.
Commencement of the Semester	22.04.2024	22.04.2024	22.04.2024	22.04.2024	29.04.2024
Commencement of Classes	22.04.2024	22.04.2024	22.04.2024	22.04.2024	29.04.2024
Last Working day of the Semester	27.07.2024	27.07.2024	27.07.2024	27.07.2024	31.07.2024
Practical / Viva- Examination/Inter nship Viva Voce	28.07.2024 To 29.07.2024				01.08.2024 To 10.08.2024
Theory Examinations	01.08.2024 To 23.08.2024	01.08.2024 To 23.08.2024	29.07.2024 To 02.08.2024	01.08.2024 To 23.08.2024	12.08.2024 To 14.09.2024
Project viva	Will be announced after the submission of the Thesis				---
Submission of the report to university	13.07.2024 To 27.07.2024	01.08.2024 To 20.08.2024	01.08.2024 To 10.08.2024	01.08.2024 To 10.08.2024	----
Commencement of NEXT Semester	---	---	---	---	## 23.09.2024

Commencement of the swapped VII/VIII semester. 50% strength of the students may take up an Internship (VIII sem) immediately after 14.09.2024 and the remaining 50% strength of the students may take up VII semester (23.09.2024)

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Sd/-

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(Handwritten signature)

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

REF: VTU/BGM/BoS/Academic Calendar/2023-24 604

DATE: 11 MAY 2024

Revised-NOTIFICATION

Subject: Revised-Tentative Academic Calendar of 1st semester of MCA/M.Tech/MBA/M.Arch /M.Plan./M.Sc. programs, regarding...
Reference: Hon'ble Vice-Chancellor's approval dated: 11.05.2024

The tentative academic calendar concerned to 1st semester of MCA/M.Tech/MBA/M.Arch /M.Plan/ M.Sc. programs, for the academic year 2023-24 are with this notified as mentioned below;

	I semester MCA/M.Tech/MBA /M.Arch/M.Plan/M.Sc Existing Dates	Revised Date	Remarks (If any)
Commencement of the Semester	12.02.2024	12.02.2024	
Commencement of Classes	12.02.2024	12.02.2024	
Last Working day of the Semester	25.05.2024	08.06.2024	
Practical Examination/ Internship Viva Voce/ Project viva	27.05.2024 To 31.05.2024	10.06.2024 To 15.06.2024	Not applicable to MBA
Theory Examinations	03.06.2024 To 20.06.2024	18.06.2024 To 05.07.2024	
Project/Internship	-----	08.07.2024 To 13.07.2024	Societal Project for MBA students
Commencement of NEXT Semester	25.06.2024	15.07.2024	

Please Note:

- The faculty/staff shall be available to undertake any work assigned by the university.
- Notification regarding the Calendar of Events relating to the conduct of University **Examinations** will be issued by the Registrar (Evaluation) from time to time.
- Academic Calendar **may be modified** based on guidelines/directions issued in the future by UGC/AICTE/State Government.

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- Autonomous Colleges must adhere to the Academic Calendar as well. Any modifications to the academic terms and examination schedule that Autonomous Colleges choose to make can only be made with the University's concurrence.
- If any suggestions/clarification please email to -sbhalbhavi@vtu.ac.in

The Principals of Non-Autonomous, Constituent, and Autonomous Engineering Colleges and chairpersons of the University departments are hereby informed to bring the academic calendar to the notice of all concerned.

Sd/-
REGISTRAR

To,

1. The Principals of all Non-autonomous/ constituent /Autonomous Engineering Colleges under the ambit of VTU Belagavi.
2. The chairperson, of the Department of Mechanical Engineering /Civil Engineering /Computer Science and Engineering& Communication Electronics Engineering of the University.

Copy to.

1. To the Hon'ble Vice-Chancellor through the secretary to VC, VTU Belagavi for information
2. The Registrar (Evaluation), VTU Belagavi for information and needful.
3. The Regional Directors (I/c) of all the regional offices of VTU for circulation.
4. The Director ITI SMU, VTU Belagavi for information and to make arrangements to upload the Academic Calendar on the VTU web portal.
5. The Director of Physical Education, VTU Belagavi for information
6. The Director, Central Placement Cell, VTU Belagavi for information
7. The Special Officer Library, VTU Belagavi for information
8. All the concerned Special Officer/s and Caseworker/s of the academic section, VTU, Belagavi
9. Office copy

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REGISTRAR
7.



CHILDREN'S EDUCATION SOCIETY (Regd.)
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 (Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by A.I.C.T.E. New Delhi, Accredited by NAAC-A & NBA New Delhi and Recognised by UGC Under Section 2(f) Bommanahalli, Hosur Road, Bangalore –560068. ☎: 080 -30219601/602, Fax: 080 – 25730551/ 30219629 E-mail: engprincipal@theoxford.edu Web: www.theoxford.edu)

**DEPARTMENT OF AIML
 FOR UG BE – ODD SEMESTER
 COMMENCEMENT FROM 25-11-2023 to 16-03-2024**

Sl.No	Month	DAYS						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	sat		
1							25 (Wed)	1	25 th – Commencement of the Semester
2	Nov/Dec	27	28	29 (CA)	30(H)	1	2(H)	4	29 th – Club Activity 30 th – Kannakadasa Jayanthi
3	Dec	4	5	6 (CA)	7	8	9 (Thursday)	6	6 th – Club Activity
4	Dec	11	12	13 (CA)	14	15	16(H)	5	13 th – Club Activity
5	Dec	18	19	20 (CA)	21	22	23 (Friday)	5	20 th – Club Activity
6	Dec	25(H)	26	27 (CA)	28 (CIE 1)	29 (CIE 1)	30 (Monday) (CIE 1)	6	27 th – Club Activity 25 th Christmas 28- 30 CIE 1
7	Jan-24	1	2	3 (CA)	4	5	6(H)	5	3 rd – Club Activity
8	Jan	8	9	10 (CA)	11	12	13 (Tuesday)	5	10 th – Club Activity
9	Jan	15(H)	16	17 (CA) Cisco networking	18	19	20(H)	6	15 th - Makara Sankranti 17 th -- Cisco networking And Infrastructure
10	Jan	22	23 (OA)	24 (CA)	25	26(H)	27 (Wed)	4	24 th – Club Activity 23 rd - Samarthanam Trust for the disabled

11	Jan/Feb	29 (Power BI) (CIE-2)	30 (CIE-2)	31 (CA) (CIE-2)	1 (CIE-2)	2 (OA)	3(H)	5	31 st – Club Activity 26 th – Republic Day 2 rd Fostering Creativity and Collaboration
13	Feb	5	6	7 (CA)	8	9	10 (Thursday) (AI,ChatGPT)	6	7 th – Club Activity 10 th AI, Neural Network and ChatGPT - Hands-on
14	Feb	12	13	14 (CA)	15	16 Depths of AI and Machine Learning	17(H)	5	14 th – Club Activity 16 th Depths of AI and Machine Learning
15	Feb	19	20	21 (CA)	22	23 Insights and challenges of a Software Professional	24 (Friday)	6	21 st – Club Activity 23 rd Insights and challenges of a Software Professional
16	Feb/ Mar	26	27	28 (CA)	29	1 Cloud Computing	6(H)	5	28 th – Club Activity 1 st Cloud Computing - Research Perspective
17	Mar	4	5	6 (CA)	7	8(H)	9(Monday)	6	6 th – Club Activity
18	Mar	11 (CIE 3)	12 (CIE 3)	13 (CIE 3)	14 (CIE 3)	15	16 (LWD)	6	11- 16 CIE III


 HEAD OF THE DEPARTMENT
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TENTATIVE CALENDAR OF EVENTS FOR EVEN SEMESTER - 2023-24
FOR UG BE - 4TH SEMESTER

COMMENCEMENT FROM 22-04-2024 to 07-08-2024

Sl.No	Month	DAYS						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	April	22 (FWD)	23	24	25	26	27	6	22nd - First Working Day
2	April/May	29	30	1(II)	2	3	4 (II)	4	1st - May Day
3	May	6	7	8	9	10(II)	11	5	10th - Basava Jayanthi
4	June	13	14	15	16	17	18 (II)	5	
5	July	20	21	22	23	24	25	6	
6	May/June	27	28	29	30	31	1 (II)	5	
7	June	3	4	5	6	7	8	6	
8	June	10 (CIE-1)	11 (CIE-1)	12 (CIE-1)	13	14	15 (II)	5	10th to 12th CIE - 1
9	June	17 (II)	18	19	20	21	22 (PTM)	5	17th - Bakrid 22nd - PTM
10	June	24	25	26	27	28	29	6	
11	July	1	2	3	4	5	6 (II)	5	
12	July	8	9	10	11	12	13	6	
13	July	15	16	17 (II)	18	19	20 (II)	4	17th - Last Day of Moharam
14	July	22	23	24	25	26	27	6	
15	July/Aug	29 (CIE-2)	30 (CIE-2)	31 (CIE-2)	1	2	3 (II)	5	29th to 31st - CIE - 2
16	Aug	5	6	7 (LWD)	-	-	-	3	7th - Last Working Day
Commencement of Practicals from 08-08-2024 to 17-08-2024								82	
Commencement of Theory Exams from 19-08-2024 to 12-09-2024									
Commencement of next semester 16-09-2024									

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THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

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DEPARTMENT OF BIOTECHNOLOGY

Academic year: 2023-24 (EVEN)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	April/May	27 (FWD)	30	1(H)	2	3	4(H)	4	27th – FWD for 4 th Sem 27 th -DAC even
2	MAY	6	7	8	9	10	11	5	10 th Basava jayanthi 6 th to 16 th May- Value added course
3	MAY	12	13	14	15	16	17(H)	5	
4	MAY	20	21	22	23	24	25	6	22 nd may One day Workshop
5	MAY/JUNE	27	28	29	30	31	1(H)	5	28 th may industrial visit.
6	JUNE	3(CIE 1)	4 (CIE1)	5 (CIE 1)	6	7	8(PTM)	6	3 rd to 5 th CIE1 8 th -PTM
7	JUNE	10	11	12(H)	13	14	15(H)	5	13 th june one day workshop.
8	JUNE	17(H)	18	19	20	11(H)	12(H)	5	17 th -Bakrid
9	JUNE	24	25	26	27	28	29	6	
10	JULY	1	2	3(CIE 2)	4 (CIE2)	5 (CIE 2)	6(H)	5	3 rd to 5 th -CIE2
11	JULY	8	9	10	11	12	13	6	
12	JULY	15	16	17(H)	18	19	20(H)	4	17 th -Bakrid
13	JULY	22	23	24	25 (CIE 3)	26 (CIE 3)	27 (CIE 3)	6	25 th to 27 th -CIE-3
14	Nov	29	30	31(LWD)				3	31 st -last working day

HOD

DR. B.K MANJUNATHA

Professor & Head

Department of Biotechnology

The Oxford College of Engineering

Bengaluru-560 068.



THE OXFORD COLLEGE OF ENGINEERING

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DEPARTMENT OF BIOTECHNOLOGY

Academic year: 2023-24 (ODD)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	Aug	19 (FWD)	20	21	22	23	24	6	25 th – FWD for 4 th Sem 29 th – DAC Meeting
2	Aug	26	27	28	29	30	31	6	
3	sep	2	3	4	5	6	7(H)	5	7 TH vinayaka churthui
4	Sep9	10	11	12	13	14	6	6	
5	sep	16(H)	17	18	19	20	21(H)4	4	16 th eid milad
6	Sep	23	24	25	26	27	28	6	23 th – 28 th Value added course (VAC)
7	Sep/oct	30	1	2(H)	3	4	5(H)	4	2 nd gandhi jayanthi
8	oct	7	8	9	10	11(H)	12(H)	4	11 th auyudha pooja
9	oct	14	15	16	17(H)	18	19(H)	4	17 th valmiki jayanthi
10	oct	21(CIE 1)	22 (CIE2)	23 (CIE 3)	24	25	26	6	21-23 CIE 1
11	Oct/nov	28	29	30	31(H)	1(H)	2(H)	3	31 st naraka chaturdashi 1 st kannada rajyotsava 2 nd deepavali
12	Nov	4	5	6	7	8	9	6	
13	Nov	11	12	13	14	15	16(H)	5	
14	Nov	18(H)	19	20	21	22	23	5	18 th kanakadasa jayanthi
15	Dec	25	26	27	28	29	30	6	
16	Dec	2	3	4	5	6	7(H)	5	
17	Dec	9	10	11	12 (CIE 2)	13 (CIE 2)	14 (CIE 2)	6	12 TH . 13 TH , 14 TH CIE 2
18	Dec	16	17	18	19	20	21(LWD)	5	21 ST LWD


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DR. B.K. MANJUNATHA
 Professor & Head
 Department of Biotechnology
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DEPARTMENT OF CIVIL ENGINEERING

Academic year: 2023-24 (ODD)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	Aug	19 (FWD)	20	21	22	23	24	6	22 nd – FWD for 4 th Sem 27 th – DAC Meeting
2	Aug	26	27	28	29	30	31	6	
3	sep	2	3	4	5	6	7(H)	5	7 th vinayaka churthui
4	Sep9	10	11	12	13	14	6	6	
5	sep	16(H)	17	18	19	20	21(H)4	4	16 th eid milad
6	Sep	23	24	25	26	27	28	6	23 th – 28 th Value added course (VAC)
7	Sep/oct	30	1	2(H)	3	4	5(H)	4	2 nd gandhi jayanthi
8	oct	7	8	9	10	11(H)	12(H)	4	11 th auyudha pooja
9	oct	14	15	16	17(H)	18	19(H)	4	17 th valmiki jayanthi
10	oct	21(CIE 1)	22 (CIE2)	23 (CIE 3)	24	25	26	6	21-23 CIE 1
11	Oct/nov	28	29	30	31(H)	1(H)	2(H)	3	31 st naraka chaturdashi 1 st kannada rajyotsava 2 nd deepavali
12	Nov	4	5	6	7	8	9	6	
13	Nov	11	12	13	14	15	16(H)	5	
14	Nov	18(H)	19	20	21	22	23	5	18 th kanakadasa jayanthi
15	Dec	25	26	27	28	29	30	6	
16	Dec	2	3	4	5	6	7(H)	5	
17	Dec	9	10	11	12 (CIE 2)	13 (CIE 2)	14 (CIE 2)	6	12 th . 13 th , 14 th CIE 2
18	Dec	16	17	18	19	20	21(LWD)	5	21 st LWD


Head of the Department
 Department of Civil Engineering
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DEPARTMENT OF CIVIL ENGINEERING

Academic year: 2023-24 (EVEN)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	April	22 FWD	23	24	25	26 (H)	27 DAC	5	22 nd – FWD for 4 th Sem 27 th – DAC Meeting
2	April / May	29 FWD	30	1 (H)	2	3	4 (H)	4	1 st – May Day 29 th – FWD for 6 th sem
3	May	6	7	8	9	10 (H)	11 W	5	10 th – Basava Jayanthi 11 th – Workshop (W)
4	May	13	14	15 (OA)	16	17	18 (H)	5	15 th – Outreach Activity (OA)
5	May	20	21	22	23 CM	24	25 GL	6	23 rd – Class Committee Meeting 25 th – Guest Lecture (GL)
6	May/ June	27	28	29	30 DM	31	1 (H)	5	DM-Department meeting
7	June	3 CIE1	4 CIE1	5 CIE1	6	7	8 PTM	6	3 rd – 5 th – CIE 1 for 6 th Sem 8 th – PTM for CIE 1 for 6 th sem
8	June	10 CIE1	11 CIE1	12 CIE1	13	14	15 (H)	5	10 th – 12 th – CIE 1 for 4 th Sem
9	June	17 (H)	18	19	20	21	22 PTM W	5	17 th – Bakrid 22 nd – PTM for CIE 1 for 4 th Sem 22 nd - Workshop
10	June	24	25	26	27 GL	28 OA	29 CM	6	29 th – Class Committee Meeting 28 th – Outreach Activity (OA) 27 th – Guest Lecture (GL)
11	July	1	2	3 CIE2	4 CIE2	5 CIE2	6 (H)	5	3 rd – 5 th – CIE 2 for 6 th Sem
12	July	8	9	10	11 (SD)	12 (SD)	13 PTM	6	13 th PTM for CIE 2 for 6 th Sem 11 th & 12 th – Skill Development Programme (SD)
13	July	15	16	17 (H)	18	19 CM	20 (H)	4	17 th – Last day of Moharam 19 th – Class Committee Meeting
14	July	22	23	24	25 CIE3	26 CIE3	27 CIE3	6	25 th – 27 th – CIE 3 for 6 th Sem
15	July/Aug	29 CIE2	30 CIE2	31 CIE2 LWD	1	2 DM	3 (H)	5	29 th – 31 st – CIE 2 4 th Sem 31 st – LWD for 6 th Sem 2 nd - Demo Day (DM)
16	Aug	5	6	7 LWD PTM	-	-	-	3	7 th – LWD for 4 th Sem 7 th – PTM for 4 th & 6 th Sem



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DEPARTMENT OF CIVIL ENGINEERING

Academic year: 2023-24 (EVEN)

Department Academic Calendar

S.No	Activities	Target	Tentative Dates
1	Industrial Visit	1	July 2024
2	Outreach Activity	2	30/05/2024 28/06/2024
3	Skill Development Programme	1	11/07/2024 & 12/07/2024
4	Workshops	2	11/05/2024 22/06/2024
5	Guest Lecture	2	25/05/2024 27/06/2024
6	Demo Day / Poster Presentation	1	02/08/2024


Head of the Department
Department of Civil Engineering
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic year: 2023-24 (EVEN)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	April/May	27 (FWD)	30	1(H)	2	3	4(H)	4	27th – FWD for 4 th Sem 2 nd to 13 th May- Value added course 27 th -DAC even
2	MAY	6	7	8	9	10	11	5	10 th Basava jayanthi
3	JUNE	22	13	14	15	16	17(H)	5	
4	JULY	20	21	22	23	24	25	6	
5	MAY/JUNE	27	28	29	30	31	1(H)	5	
6	JUNE	3(CIE 1)	4 (CIE1)	5 (CIE 1)	6	7	8(PTM)	6	3 rd to 5 th CIE1 8 th -PTM
7	JUNE	10	11	12(H)	13	14	15(H)	5	
8	JUNE	17(H)	18	19	20	11(H)	12(H)	5	17 th -Bakrid
9	JUNE	24	25	26	27	28	29	6	
10	JULY	1	2	3(CIE 2)	4 (CIE2)	5 (CIE 2)	6(H)	5	3 rd to 5 th -CIE2
11	JULY	8	9	10	11	12	13	6	
12	JULY	15	16	17(H)	18	19	20(H)	4	17 th -Bakrid
13	JULY	22	23	24	25 (CIE 3)	26 (CIE 3)	27 (CIE 3)	6	25 th to 27 th -CIE-3
14	Nov	29	30	31(LWD)				3	31 st -last working day

ECE / HOD



THE OXFORD COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic year: 2023-24 (ODD)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	Aug	19 (FWD)	20	21	22	23	24	6	22 nd – FWD for 4 th Sem
2	Aug	26	27	28	29	30	31	6	
3	sep	2	3	4	5	6	7(H)	5	7 TH vinayaka churthui
4	Sep9	10	11	12	13	14	6	6	
5	sep	16(H)	17	18	19	20	21	4	16 th eid milad
6	Sep	23	24	25	26	27	28	6	
7	Sep/oct	30	1	2(H)	3	4	5(H)	4	2 nd ghandhi jayanthi
8	oct	7	8	9	10	11(H)	12(H)	4	11 tH and 12 th auyudha pooja
9	oct	14	15	16	17(H)	18	19(H)	4	17 th valmiki jayanthi
10	oct	21(CIE 1)	22 (CIE1)	23 (CIE 1)	24	25	26	6	21-23 CIE 1
11	Oct/nov	28	29	30	31(H)	1(H)	2(H)	3	31 st naraka chaturdashi 1 st kannada rajyotsava 2 nd deepavali
12	Nov	4	5	6	7	8	9	6	
13	Nov	11	12	13	14	15	16(H)	5	
14	Nov	18(H)	19	20	21	22	23	5	18 th kanakadasa jayanthi
15	Dec	25	26	27	28	29	30	6	
16	Dec	2	3	4	5	6	7(H)	5	
17	Dec	9	10	11	12 (CIE 2)	13 (CIE 2)	14 (CIE 2)	6	12 TH . 13 TH , 14 TH CIE 2
18	Dec	16	17	18	19	20	21(LWD)	5	21 ST LWD 20 th -DAC meeting

ECE / HOD



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic year: 2023-24 (EVEN)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	April	22 FWD	23	24	25	26 (H)	27 DAC	5	22 nd – FWD for 4 th Sem 27 th – DAC Meeting
2	April / May	29 FWD	30	1 (H)	2	3	4 (H)	4	1 st – May Day 29 th – FWD for 6 th sem
3	May	6	7	8	9	10 (H)	11 W	5	10 th – Basava Jayanthi 11 th – Workshop (W)
4	May	13	14	15 (OA)	16	17	18 (H)	5	15 th – Outreach Activity (OA)
5	May	20	21	22	23 CM	24	25 GL	6	23 rd – Class Committee Meeting 25 th – Guest Lecture (GL)
6	May/ June	27 VAC	28 VAC	29 VAC	30 VAC	31 VAC	1 (H)	5	27 th – 31 st Value added course (VAC)
7	June	3 CIE1	4 CIE1	5 CIE1	6	7	8 PTM	6	3 rd – 5 th – CIE 1 for 6 th Sem 8 th – PTM for CIE 1 for 6 th sem
8	June	10 CIE1	11 CIE1	12 CIE1	13	14	15 (H)	5	10 th – 12 th – CIE 1 for 4 th Sem
9	June	17 (H)	18	19	20	21	22 PTM W	5	17 th – Bakrid 22 nd – PTM for CIE 1 for 4 th Sem 22 nd - Workshop
10	June	24	25	26	27 GL	28 OA	29 CM	6	29 th – Class Committee Meeting 28 th – Outreach Activity (OA) 27 th – Guest Lecture (GL)
11	July	1	2	3 CIE2	4 CIE2	5 CIE2	6 (H)	5	3 rd – 5 th – CIE 2 for 6 th Sem
12	July	8	9	10	11 (SD)	12 (SD)	13 PTM	6	13 th PTM for CIE 2 for 6 th Sem 11 th & 12 th – Skill Development Programme (SD)
13	July	15	16	17 (H)	18	19 CM	20 (H)	4	17 th – Last day of Moharam 19 th – Class Committee Meeting
14	July	22	23	24	25 CIE3	26 CIE3	27 CIE3	6	25 th – 27 th – CIE 3 for 6 th Sem
15	July/Aug	29 CIE2	30 CIE2	31 CIE2 LWD	1	2 DM	3 (H)	5	29 th – 31 st – CIE 2 4 th Sem 31 st – LWD for 6 th Sem 2 nd - Demo Day (DM)



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic year: 2023-24 (EVEN)

Department Academic Calendar

16	Aug	5	6	7 LWD PTM	-	-	-	3	7 th – LWD for 4 th Sem 7 th – PTM for 4 th & 6 th Sem
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J/C
Devit
Professor & Head EEE
The Oxford College of Engg
Bommanahalli, Hosur Road
Bengaluru-560 068



CHILDREN'S EDUCATION SOCIETY (REGD.)

THE OXFORD COLLEGE OF ENGINEERING

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PG DEPARTMENT OF MBA & MCA

CALENDAR OF EVENTS FOR EVEN SEMESTER- 2023-24

FOR PG 2nd SEMESTER MBA PROGRAMME

Sl No	Month	Day						No. of working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	July	15(FWD)	16	17(H)	18	19	20(H)	4	First Working Day Last Day of Moharam Placement Training
2	July	22	23	24	25	26	27	6	Industrial Visit Placement Training
3	July/ Aug	29	30	31	1	2	3(H)	5	Industrial Visit Guest Lecture in Human Resource Management
4	August	5	6	7	8	9	10	6	Guest Lecture in Financial Management Visit to ISKCON
5	August	12	13	14	15(H)	16	17(H)	4	Independence Day Guest Lecture in Research Methodology And IPR Ramakrishna Ashram Visit
6	August	19	20 CIE 1	21 CIE 1	22 CIE 1	23 (Fest)	24 (Fest)	6	CIE- Test 1 Management Fest
7	August	26	27	28	29	30	31	6	Guest Lecture in operations Research Blood donation camp
8	Sep	2	3	4	5	6	7(H)	5	Varasiddhi Vinayaka Vratha Plastic-Free Futures: A Community Awareness Initiative
9	Sep	9	10	11	12	13	14	6	Guest Lecture in Strategic Management Orphanage Visit Entrepreneurship Mela
10	Sep	16(H)	17 CIE 2	18 CIE 2	19 CIE 2	20	21 (H)	4	Eid-Milad CIE- Test 2
11	Sep	23	24	25	26	27	28	6	Guest Lecture in Managerial Economics Health awareness camp
12	Sep/Oct	30	1	2(H)	3	4	5(H)	4	Gandhi Jayanthi Old Age Home visit
13	Oct	7	8	9	10	11(H)	12(H)	4	Ayudha Pooja Vijayadashami
14	Oct	14	15 CIE 3	16 CIE 3	17(H)	18 CIE 3	19(LWD)	4	Maharshi Valmiki Jayanthi CIE- Test 3

2 nd Semester VTU Theory Examinations	22.10.2024 To 20.11.2024
Commencement of 3 rd Semester	25.11.2024


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CALENDAR OF EVENTS FOR ODD SEMESTER – 2023-24
PG- 3rd SEMESTER MBA PROGRAMME

SL. No	Month	Day						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	December'23					1 (FWD)	2 (H)	1	First Working Day
2	December'23	4	5	6	7	8	9	6	
3	December'23	11	12	13	14	15	16 (H)	5	
4	December'23	18	19	20	21	22	23	6	
5	December'23	25 (H)	26	27	28	29	30	5	Christmas Guest Lecture - Finance Specialization
6	January' 24	1	2	3	4	5	6 (H)	5	
7	January' 24	8 (CIE1)	9 (CIE1)	10 (CIE1)	11	12	13 (PTM)	6	CIE Test-I
8	January' 24	15(H)	16	17	18	19	20 (H)	4	Makar Sankranti
9	January' 24	22	23	24	25	26(H)	27	5	Republic Day National Voter's day
10	Jan/Feb 24	29	30	31	1	2	3 (H)	5	Industrial Visit
11	February' 24	5	6	7	8 (CIE 2)	9 (CIE 2)	10 (CIE 2)	6	
12	February' 24	12	13	14	15	16 (PTM)	17 (H)	5	Union Budget – Student Presentation
13	February' 24	19	20	21	22	23	24	6	International Mother Language Day
14	Feb/March' 24	26	27	28	29	1	2 (H)	5	
15	March' 24	4	5	6 (CIE 3)	7 (CIE 3)	8 (H)	9 (CIE 3)	5	Maha Shivaratri
16	March' 24	11	12 (PTM)	13 (LWD)				3	Last working Day

VTU Theory Exam	18.03.2024 to 17.04.2024
Project work	18.04.2024 to 01.06.2024
Commencement of Even Semester	03.06.2024

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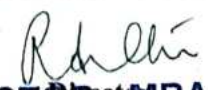
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CALENDAR OF EVENTS FOR ODD SEMESTER - 2023-24

PG - 1st SEMESTER MBA PROGRAMME

SL. No	Month	Day						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	February'24	12 (FWD)	13	14	15	16	17(H)	5	FWD-First Working Day
2	February'24	19	20	21	22	23	24	6	24- Mon TT,
3	February'24	26	27	28	29	1	2(H)	5	
4	Feb/ March'24	4	5	6	7	8(H)	9	5	09- Tues TT H- Maha Shivaratri
5	March'24	11	12	13 (CIE1)	14 (CIE1)	15 (CIE1)	16(H)	5	CIE- 1
6	March'24	18	19	20	21	22	23 (PTM)	6	23-Wed TT PTM-Parents Teachers Meeting
7	March'24	25	26	27	28	29(H)	30	5	30-Thu TT, H-Good Friday
8	April'24	1	2	3	4	5	6(H)	5	
9	April'24	8	9(H)	10	11(H)	12	13	4	13-Fri TT, H-Ugadi Festival H-E-Ramzan
10	April'24	15	16 (CIE2)	17 (CIE2)	18 (CIE2)	19	20(H)	5	CIE- 2
11	April'24	22	23	24	25	26	27 (PTM)	6	27-Mon TT PTM-Parents Teachers Meeting
12	April/ May'24	29	30	1(H)	2	3	4(H)	4	H-May Day
13	May'24	6	7	8	9	10(H)	11	5	11-Tue TT H- Basava Jayanthi
14	May'24	13	14	15	16	17	18(H)	5	
15	May'24	20	21	22	23	24	25	6	25-Wed TT
16	May/June'24	27	28	29	30	31	1(H)	5	H-Holiday
17	June'24	3 (CIE3)	4 (CIE3)	5 (CIE3)	6	7	8 (LWD)	5	CIE - 3 LWD-Last Working Day

VTU Theory Exam	18-06-24 To 05-07-24
Commencement of even semester	15-07-24


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CALENDAR OF EVENTS FOR EVEN SEMESTER – 2023-24
FOR PG - 4TH SEMESTER MBA PROGRAMME

Sl. No	Month	Day						No. of working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	June	10 (FWD)	11	12	13	14	15 (H)	5	First Working Day Orientation Program for 4 th Semester students
2	June	17 (H)	18	19	20	21	22	5	Bakrid;
3	June	24	25	26	27	28	29	5	International Yoga Day
4	July	1	2	3	4	5	6 (H)	6	
5	July	8	9	10	11	12	13	5	5 day Virtual Workshop International Anti-Drugs Day Webinar on "International Business"
6	July	15	16 CIE 1	17 (H)	18 CIE 1	19 CIE 1	20 (H)	5	Last day of Moharam CIE- Test 1
7	July	22	23	24	25	26	27	5	Outreach Program Seminar/Guest Lecture Industrial Visit
8	July/ Aug	29	30	31	1	2	3(H)	6	Guest Lecture in " Strategic brand Management"
9	August	5	6	7	8	9	10	5	Guest Lecture in "IMC"
10	August	12	13	14	15(H)	16	17(H)	5	Independence Day
11	August	19 CIE 2	20 CIE 2	21 CIE 2	22	23 (Fest)	24 (Fest)	5	CIE- Test 2 Management Fest
12	August	26	27	28	29	30	31(H)	6	Guest Lecture – HR specialization Independence Day
13	Sep	2	3	4	5	6	7 (H)	5	Varasiddhi Vinayaka Vratha Guest Lecture In Finance Specialization
14	Sep	9	10	11	12	13	14	6	Guest Lecture in Innovation & Design Thinking
15	Sep	16 (H)	17	18	19	20	21	4	Eid-Milad Expert Lecture In Corporate Restructuring
16	Sep	23 CIE 3	24 CIE 3	25 CIE 3	26	27	28 (LWD)	6	Last Working Day

Submission of 4 th Semester Projects	13.09.2024 to 28.09.2024
4 th Semester VTU Theory Examinations	30.09.2024 to 06.11.2024

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CALENDAR OF EVENTS FOR EVEN SEMESTER FOR 4th Sem MCA (2023-2024)

SLNo	Month	Day						No of Working	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	APRIL	22(FW D)	23	24	25	26	27	5	First Working Day
2	APRIL	29	30	1(H)	2	3	4(H)	4	H-May Day
3	MAY	6	7	8	9	10(H)	11	5	H-Basava Jayanthi
4	MAY	13	14	15	16	17	18(H)	5	
5	MAY	20	21	22	23	24	25	6	
6	MAY/JUNE	27	28	29	30	31	1(H)	5	
7	JUNE	3	4(CIE1)	5(CIE1)	6	7	8	6	CIE1-TEST
8	JUNE	10	11	12	13	14	15(H)	5	
9	JUNE	17(H)	18	19	20	21(CIE 2)	22(CIE 2)	5	H-Bakrid ,CIE-2
10	JUNE	24	25	26	27	28	29	6	
11	JULY	1	2	3	4	5	6(H)	5	Bakrid
12	JULY	8	9	10	11	12	13	6	
13	JULY	15	16	17(H)	18	19	20(H)	4	H-Last Day of
14	JULY	22	23	24	25(CIE 3)	26(CIE 3)	27(LW D)	6	Last Working Day , CIE3
VTU Practical Exam				28-07-2024 TO 29-07-2024					
VTU Theory Exam				01-08-2024 TO 23-08-2024					
Submission of the reports to VTU				13-7-2024 TO 27-07-2024					

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CALENDAR OF EVENTS FOR EVEN SEMESTER FOR 2nd Sem MCA (2023-2024)

SLNo	Month	Day						No of Working	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	JULY	15 (FWD)	16	17(H)	18	19	20(H)	4	17th Last day of Moharam
2	JULY	22	23	24	25	26	27	6	
3	JULY/AUG	29	30	31	1	2	3(H)	5	
4	AUG	5	6	7	8	9	10	6	
5	AUG	12		14	15(H)	16	17(H)	4	15th
6	AUG	19	20	21	22(1CI E)	23(1CI E)	24(1CI E)	6	CIE1 22,23,24
7	AUG	26	27	28	29	30	31	6	
8	SEPT	2	3	4	5	6	7(H)	5	7th Vinayaka
9	SEPT	9	10	11	12	13	14	6	
10	SEPT	16(H)	17	18	19	20	21(H)	4	16th Eid Milad
11	SEPT	23(2CI E)	24(2CI E)	25(2CI E)	26	27	28	6	CIE2 23,24,25
12	SEPT/OCT	30	1	2(H)	3	4	5(H)	4	2nd Gandhi Jayanthi
13	OCT	7	8	9	10	11(H)	12(H)	4	11th & 12th
14	OCT	14(3CI E)	15(3CI E)	16(3CI E)	17(H)	18		4	17th Valmaki Jayanthi CIE3 14,15,16
VTU Practical Exam		21-10-2024 To 26-10-2024							
VTU Theory Exam		28-10-2024 To 16-11-2024							

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CALENDAR OF EVENTS FOR ODD SEMESTER FOR 3 Sem MCA (2023-2024)

Master of Computer Applications

SLNo	Month	Day						No of Working	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	Dec	11(FWD)	12	13	14	15	16(H)	5	FWD: First Working Day H-Week of Holiday
2	Dec	18	19	20	21	22	23	6	23-Monday TT 18,19,30 Work Shop on Advanced Spring Boot
3	Dec	25(H)	26	27	28	29	30	5	H-Christmas Holiday
4	Jan	1	2	3	4	5	6(H)	5	H-Week of Holiday
5	Jan	8	9	10	11(CIE1)	12(CIE1)	13(CIE1)	6	13-Tuesday TT CIE-1-11,12,13
6	Jan	15(H)	16	17	18(PTM)	19 (IV)	20(H)	4	H-Makara Sankranti 18 PTM: Parent & Teacher Meeting 19th Industry Visit
7	Jan	22	23	24	25	26(H)	27	5	H-Republic Day 27-Wed TT
8	Jan/Feb	29	30	31	1	2(GL)	3(H)	5	2nd Guest Lecturer
9	Feb	5	6	7	8	9	10	6	10- Thu TT
10	Feb	12(CIE2)	13(CIE2)	14(CIE2)	15	16	17(H)	5	CIE2-12,13,14
11	Feb	19	20	21	22	23	24(PTM)	6	24- Fri TT, PTM Parent Teacher Meeting
12	Feb/Mar	26	27	28	29	1(TS)	2(H)	5	1st Technical Seminar II-Holiday
13	Feb	4	5	6	7	8(H)	9	5	10- Monday TT H- Maha Shivaratri
14	Feb/Mar	11	12	13	14	15(GL)	16(H)	5	16th Guest Lecturer
15	Mar	18(CIE3)	19(CIE3)	20(CIE3)	21	22	23(LWD)	6	24- Tue TT CIE3-18,19,20 LWD Last Working Day

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VTU Practical Exam 25-03-24 TO 30-03-24
 VTU Theory Exam 01-04-24 TO 18-04-24

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CALENDAR OF EVENTS FOR ODD SEMESTER FOR 1 Sem MCA (2023-2024)

Master of Computer Applications									
SLNo	Month	Day						No of Working	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	Feb	12(FWD)	13	14	15	16	17(H)	5	FWD-First Working Day
2	Feb	19	20	21	22	23	24	6	24- Mon TT,
3	Feb/Mar	26	27	28	29	1(TS)	2(H)	5	1st Technical Seminar II-Holiday
4	Mar	4	5	6	7	8(H)	9	5	09- Tues TT Maha Shivaratri H-
5	Feb/Mar	11	12(CIE1)	13(CIE1)	14(CIE1)	15(CIE1)	16(H)	5	CIE-1-12,13,14,15
6	Mar	18	19	20	21	22	23(PTM)	6	23-Wed TT Parents Teachers Meeting PTM-
7	Mar	25	26	27	28	29(H)	30	6	30-Thu TT, H-Good Friday
8	April	1	2	3	4	5	6(H)	5	
9	April	8	9(H)	10	11(H)	12	13	4	13-Fri TT, H-Ugadi Festival H-E-Ramzan
10	April	15	16(CIE2)	17(CIE2)	18(CIE2)	19(CIE2)	20(H)	5	CIE2-16,17,18,19
11	April	22	23	24	25	26	27(PTM)	6	27-Mon TT PTM-Parents Teachers Meeting
12	April/May	29	30	1(H)	2	3	4(H)	4	H-May Day
13	May	6	7	8	9	10(H)	11	5	11-Tue TT H-Basava Jayanthi
14	May	13	14	15	16	17	18(H)	5	
15	May	20	21	22	23	24	25(LWD)	6	LWD-Last Working Day 25-Wed TT CIE3-20,21,22,23
16	May/June	27	28	29	30	31	1(H)	5	H=Holiday
17	June	3(CIE3)	4(CIE3)	5(CIE3)	6(CIE3)	7	8(LWD)	6	CIE-3 LWD-Last Working Day
Total Working Days								78	
VTU Practical Exam				10-06-24 TO 15-06-24					
VTU Theory Exam				18-06-24 TO 05-07-24					

for Dh
21/5/24
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R. S. Srinivas
 Director MBA & MCA

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DEPARTMENT OF MECHANICAL ENGINEERING

Academic year: 2023-24 (ODD)

Department Academic Calendar

Sl.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	Sep	11 (FWD)	12	13	14	15	16(H)	4	11 TH First Working Day for 7 th sem
2	Sep	18 (H)	19	20	21	22	23	5	18 th Ganesha Chaturthi
3	Sep	25	26	27	28 (H)	29	30(H)	4	28 th Eid milad
4	Oct	2 (H)	3	4	5	6	7 (H)	4	2 nd Gandhi jayanthi 25 th – Outreach
5	Oct	9	10	11	12	13	14 (H)	5	14 th Mahalaya Amavasya
6	Oct	16 (CIE-1)	17 (CIE-1)	18 (CIE-1)	19	20 (PTM)	21 (H)	5	16 th , 17 th , 18 th CIE-1 & 20 th PTM
7	Oct	23 (H)	24 (H)	25	26	27	28 (H)	3	23 rd Auyudha pooja 24 th Vijayadashami 28 th Valmiki jayanthi
8	Oct/Nov	30	31	1 (H)	2	3	4 (H)	4	1 st Kannada Rajyotsava
9	Nov	6	7	8	9	10	11	6	
10	Nov	13	14 (H)	15	16	17	18 (H)	4	14 th Balipadyami, Deepavali
11	Nov	20 (CIE-2)	21 (CIE-2)	22 (CIE-2)	23	24	25 (PTM)	6	20 th , 21 th , 22 th CIE-2 & 25 th PTM 23 rd – 25 th Value Added Program
12	Nov/Dec	27	28	29	30 (H)	1	2 (H)	4	27 th – 28 th Value Added Program 30 th Kanakadasa jayanthi
13	Dec	4	5	6	7	8	9	6	
14	Dec	11	12	13	14	15	16 (H)	5	
15	Dec	18	19	20	21	22	23	6	12 TH 13 TH , 14 TH CIE 2
16	Dec	25 (H)	26	27 (CIE-3)	28 (CIE-3)	29 (CIE-3)	30 (PTM)	5	25 th Christmas, 27 th , 28 th , 29 th CIE-3 & 30 th PTM
17	Jan-24	1	2	3	4	5	6 (LWD)	5	6 th Last Working Day

G.N.Reddy

PROFESSOR & HEAD
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DEPARTMENT OF MECHANICAL ENGINEERING

Academic year: 2023-24 (EVEN)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	April / May	29 (FWD)	30	1(H)	2	3	4(H)	4	27th – FWD for 4 th Sem 3 RD -DAC even
2	MAY	6	7	8	9	10	11	5	9 th May – Guest Lecture 10 th Basava jayanthi
3	JUNE	13	14	15	16	17	18(H)	5	14 th May – Guest Lecture
4	JULY	20	21	22	23	24	25	6	
5	MAY / JUNE	27	28	29	30	31	1(H)	5	
6	JUNE	3 (CIE 1)	4 (CIE1)	5 (CIE 1)	6	7	8 (PTM)	6	3 rd to 5 th CIE1 8 th -PTM
7	JUNE	10	11	12(H)	13	14	15(H)	5	
8	JUNE	17(H)	18	19	20	11(H)	12(H)	5	19 th June – Guest Lecture 17 th -Bakrid
9	JUNE	24	25	26	27	28	29	6	
10	JULY	1	2	3 (CIE 2)	4 (CIE2)	5 (CIE 2)	6(H)	5	3 rd to 5 th -CIE2
11	JULY	8	9	10	11	12	13	6	
12	JULY	15	16	17(H)	18	19	20(H)	4	17 th -Bakrid
13	JULY	22	23	24	25 (CIE 3)	26 (CIE 3)	27 (CIE 3)	6	25 th to 27 th -CIE-3
14	JULY	29	30	31 (LWD)				3	31 st -last working day

G.N.Reddy

PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
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DEPARTMENT OF MECHATRONICS ENGINEERING

Academic year: 2023-24 (EVEN)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	April/May	27 (FWD)	30	1(H)	2	3	4(H)	4	27 th – FWD for 4 th Sem 27 th -DAC even
2	MAY	6	7	8	9	10	11	5	10 th Basava jayanthi 6 th to 16 th May- Value added course
3	MAY	12	13	14	15	16	17(H)	5	
4	MAY	20	21	22	23	24	25	6	22 nd may One day Workshop
5	MAY/JUNE	27	28	29	30	31	1(H)	5	28 th may industrial visit.
6	JUNE	3(CIE 1)	4 (CIE1)	5 (CIE 1)	6	7	8(PTM)	6	3 rd to 5 th CIE1 8 th -PTM
7	JUNE	10	11	12(H)	13	14	15(H)	5	13 th june one day workshop.
8	JUNE	17(H)	18	19	20	11(H)	12(H)	5	17 th -Bakrid
9	JUNE	24	25	26	27	28	29	6	
10	JULY	1	2	3(CIE 2)	4 (CIE2)	5 (CIE 2)	6(H)	5	3 rd to 5 th -CIE2
11	JULY	8	9	10	11	12	13	6	
12	JULY	15	16	17(H)	18	19	20(H)	4	17 th -Bakrid
13	JULY	22	23	24	25 (CIE 3)	26 (CIE 3)	27 (CIE 3)	6	25 th to 27 th -CIE-3
14	Nov	29	30	31(LWD)				3	31 st -last working day


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Prof. & HOD
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DEPARTMENT OF MECHATRONICS ENGINEERING

Academic year: 2023-24 (ODD)

Department Academic Calendar

S.No	Month	Days						No of Working Days	Activities
		Mon	Tue	Wed	Thu	Fri	Sat		
1	Aug	19 (FWD)	20	21	22	23	24	6	22 nd – FWD for 4 th Sem 27 th – DAC Meeting
2	Aug	26	27	28	29	30	31	6	
3	sep	2	3	4	5	6	7(H)	5	7 th vinayaka churthui
4	Sep9	10	11	12	13	14	6	6	
5	sep	16(H)	17	18	19	20	21(H)4	4	16 th eid milad
6	Sep	23	24	25	26	27	28	6	23 th – 28 th Value added course (VAC)
7	Sep/oct	30	1	2(H)	3	4	5(H)	4	2 nd ghandhi jayanthi
8	oct	7	8	9	10	11(H)	12(H)	4	11 th auyudha pooja
9	oct	14	15	16	17(H)	18	19(H)	4	17 th valmiki jayanthi
10	oct	21(CIE 1)	22 (CIE2)	23 (CIE 3)	24	25	26	6	21-23 CIE 1
11	Oct/nov	28	29	30	31(H)	1(H)	2(H)	3	31 st naraka chaturdashi 1 st kannada rajyotsava 2 nd deepavali
12	Nov	4	5	6	7	8	9	6	
13	Nov	11	12	13	14	15	16(H)	5	
14	Nov	18(H)	19	20	21	22	23	5	18 th kanakadasa jayanthi

15	Dec	25	26	27	28	29	30	6	
16	Dec	2	3	4	5	6	7(H)	5	
17	Dec	9	10	11	12 (CIE 2)	13 (CIE 2)	14 (CIE 2)	6	12 TH . 13 TH , 14 TH CIE 2
18	Dec	16	17	18	19	20	21(LWD)	5	21 ST LWD


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Ref: TOCE/IQAC/RA/2023-24/462

Date: 28.12.2023

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HODs are hereby informed that 3rd, 5th, 1st, 7th Semester (B.E) 1st, 2nd, 3rd IA Result Analysis has been scheduled on **5th January 2024** as per below schedule :-

S.No	Date	Time	Department	Committee Members
1	05-01-2024	9.30 am - 10.30 am	ECE, EEE	Dr B K Manjunatha, Dr Madhusudan Reddy Dr Tharaka Rami Reddy
		10.45 am - 11.45 am	AUTO, BT, ME	Dr R Ch A Naidu & Dr Puja Shashi
		11.45 am - 12.45 pm	CSE, ISE	Dr V S Bharath, Dr P Bindu Madavi Dr Manjula
		1.30 pm - 2.30 pm	MT, CIVIL, AIML	Dr Manju Devi Dr Gangavathi Dr Mallikarjun K
		2.30 pm - 4.00 pm	1st year	Dr R Kanagavalli, Dr Malleshaiah.T.S, Dr B R Raju & Dr Preeta Sharan

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Ref. No.: TOCE/EST/06/2023-24/334

Date: 27-09-2023

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IQAC

All the HODs are hereby informed that **2nd , 4th Semester (B.E) - 2nd , 3rd IA, MCA, MBA 2nd sem - 2nd, 3rd IA, MBA 4th sem - 3rd IA Result Analysis** has been scheduled on **03rd of October 2023** as per below schedule

S.No	Date	Time	Department	Committee Members
1	03-10-2023	9.30 am -10.30 am	ECE, EEE	Dr R Kanagavalli, & Dr Manjula,
		10.45 am - 11.45 pm	AUTO, BT, ME	Dr Manju Devi, & Dr Preeta Sharan
		11.45 pm -12.45 pm	CSE, ISE	Dr B K Manjunath & Dr Tharaka Rami Reddy
		1.30 pm - 2.30 pm	AIML, MT, CIVIL	Dr R Ch A Naidu. & Dr Puja
		2.30pm - 3.00pm	MBA, MCA	Dr V S Bharath & Dr Ganagavathi,
		3.00pm - 4.00pm	S&H	Dr Malleshaiah.T.S , Dr Mallikarjun K, Dr Madhusudan Reddy, Dr P Bindu Madavi, & Dr B R Raju


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Ref.No.TOC/EST/06/2024-25/838

Date: 05-11-2024

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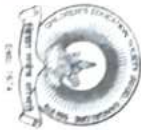
All the HODs are hereby informed that 5th & 3rd Semester (B.E) CIE I Result Analysis has been scheduled on 8th & 9th NOV 2024 as per below schedule.

S.No	Date	Time	Department	Committee Members
1.	8.11.2024	1.30 pm- 2.30 pm	BT	Dr.Saravana Kumar, Prof & I/c Head of Dept. of CSE Dr.Madhura S, AP of Dept. of MTE
			CV	Dr.Raju B R, Prof & Head of Dept. of Automobile Engg., Dr.Valarmathy, Assot Prof of Dept. of BT
		ECE	Dr.Kanagavalli R, Prof & Head of Dept. of ISE Dr.Bindhu Madhavi, Prof & Head of Dept. of AIML Dr.Raghu R, Assot Prof. of Dept. of ECE	
		EEE	Dr.R.Kanagavalli R, Prof & Head of Dept. of ISE Dr.Raju B R, Prof & Head of Dept. of Automobile Engg., Dr. Madhusudhan Reddy, Prof & Head of Dept. of ME Dr.Laya Tojo, Assot Prof of Dept. of ECE	
2.	9.11.2024	1.30 pm- 2.30 pm	CSE	Dr.Devi Vigneshwari, Prof & Head of Dept. of EEE Dr.Nisha C Rani, Assot Prof of Dept. of EEE Dr.Raju B R, Prof & Head of Dept. of Automobile Engg., Prof. Shivanand C G, AP of Dept. of CV
			ME	Dr.Manjunatha B K, Prof & Head of Dept. of BT Dr.Manjudevi, Prof & Head of Dept. of ECE
		AIML	Dr.Manjudevi, Prof & Head of Dept. of ECE Dr.Devi Vigneshwari, Prof & Head of Dept. of EEE	
		MT	Dr.Manjudevi, Prof & Head of Dept. of ECE Dr.Raju B R, Prof & Head of Dept. of Automobile Engg.,	

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Ref.No./TOCE/EST/2023-24/753


Date: 25-07-2024

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HODs are hereby informed that **4th Semester (B.E) CIE II** Result Analysis has been scheduled on **7th August 2024** as per below schedule.

S.No	Date	Time	Department	Committee Members
1	07.08.2024	9.30AM-10.30AM	CV	Dr.Gangavathi , Prof & Head of Dept. of S&H
				Dr.Madhusudhan Reddy, Prof & Head of Dept. of ME
		10.30AM-11.30AM	BT	Dr.Valarmathy, Assot Prof of Dept. of BT
				Dr.Manju Devi, Prof & Head of Dept. of ECE
		11.30AM-12.30PM	ISE	Dr.Mallashaiah, Prof & Head of Dept. of CV
				Dr.Nisha C Rani, Assot Prof of Dept. of EEE
		1.30PM-2.30PM	AIML	Dr.R.Kanagavalli, Prof & Head of Dept. of ISE
				Dr.Saravankumar, Prof & I/c Head of Dept.of CSE
		2.30PM-3.30PM	CSE	Dr.Gangavathi , Prof & Head of Dept. of S&H
				Dr. Madhusudhan Reddy, Prof & Head of Dept. of ME
		3.30PM-4.30PM	ECE	Dr.Shipra Bhati, AP of Dept. of S&H
				Dr.Manju Devi, Prof & Head of Dept. of ECE
2.30PM-3.30PM	ME	Dr.Hemalatha, Assot Prof of Dept. of S&H		
		Dr.Manju Devi, Prof & Head of Dept. of S&H		
2.30PM-3.30PM	CSE	Dr.B.K.Manjunatha, Prof & Head of Dept. of BT		
		Dr.Saravankumar, Prof & I/c Head of Dept.of CSE		
2.30PM-3.30PM	ECE	Dr.Manju Devi, Prof & Head of Dept. of ECE		
		Dr.Devi Vigneshwari, Prof & Head of Dept.of EEE		
2.30PM-3.30PM	CSE	Dr.R.Kanagavalli, Prof & Head of Dept. of ISE		
		Dr.Madhura S, AP & I/c Head of Dept.of MTE		
2.30PM-3.30PM	ECE	Dr. Pallavi, AP of Dept. of S&H		
		Dr.Laya Tojo, Assot Prof of Dept. of ECE		
2.30PM-3.30PM	ECE	Dr.B.K.Manjunatha, Prof & Head of Dept. of BT		
		Dr.Binidu Madhvi, Prof & Head of Dept. of AIML		
2.30PM-3.30PM	ECE	Dr.Raghu R, Assot Prof of Dept.of CSE		

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Ref.No./TOCE/EST/2023-24/752

Date: 25-07-2024

IQAC
CIRCULAR

HODs are hereby informed that **6th Semester (B.E) CIE III Result** Analysis has been scheduled on **2nd August 2024** as per below schedule.

S.No	Date	Time	Department	Committee Members
1	02.08.2024	9.30AM-10.30AM	ECE	Dr.B.K.Manjunatha, Prof & Head of Dept. of BT
				Dr.Raju BR, Prof & Head of Dept. of Auto.Engg
		10.30AM-11.30AM	CSE	Dr.Bindhu Madhvi, Prof & Head of Dept. of AIML
				Dr.Raghur R, Assot Prof of Dept.of CSE
				Dr.R.Kanagavalli, Prof & Head of Dept. of ISE
		11.30AM-12.30PM	MT	Dr.Madhura S, AP & I/c Head of Dept.of MTE
				Dr. Pallavi, AP of Dept. of S&H
		1.30PM-2.30PM	BT	Dr.Laya Tojo, Assot Prof of Dept. of ECE
				Dr.Manju Devi, Prof & Head of Dept. of ECE
		2.30PM-3.30PM	CV	Dr.Malleshaiah, Prof & Head of Dept. of CV
Dr.Devi Vigneshwari, Prof & Head of Dept.of EEE				
3.30PM-4.30PM	ME	Dr.Nisha C Rani, Assot Prof of Dept. of EEE		
		Dr.R.Kanagavalli, Prof & Head of Dept. of ISE		
				Dr.SaravanaKumar, Prof & I/c Head of Dept.of CSE
				Dr.Gangavathi, Prof & Head of Dept. of S&H
				Dr.Madhusudhan Reddy Prof &Head of Dept. of ME
				Dr.Valarmathy, Assot Prof of Dept. of BT
				Dr.B K.Manjunatha, Prof & I/c Head of Dept. of BT
				Dr.SaravanaKumar, Prof & I/c Head of Dept.of CSE

Dr. Manjunatha

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Date: 27-06-2024

No. TOCE/EST/06/2022-23/731

IQAC

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HODs are hereby to inform that II Semester (B.E) CIE II Result Analysis has been scheduled on **2nd July 2024** as per the below schedule.

S. No	Date	Time	Department		Committee Members
			I year		
1	02.07.2024	10:00AM - 12:00 PM	Physics Cycle		Dr. R Kanagavalli, Prof & Head of Dept. of ISE Dr. Manju Devi, Prof & Head of Dept. of ECE Dr. P. Bindhu Madhavi, Prof & Head of Dept. of AIML
			Chemistry cycle		Dr. Madhusudhan Reddy, Prof & Head of Dept. of ME Dr. Raju B R, Prof & Head of Dept. of AUTO Dr. Nisha C Rani, Asst Prof of Dept. of EEE Dr. B K Manjunath, Prof & Head of Dept. of BT Dr. Madhura S, Asst Prof & I/C of HoD of Dept. of MTE Dr. Saravana Kumar E, Associate Prof & I/C of HOD of Dept. of CSE Dr. B. Devi Vigneshwari, Associate Prof & I/C of HOD of Dept. of EEE Dr. T S Malleshaiah, Prof & Head of Dept. of CV Dr. Laya Tojo Asst Prof of Dept. of ECE

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No. TOCE/ EST/06/2023-2024/698

Date: 15-05-2024

IQAC **CIRCULAR**

All the HODs are here by informed that 8th semester CIE III Result Analysis is scheduled on 17th May 2024 as per below schedule.

S.No	Date	Time	Department	Committee Members
1	17.05.24	11 AM-12 PM	EEE	Dr. R. Kanagavalli Dr. E Saravana Kumar
			ME, AU	Dr. B K Manjunath Dr. E Saravana Kumar
			MT	Dr. Manju Devi Dr. Hemalatha
		2 PM-3 PM	CSE	Dr. R. Kanagavalli Dr. Madhura S Dr. Pallavai Dr. Laya Tojo
			ECE	Dr. B K Manjunath Dr. Bindhu Madhavi Dr. Raghu
			CV	Dr. P Gangavathi Dr. Madhusudhan Reddy Dr. Valarmathi
3 PM-4 PM	ISE	Dr. P Gangavathi Dr. Madhusudhan Reddy Dr. Shipra		
	BT	Dr. Manju Devi Dr. Malleshiah T S Dr. Nisha C Rani		

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Ref: TOCE/IQAC/RA/2023-24/462

Date: 28.12.2023

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HODs are hereby informed that 3rd, 5th, 1st, 7th Semester (B.E) 1st, 2nd, 3rd IA Result Analysis has been scheduled on 5th January 2024 as per below schedule :-

S.N o	Date	Time	Department	Committee Members
1	05-01-2024	9.30 am - 10.30 am	ECE, EEE	Dr B K Manjunatha, Dr Madhusudan Reddy Dr Tharaka Rami Reddy
		10.45 am - 11.45 am	AUTO, BT, ME	Dr R Ch A Naidu & Dr Puja Shashi
		11.45 am - 12.45 pm	CSE, ISE	Dr V S Bharath, Dr P Bindu Madavi Dr Manjula
		1.30 pm - 2.30 pm	MT, CIVIL, AIML	Dr Manju Devi Dr Gangavathi Dr Mallikarjun K
		2.30 pm - 4.00 pm	1st year	Dr R Kanagavalli, Dr Malleshiah.T.S, Dr B R Raju & Dr Preetta Sharan

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(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by A.I.C.T.E. New Delhi, Accredited by NAAC with A Grade & NBA New Delhi and Recognized by UGC Under Section 2(f))

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Ref. No.: TOCE/EST/06/2023-24/378

Date: 26-10-2023

IQAC

CIRCULAR

All the HODs are here by informed that **7th Semester (B.E) 1st IA Result Analysis** has been scheduled on **31st October 2023** as per below schedule : -

S. No	Date	Time	Department	Committee Members
1	31-10-2023	9.30 am -10.30 am	ECE, EEE	Dr B K Manjunath
				Dr R Kanagavalli, Dr B R Raju & Dr Manjula
		10.45 am - 11.45 pm	AUTO, BT, ME	Dr V S Bharath,
				Dr Ganagavathi, Dr Mallikarjun K & Dr Preeta Sharan
11.45 pm -12.45 pm	CSE, ISE	Dr Manju Devi, Dr Puja, Dr Malleshaiah.T.S & Dr Tharaka Rami Reddy		
		Dr R Ch A Naidu, Dr P Bindhu Madhavi & Dr Madhusudan Reddy		

Copy to

1. The Chairman, The Oxford Educational Institutions
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Bommanahalli, Hosur Road
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THE OXFORD COLLEGE OF ENGINEERING, BANGALORE -560 068
(Approved by AICTE, New Delhi, Accredited by NAAC 'A' Grade &
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DEPARTMENT OF SCIENCE AND HUMANITIES
Outcome Based Education (OBE) and Choice Based Credit System (CBCS), VTU
Semester-I
Common to all branches (P1-P6 Cycle, C3 & C5 Cycle)
Continuous Internal Evaluation- II
Date: 01-01-2024 (FN)

Subject Code:	BESCK104C-B	CIE Marks:	25
Subject Title:	Introduction to Electronics & Communication	Exam Hrs.:	60 minutes

Course Objectives: This course will enable students to:

- Have fundamental knowledge/ overview in the field of Electronics and Communication Engineering
- Equip with a foundation in electronic engineering required for comprehending the operation and application of electronic circuits, logic design, embedded systems, and communication systems

Note: Answer FIVE full questions

Q. No:	Questions	Marks	CO-PO	Bloom's Taxonomy Level
Q.1	A. Express the Boolean Function $F = A + \overline{B} C$ in Sum of Minterms form.	5	CO3- PO1,2,3, 4,12	L3
	OR B. Design Full Adder with necessary logic diagram and expressions.	5	CO3- PO1,2,3, 4,12	L2
Q.2	A. Explain major application areas of Embedded systems.	5	CO4- PO1,2,3, 4,5,9,12	L2
	OR B. Compare microprocessors and microcontrollers.	5	CO4- PO1,2,3, 4,5,9,12	L2
Q.3	A. What is 7-Segment LED display? Explain the different configurations of 7-Segment LED display.	5	CO4- PO1,2,3, 4,5,9,12	L2
	OR B. With neat diagrams, explain the arrangement of an instrumentation and control system.	5	CO4- PO1,2,3, 4,5,9,12	L2

Q.4	A. List out the advantages of Digital Communication over Analog Communications.	5	CO5- PO1,2,3, 4,5,9,12	L2
	OR			
	B. Explain various types of Communication systems	5	CO5- PO1,2,3, 4,5,9,12	L2
Q.5.	A. With neat diagrams, explain the ASK, PSK and FSK representation of the data 10110.	5	CO5- PO1,2,3, 4,5,9,12	L2
	OR			
	B. Describe the various multiple access techniques.	5	CO5- PO1,2,3, 4,5,9,12	L2

Course Outcomes: After studying this course, students will be able to:

- CO 1. Describe the concept of electronic circuits encompassing power supplies, amplifiers, and oscillators.
- CO 2. Describe the characteristics and applications of operational amplifiers
- CO 3. Present the basics of digital logic engineering including data representation, Boolean Algebra and design of Combinational logic design using basic gates
- CO 4. Discuss the characteristics, technological advances of embedded systems and role of sensors and actuators in instrumentation and control
- CO 5. Explain the fundamentals of communication engineering and different modes of communications.

PO CO	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
CO 3	3	3	3	2	-	-	-	-	-	-	-	1
CO 4	3	3	3	2	3	-	-	-	1	-	-	1
CO 5	3	2	3	2	3	-	-	-	1	-	-	1

1) Substantial (High) /3 2) Moderate (Medium) /2 3) Slight (Low) /1 4) No correlation /-

Faculty 20/12/23

(SHEEBAKUMARI.C)

HOD
Professor & HOD of E&C Engineering
The Oxford College of Engineering
Bommananalli, Bangalore - 560 068



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Department of Electronics and Communication Engineering
Continuous Internal Evaluation -II
Scheme of Evaluation

(2023-2024)

01/01/2024

Semester: Ist (P1 to P6, C3, C5)

Subject: Introduction to Electronics and Communication

Name of the Faculty: Mrs. Sheebakumari

Subject Code: BESCK104C

Question Numbers	Answers	Marks Allotted
1. A	<p><u>Boolean Function $F = A + B'c$ in Sum of Minterms.</u></p> $F = A + B'c$ $F = A + (A + A')B'c \quad \because A + A' = 1$ $F = A + AB'c + A'B'c \quad \because A + B'c = (A + B)(A + c)$ $F = A(B + B')(C + C') + AB'c + A'B'c$ $F = (AB + AB')(C + C') + AB'c + A'B'c$ $F = ABC + ABC' + AB'c + A'B'c' + AB'c + A'BC$ $F = ABC + ABC' + AB'c + AB'c' + AB'c + A'BC$ $F = ABC + ABC' + AB'c + AB'c' + A'B'c \quad \because AB'c + AB'c' = AB'c$ $F = m_7 + m_6 + m_5 + m_4 + m_1$ $F(A, B, c) = A + B'c = \sum(1, 4, 5, 6, 7)$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">$F(A, B, c) = \sum m(1, 4, 5, 6, 7)$</div>	1M 2M 2M

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Question Numbers

Answers

Marks Allotted

1.B Design of a full adder:-

Full Adder is a combinational circuit that performs the arithmetic sum of three input bits.

Truth Table:-

x	y	z	S	C
0	0	0	0	0
0	0	1	1	0
0	1	0	1	0
0	1	1	0	1
1	0	0	1	0
1	0	1	0	1
1	1	0	0	1
1	1	1	1	1

2M

Boolean Expression:-

$$S = x \oplus y \oplus z$$

$$C = xy + yz + xz$$

1M

Question Numbers	Answers	Marks Allotted
	<p><u>Logic Diagram:-</u></p>	2M
2.A	<p><u>Major Application areas of Embedded Systems</u></p> <p>Important domains and products are listed below</p> <p>(i) Consumer Electronics; Camcorders, Cameras etc...</p> <p>(ii) Household appliances; TV, DVD player, washing machine, Fridge, microwave oven etc...</p> <p>(iii) Home Automation and Security Systems : Air conditioners, Security System, Intruder detection alarms, closed circuit television cameras etc...</p> <p>(iv) Automotive Industry : Anti lock braking system (ABS) Engine Control, Ignition System etc...</p>	Any 10 10x.5 = 5M

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Question Numbers	Answers	Marks Allotted
(V)	Telecom :- Cellular telephone, handset multimedia applications.	
(Vi)	Computer Peripherals:- Printers, Scanners, Fax machines etc..	
(vii)	Computer Networking Systems:- Network Routers, switches, hubs etc..	
(viii)	Health Care : - ECG, EEG Medicines etc..	
(ix)	Measurement and Instrumentation:- Digital multimeter, digital CROs	
(x)	Banking and Retail :- Automatic Teller Machine and currency counters etc..	
(xi)	Card Readers :- Bar code, smart ca: readers, hand held devices etc..	

2.B	Microprocessors	Microcontrollers
	A silicon chip representing a central processing unit (CPU) which is capable of performing arithmetic and logical operations according to a pre defined set of instructions	A microcontroller is a highly integrated chip that contains a CPU, RAM, special & general purpose registers, on chip ROM, timer, interrupt control units & I/O ports

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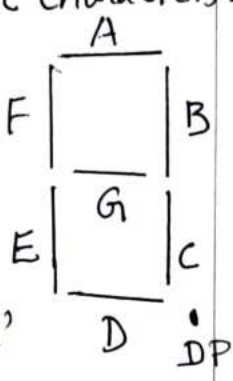
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Marks
Allocated

Question Numbers	Answers		Marks Allotted
	Microprocessor	Microcontroller	
(ii)	It is a dependent unit. It requires the combination of other chips like timers, memory chips etc..	It is a self-contained unit and doesn't require external devices	
(iii)	Most of the time general purpose in design and operation	Mostly application oriented or domain specific	
(iv)	Does not contain built in I/O ports	Most of the processors contain multiple built in I/O ports which can be operated as a single 8 or 16 bit or 32 bit ports	Any 5 5*1 =5M
(v)	Targeted for high end market where performance is important	Targeted for embedded market where performance is not so critical	
(vi)	Limited power saving options	Includes lot of power saving features	

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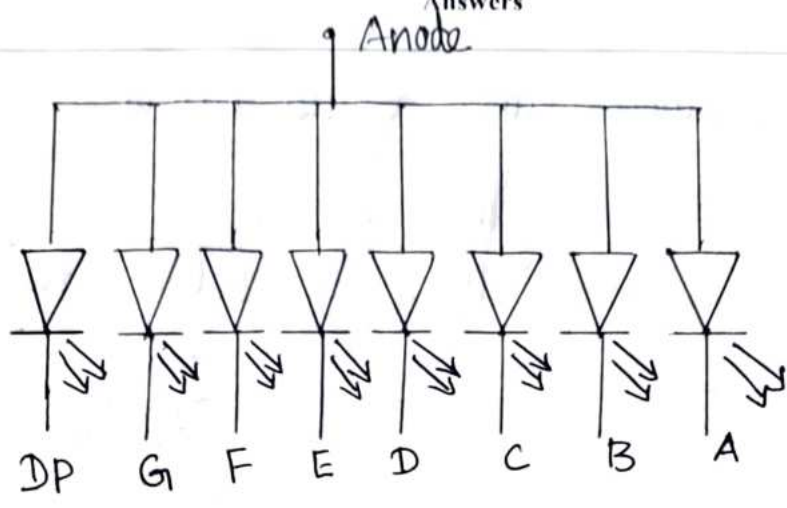
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Question Numbers	Answers	Marks Allotted
3.A	<p><u>Seven Segment LED with Configurations:-</u></p> <p>Seven segment LED is an output device for displaying alphanumeric characters.</p> <p>The seven LED segment (A to G) are used for displaying alphanumeric characters and DP is used for representing 'decimal point' in decimal number display.</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;">IM</div> </div> <p><u>Configurations of 7-Segment LED Display:-</u></p> <p>The seven segment LED displays are available in 2 different configurations. They are</p> <ol style="list-style-type: none"> 1. Common Anode 2. Common Cathode. <p><u>Common Anode Configuration:-</u></p> <p>The anodes of the 8 LED segments are connected commonly to a 5V supply - voltage through a current limiting resistor and the cathode of each LED segment is connected to the respective pins of processor.</p>	

Question Numbers

Answers

Marks Allotted

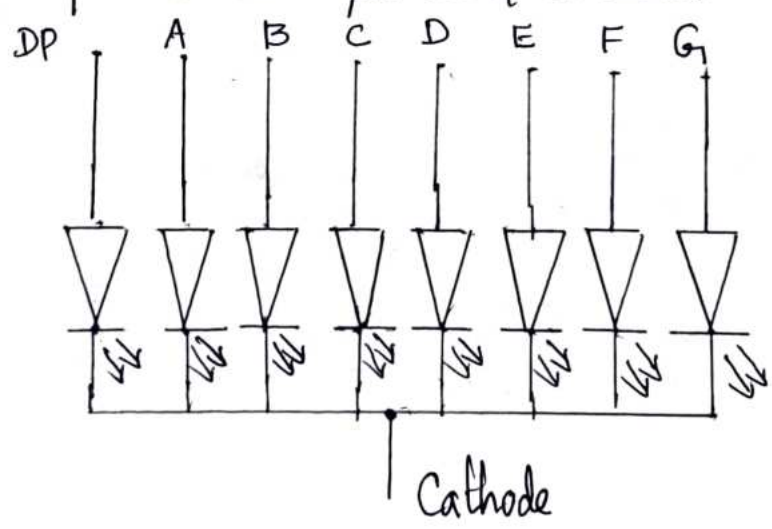


2M

Common Cathode Configuration:

In this configuration, the cathode of the 8 LED segments are connected commonly.

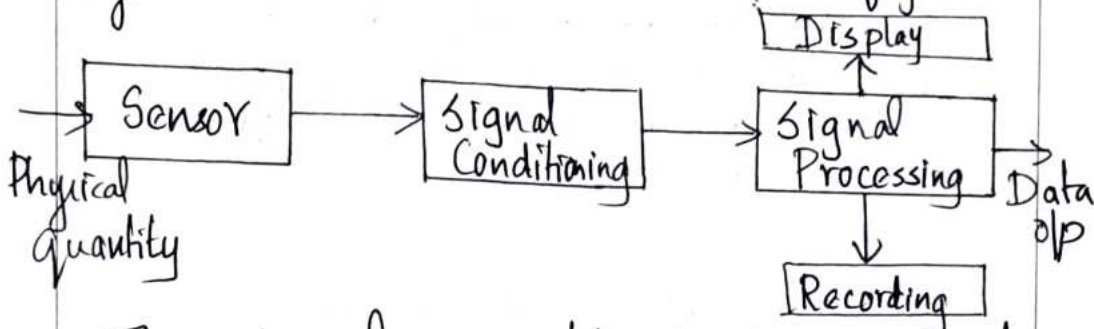
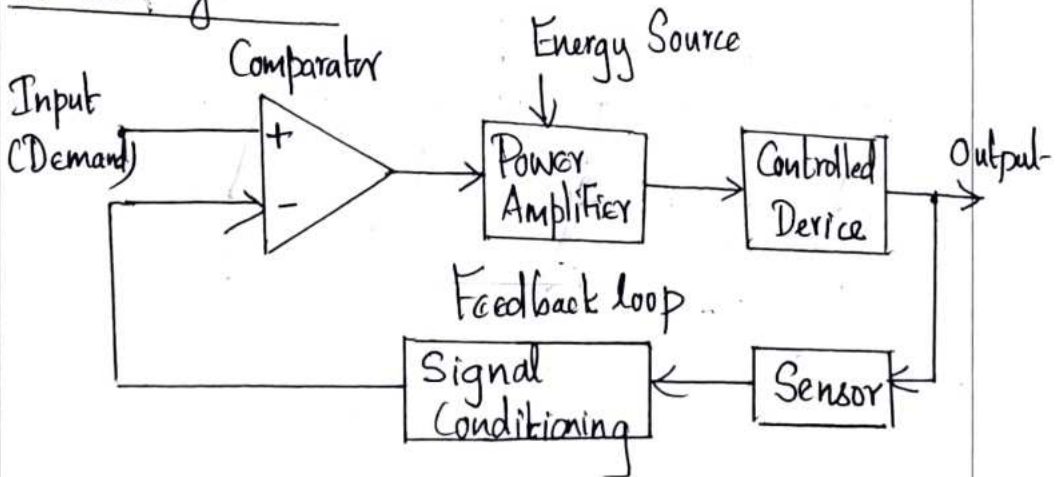
The common cathode terminal is connected to a low voltage (0V) and the anode of each LED segment is connected to the respective pin of the processor/controller.



2M

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Question Numbers	Answers	Marks Allotted
3. B	<p><u>Instrumentation and Control System:-</u></p> <p>The arrangement of an instrumentation system is as shown in below figure.</p>  <p>The physical quantity to be measured acts upon a sensor that produces an electrical signal.</p> <p>Sensors provide signals that can be used as inputs to electronic circuits.</p> <p>Output: produced by the sensor may be small. So signal conditioning is required at the output.</p> <p><u>Control System:-</u></p> 	

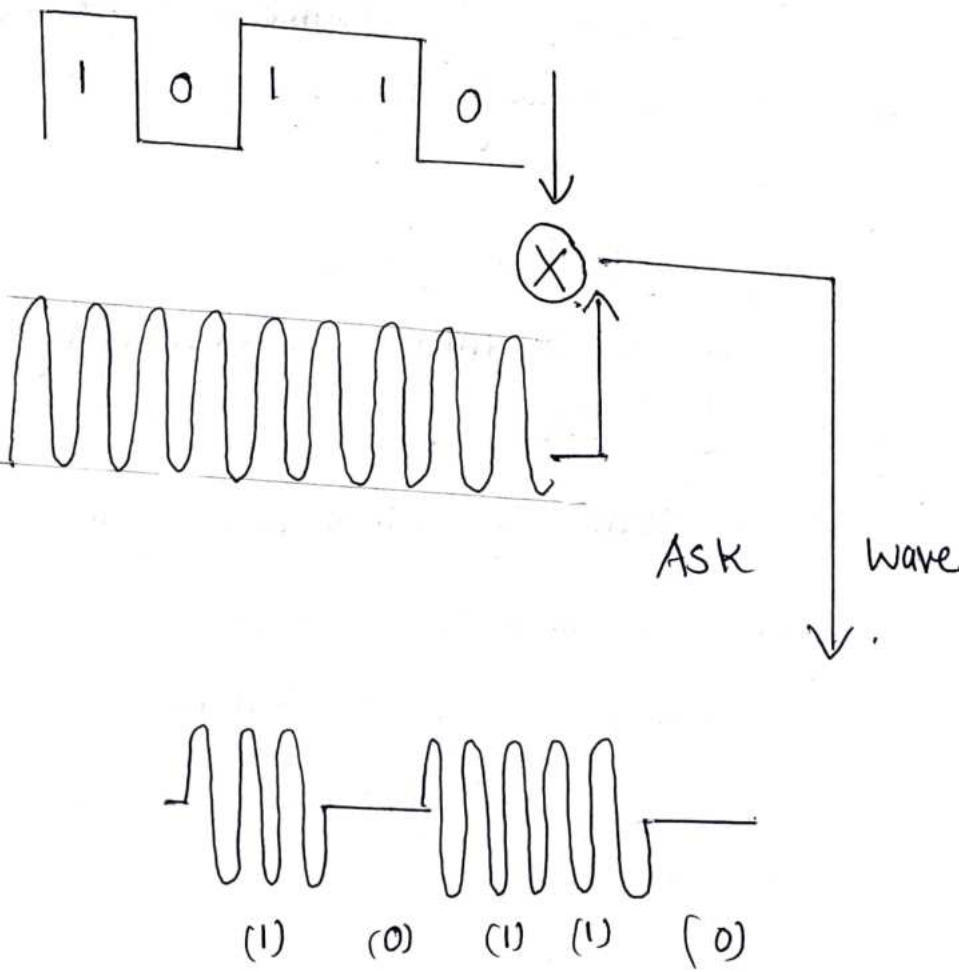
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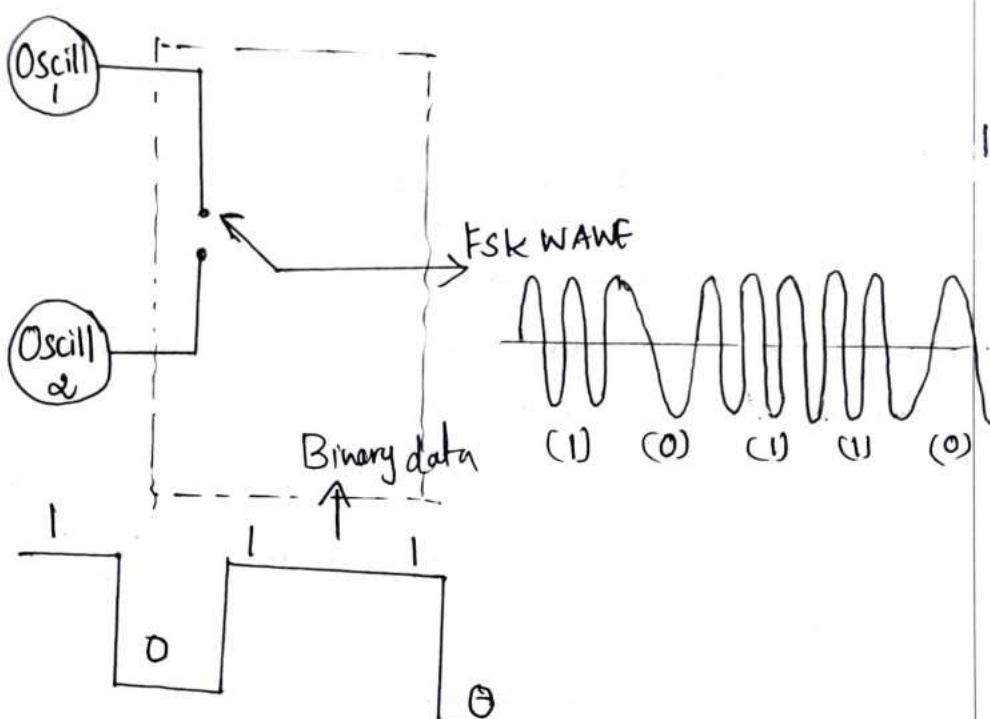
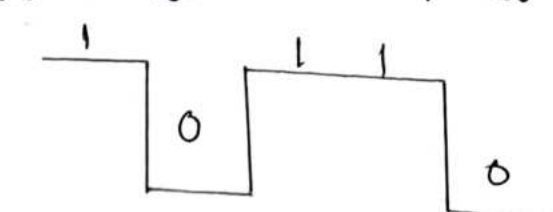
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Question Numbers	Answers	Marks Allotted
	<p>It is possible to set the input or demand and leave the system to regulate itself by comparing it with the signal derived from the output.</p> <p>A comparator is used to sense the difference in these 2 signals and is called an error signal. Error signal should be zero, when o/p exactly matches the input.</p> <p>The controlled device can take many forms. (dc motor, heater etc..)</p>	2.5M
4-A	<p><u>Advantages of Digital Communication over Analog Communication</u></p> <p>(i) Digital hardware implementation is flexible and permits the use of microprocessors, mini processors, digital switching and large scale integrated circuit.</p> <p>(ii) Digital signals can be coded to yield extremely low error rates and high fidelity as well as privacy.</p> <p>(iii) It is easier and more efficient to multiplex several digital signals.</p>	5x1 =5M Any 5 points

Question Numbers	Answers	Marks Allotted
<p>(iv)</p> <p>(v)</p> <p>(vi)</p>	<p>Digital signal storage is relatively easy and inexpensive. It also has the ability to search and select information from distance electronic storerooms.</p> <p>Reproduction with digital message is extremely reliable without deterioration.</p> <p>Analog messages such as photocopies and films, for example, lose quality at each successive stage of reproduction, and have to be transported physically from one distant place to another.</p> <p>The digital transmission is much cheaper than the analog transmission.</p>	
<p>(4) B</p> <p>(i)</p> <p>(ii)</p>	<p><u>Various types of communication systems:</u></p> <p>Based on physical infrastructure there are two types of communication system.</p> <p>(i) Line Communication systems:-</p> <p>(ii) Communication system based on signal specification.</p> <div style="text-align: center;"> <pre> graph TD A[Communication system based on signal specification.] --> B[Nature of base band] A --> C[Nature of transmitted signal] </pre> </div>	<p>1M</p>

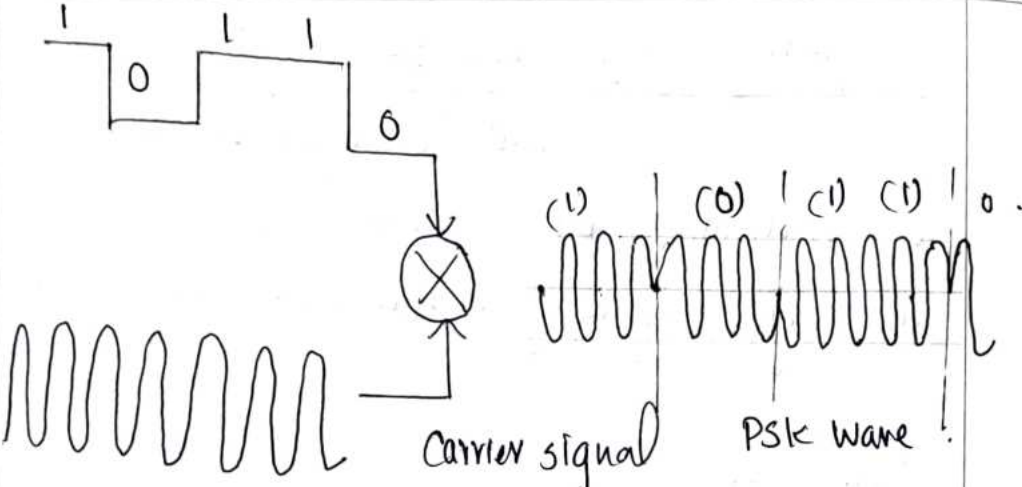
Question Numbers	Answers	Marks Allotted
(1)	<p><u>Line Communication Systems:</u> Use power lines to transfer data from one point to another point Land line telephony, cable TV</p>	
(a)	<p>Communication systems based on signal specifications: (a) Based on nature of baseband or information signal</p>	
(i)	<p><u>Analog Communication System:</u> - Exchange of information between 2 points through analog signals. eg. Audio, video</p>	
(ii)	<p><u>Digital Communication Systems:</u> - Exchange of information through digital signals. eg. HDTV</p>	4M
(b)	<p>Based on Nature of transmitted signal: -</p>	
(i)	<p><u>Baseband Communication Systems:</u> Baseband signals are transmitted without translating to higher frequencies. eg. Landline, fax</p>	
(ii)	<p><u>Carrier Communication Systems:</u> The baseband signal is mixed with</p>	

Question Numbers	Answers	Marks Allotted
	<p>high Frequency carrier signal eg:- Radio, voice messages, cables.</p>	
<p>⑤ A</p>	<p>ASK, PSK and Fsk representation of 10110.</p> <p><u>ASK:-</u></p> <p>Amplitude Shift keying represents digital data as variations in the amplitude of a carrier wave.</p>  <p style="text-align: right;">2M</p>	

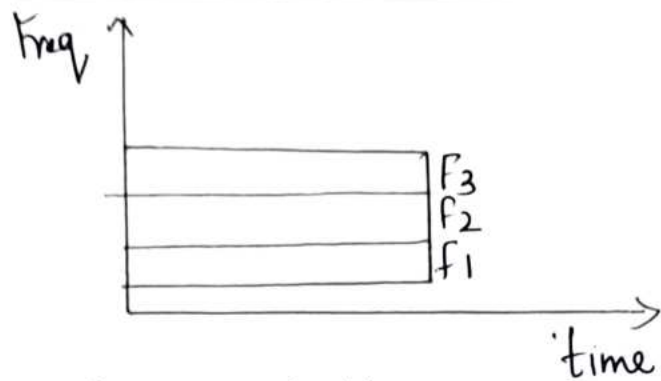
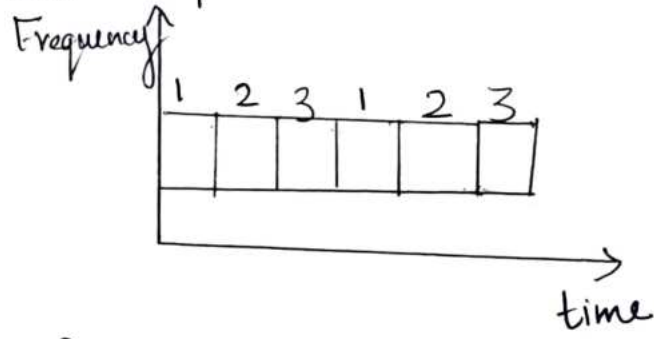
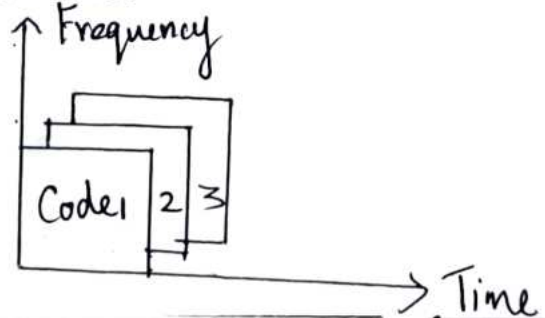
Question Numbers	Answers	Marks Allotted
	<p><u>Frequency shift keying:-</u> In this technique digital signal is transmitted by switching b/w low frequency and high frequency in order to represent 0's & 1's.</p>  <p>1.5M</p>	
	<p><u>PSK Phase Shift keying:-</u> Carrier phase is shifted between two different phases (typically 0° and 180°) depending on whether 0 or 1 is transmitted.</p>  <p>1.5M</p>	


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Question Numbers	Answers	Marks Allotted
	 <p>The diagram illustrates the PSK modulation process. A digital signal with bits 1, 0, 1, 1, 0 is shown at the top. Below it, a carrier signal is shown as a sine wave. These two signals are fed into a multiplier (represented by a circle with an 'X'). The output is a PSK wave where the phase of the carrier is inverted for '1' and remains the same for '0'. The output wave is labeled 'PSK wave'.</p>	
5. B	<p><u>Multiple Access Techniques:</u></p> <p>Multiple access is a technique to provide communication service to multiple users over a single channel.</p> <p>It allows multiple users to share the allotted spectrum in the most effective manner:</p> <p>(i) <u>Frequency Division Multiple Access:</u></p> <p>In this technique, the each signal is assigned a different frequency ranges and any two signals should not have same type of frequency range.</p> <p>Signal A : (0 to 20 Hz) Signal B : (30 to 60 Hz) Signal C : (70 to 90 Hz)</p> <p>} There is no interference b/w them</p>	2M


Marks
Allotted

Question Numbers	Answers	Marks Allotted
	 <p>(ii) <u>Time Division Multiple Access:-</u> As the name suggests, each user is given a certain time frame. Within that time frame, the channel/user can access the entire spectrum bandwidth.</p> 	1½ M
	<p>(iii) <u>Code Division Multiple Access:-</u> In this technique, a unique code has been assigned to each channel to distinguish from each other.</p> 	1½ M


18/12/23

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MASTER OF BUSINESS ADMINISTRATION (MBA)
 Choice Based Credit System (CBCS) and Outcome Based Education (OBE)
 Academic Year 2023-24
 Semester-III (A & B)
 Continuous Internal Evaluation- I
 Date: 08/1/24- AN

Course Code:	22MBA302 - B	CIE Marks:	50
Course Title:	Information Technology For Managers	Exam Hrs:	90 minutes

Course Objectives: This course will enable the students to

CLO1. To make students understand the concept of information technology importance in today's corporate world.

CLO2. To create awareness about various Applications and emerging technologies available and its usages for excel the service in corporate sector.

CLO3. To create awareness about role of MIS and its contributions to Corporate

CLO4. To make students understand Role of Computers/Social science software contributions.

Note: 1. Answer **TWO** questions from question number 1 to 3.

2. Question number **4** is **COMPULSORY**.

Q SL No.	Questions	Marks	CO-PO	Bloom's Taxonomy Level
Q.1	a. Explain the need for MIS in an organization.	3	CO:1-PO:1,5	L2
	b. Explain the Importance of MIS in Business.	7	CO:1-PO:1,5	L2
	c. Explain the classification of Information Systems..	10	CO:1-PO:1,5	L2
Q.2	a. List the characteristics of TPS.	3	CO:1-PO:1,5	L1
	b. Explain the function of MIS.	7	CO:1-PO:1,5	L2
	c. Elaborate on the security challenges in E-Enterprise and highlight the different ways to protect from security threats.	10	CO:1-PO:1,5	L2
Q.3	a. Explain the characteristics of EIS.	3	CO:1-PO:1,5	L2
	b. Compare MIS & DSS.	7	CO:1-PO:1,5	L2
	c. Explain the components of an 'Expert System' and hoe it improves the efficiency of organization.	10	CO:1-PO:1,5	L2
Q.4	A new on-line teller system design for a medium size bank was approved by the president, signaling the beginning of implementation. The project leader devised a master plan to specify who is to perform each task and in what order. New deposit slips and withdrawers were ordered and delivered three weeks before implementation. In the interim, copies of the user manual were prepared for the lobby and drive-in-tellers Soon after the terminals were installed, the tellers begin to learn how to enter various transactions. After training sessions were over, they had a chance to ask questions and enquire about the new system. Once completed, the telephone company and the computer service representative hooked up the terminal on-line with the master system. The following Monday (a week before actual conversion), the analyst asked the head teller whether the tellers would come in on Saturday to catch up on their work and run test data to reinforce recent training. The head teller agreed to overtime, but on Saturday, only 12 of 17 tellers showed up.			

During that time, the entire system was checked out and functioned as expected. The bank opened the following Monday, the online system operated normally. Customers were greeted at the door by the president. Coffee and cake were served in the lobby. At the end of the day, the analyst sent a report to the board directors informing them that the system was now in operation and all user requirements had been met. Three weeks later the analyst was called to the board meeting. The chairman criticized the analyst for exceeding the budgeted amount approved by the board. Furthermore the authorization the analyst gave the terminal vendor to bring in two CRT screens to expedite information retrieval exceeded his authority to implement the system. The bank's auditor also estimated that it would take 3.8 years rather than the initial estimate of 2.1 years to break even on the total cost of the installation. Not knowing what to say, the analyst left the board room with a feeling of total failure

a) Explain the major problems in the case? Who is to blame? Why?

5

CO:2-PO:3

L2

(b) Was the board chairman justified in his criticism of the analyst? Explain.

5

CO:2-PO:3

L1

Course Outcomes: At the end of the course the student will be able to:

CO1: Understand the importance of Information technology for business.

CO2 Develop insights into technology and investigate its impact on Business.

CO3 Understand Various Measures of Technology available in corporate world.

CO4 Understanding how creativity and innovative Technologies help to find a solution to problems..

PO \ CO	PO1	PO2	PO3	PO4	PO5
CO1	1	-	-	-	2
CO2			2		

"1" – Slight (Low) Correlation, "2" – Moderate (Medium) Correlation,

"3" – Substantial (High) Correlation and "-" indicates there is no correlation.

A. Sahana
Dr. A. Sahana
Faculty

Dr. K. Tharaka Rami Reddy
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DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)
Continuous Internal Evaluation-I
Scheme of Evaluation

Subject: Information Technology For Managers (Set-B)
Name of the Faculty: Dr. SAHANA A

Semester: 3rd A & B
Subject Code: 22MBA302

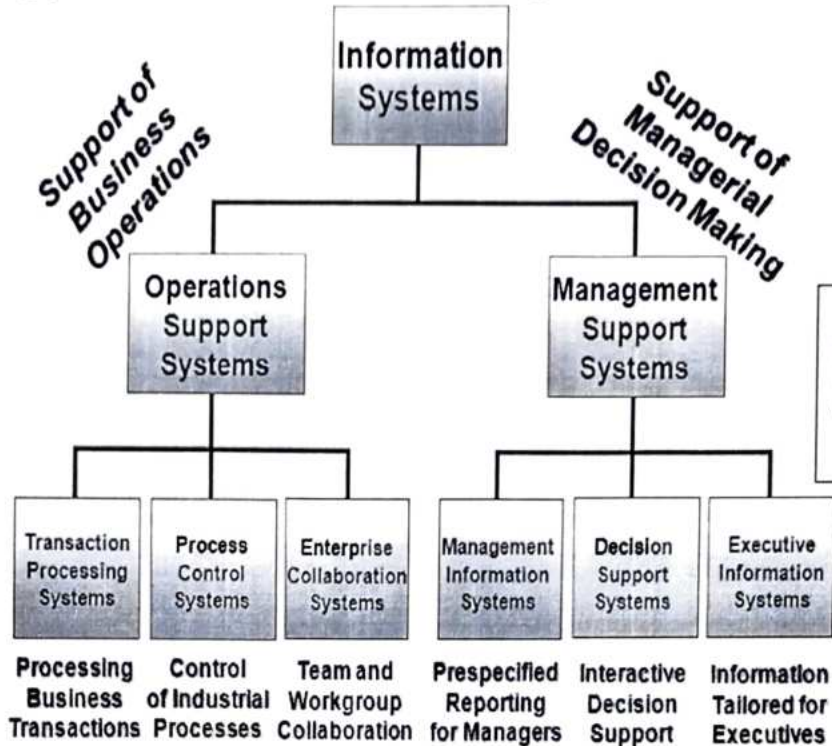
Question Numbers	Answers	Marks Allotted
Q.1	<p>a. Explain the need for MIS in an organization.</p> <p>The following are some of the justifications for having an <u>MIS system</u>.</p> <ul style="list-style-type: none">▶ Decision makers need information to make effective decisions. Management Information Systems (MIS) make this possible.▶ MIS systems facilitate communication within and outside the organization – employees within the organization are able to easily access the required information for the day to day operations. Facilitates such as Short Message Service (SMS) & Email make it possible to communicate with customers and suppliers from within the MIS system that an organization is using.▶ Record keeping – management information systems record all business transactions of an organization and provide a reference point for the transactions. <p>b. Explain the Importance of MIS in Business.</p>	3
	<p style="text-align: center;">Importance of MIS in business</p> <p>2 marks for listing the points 5 marks for the explanation</p>	7

A. Sahana
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Mangalhalli, Hosur Road

c. Explain the classification of Information Systems..

Types of Information Systems



10

2 marks for listing the points
8 marks for the explanation

Q2.

a. List the characteristics of TPS.

- Large amounts of data are processed.
- The sources of data are mostly internal, and the output is intended mainly for an internal audience.
- Processes information on a regular basis - daily, weekly, monthly, etc.
- Large storage capacity is required (database)
- High processing speed is needed due to the high volume.
- Input and output data are structured (i.e., standardized).
- A high level of accuracy, data integrity, and security is needed.
- High reliability is required.

3

b. Explain the function of MIS.

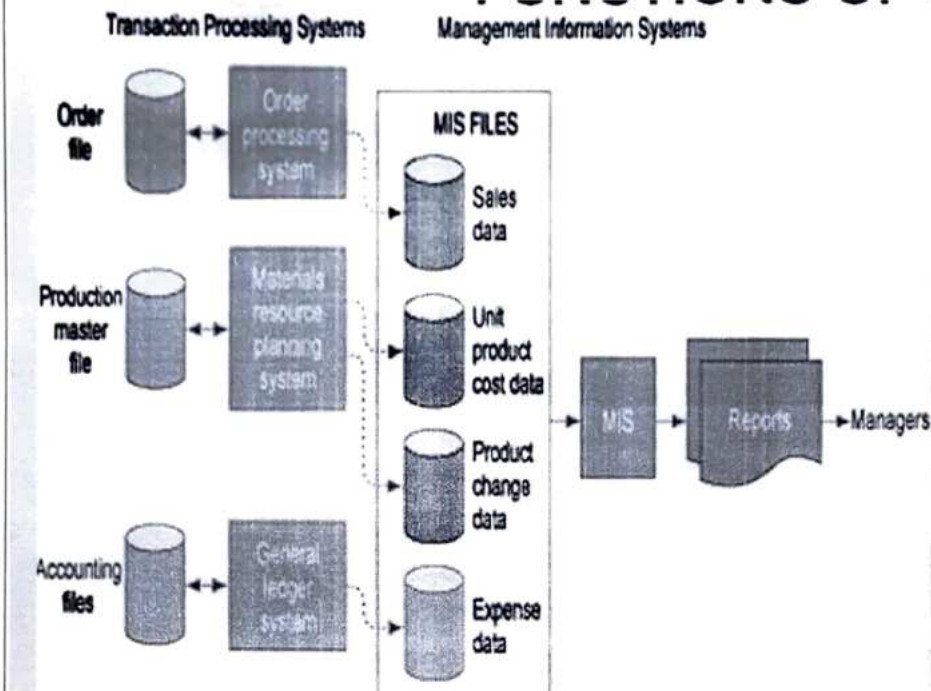
Following are the functions of MIS:

1. Collecting data
2. Processing Data
3. Storing information
4. Retrieving information
5. Disseminating information

2 marks for listing the points
5 marks for the explanation

A. Subana
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Bommanahalli, Hosur Road
560 068



7

c. Elaborate on the security challenges in E-Enterprise and highlight the different ways to protect from security threats.

► **Security Challenges in E-Enterprises**

- Data Security: Protecting data from unauthorized access and breaches.
- Cyber security: Safeguarding against cyber threats, attacks, and malware.
- Identity Theft: Preventing unauthorized use of personal or organizational identities.
- Compliance: Ensuring adherence to legal and regulatory requirements

10

Ways to protect ecommerce site from security threats:

- Choose a secure ecommerce platform.
- Use a secure connection for checkout (SSL).
- Don't store sensitive user data.
- Request strong passwords from your users.
- Setup system alerts for suspicious activities.
- Use tracking numbers for all orders.
- Always backup your system and database.
- Use anti virus softwares and anti-malwares
- Deactivating auto-fills.
- Updating cookies.
- Encrypt and decrypt security and use two step verification methods.

2 marks for listing the points
8 marks for the explanation

a. Explain the characteristics of EIS.

Q3.

- **Detailed data** – EIS provides absolute data from its existing database.
- **Integrate external and internal data** – EIS integrates integrate external and internal data. The external data collected from various sources.
- **Presenting information** – EIS represents available data in graphical form which helps to analyze it easily.
- **Trend analysis** – EIS helps executives of the organizations to data prediction based on trend data.

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- **Easy to use** – It is a very simplest system to use.

2 marks for listing the points
5 marks for the explanation

b. Compare MIS & DSS.

Comparison b/w MIS & DSS

	MIS	DSS
Input	Output of TPS	Output of TPS & MIS Low volume data
Processing	Extraction & manipulation of business data	Analytical modeling of business data
Output	Periodic, exceptions, demand and past reports and responses	Interactive queries and responses
Users	Middle level manager	Top Level manager
Goal	Production of summary and exception reports	Ad-hoc query handling
Decision & support	Provide information about the performance of the organization	Provide decision support technique to analyse specific problem /opportunities

7

- c. Explain the components of an 'Expert System' and hoe it improves the efficiency of organization.

Expert Systems are the category of AI which has been used most successfully in building commercial applications.

According to O'Brien & Marakas Expert systems are Knowledge-based systems that provide expert advice and act as expert consultants to users. An expert system is a computer program that tries to emulate (Imitate) human reasoning. Expert System is a set of computer programs that perform a task at the level of a human expert

- Before using any technology, we must have an idea about why to use that technology and hence the same for the ES. Although we have human experts in every field, then what is the need to develop a computer-based system. So below are the points that are describing the need of the ES:
- **No memory Limitations:** It can store as much data as required and can memorize it at the time of its application. But for human experts, there are some limitations to memorize all things at every time.
- **High Efficiency:** If the knowledge base is updated with the correct knowledge, then it provides a highly efficient output, which may not be possible for a human.
- **Expertise in a domain:** There are lots of human experts in each domain, and they all have different skills, different experiences, and different skills, so it is not easy to get a final output for the query. But if we put the knowledge gained from human experts into the expert system, then it provides an efficient output by mixing all the facts and knowledge
- **Not affected by emotions:** These systems are not affected by human emotions such as fatigue, anger, depression, anxiety, etc.. Hence the performance remains constant.
- **High security:** These systems provide high security to resolve any query.
- **Considers all the facts:** To respond to any query, it checks and considers all the

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available facts and provides the result accordingly. But it is possible that a human expert may not consider some facts due to any reason.

- **Regular updates improve the performance:** If there is an issue in the result provided by the expert systems, we can improve the performance of the system by updating the knowledge base.
- An expert system mainly consists of three components:
- **User Interface**
- **Inference Engine**
- **Knowledge Base**
- **1. User Interface**
- With the help of a user interface, the expert system interacts with the user, takes queries as an input in a readable format, and passes it to the inference engine. After getting the response from the inference engine, it displays the output to the user. In other words, **it is an interface that helps a non-expert user to communicate with the expert system to find a solution.**
- **2. Inference Engine(Rules of Engine)**
- The inference engine is known as the brain of the expert system as it is the main processing unit of the system. It applies inference rules to the knowledge base to derive a conclusion or deduce new information. It helps in deriving an error-free solution of queries asked by the user.
- With the help of an inference engine, the system extracts the knowledge from the knowledge base.
- There are two types of inference engine:
- **Deterministic Inference engine:** The conclusions drawn from this type of inference engine are assumed to be true. It is based on **facts and rules.**
- **Probabilistic Inference engine:** This type of inference engine contains uncertainty in conclusions, and based on the probability.
- Inference engine uses the below modes to derive the solutions:
- **Forward Chaining:** It starts from the known facts and rules, and applies the inference rules to add their conclusion to the known facts.
- **Backward Chaining:** It is a backward reasoning method that starts from the goal and works backward to prove the known facts.
- **3. Knowledge Base**
- The knowledgebase is a type of storage that stores knowledge acquired from the different experts of the particular domain. It is considered as big storage of knowledge. The more the knowledge base, the more precise will be the Expert System.
- It is similar to a database that contains information and rules of a particular domain or subject.
- One can also view the knowledge base as collections of objects and their attributes. Such as a Lion is an object and its attributes are it is a mammal, it is not a domestic animal, etc.

10

2 marks for listing the points
8 marks for the explanation

- Q4. a) Explain the major problems in the case? Who is to blame? Why?
(b) Was the board chairman justified in his criticism of the analyst? Explain

Students need to justify the difference between the BEP & the cost estimate and was the board chairman justified in his criticism of the analyst.

5 marks for identifying the issue and
5 marks for explaining the justification

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B.E. Electronics and Communication Engineering
Outcome Based Education (OBE) and Choice Based Credit System (CBCS), VTU
Semester-V (A&B)
Continuous Internal Evaluation- III
Date: 11-03-2024(FN)

Subject Code:	21EC51-A	CIE Marks:	20
Subject Title:	Digital Communication	Exam Hrs.:	60 minutes

Course Objectives:

- CLO 1. Understand the concept of signal processing of digital data and signal conversion to symbols at the transmitter and receiver.
- CLO 2. Compute performance metrics and parameters for symbol processing and recovery in ideal and corrupted channel conditions.
- CLO 3. Understand the principles of spread spectrum communications.
- CLO 4. Understand the basic principles of information theory and various source coding techniques.
- CLO 5. Build a comprehensive knowledge about various Source and Channel Coding techniques.
- CLO 6. Discuss the different types of errors and error detection and controlling codes used in the communication channel.
- CLO 7. Understand the concepts of convolution codes and analyze the code words using time domain and transform domain approach.

Note: Answer FIVE full questions

Q.No	Questions	Marks	CO-PO Mapping	Bloom's Taxonomy Level
Q.1	A. Describe the geometric representation of signals. Also show that energy of the signal is equal to squared length of the vector representing it.	4	CO2- PO:1,2,3,4, 5,6	L2
	OR B. Derive the mean and variance of correlator outputs.	4	CO2- PO:1,2,3,4, 5,6	L3
Q.2	A. Apply Gram Schmidt Orthogonalization procedure and find the set of orthonormal basis functions to represent three signals $S_1(t)$, $S_2(t)$ and $S_3(t)$. Express each of these signals in terms of set of basis functions found.	4	CO2- PO:1,2,3,4, 5,6	L3



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	B. Explain the CDMA system forward link base on IS-95.	4	CO3- PO:1,2,3,4, 5,6	L2
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Course Outcomes:At the end of the course, the student will be able to:

CO1:Analyze different digital modulation techniques and choose the appropriate modulation technique for the given specifications.

CO2: Test and validate symbol processing and performance parameters at the receiver under ideal and corrupted bandlimited channels.

CO3: Differentiate various spread spectrum schemes and compute the performance parameters of communication system.

CO4: Apply the fundamentals of information theory and perform source coding for given message.

CO5: Apply different encoding and decoding techniques with error Detection and Correction.

COs/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO2	2	2	3	3	2	1	-	-	-	-	-	-
CO3	2	3	3	3	1	2	-	-	-	-	-	-

a)Substantial (High) /3 b) Moderate (Medium) /2 c) Slight (Low) /1 d) NoCorrelation/-



Faculty

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 Department of Electronics and Communication Engineering
 Continuous Internal Evaluation - III
 Scheme of Evaluation

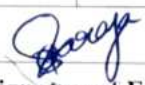
Subject: Digital Communication


Semester: V

Name of the Faculty: Thanka Saranya C

Subject Code: 21EC51-A

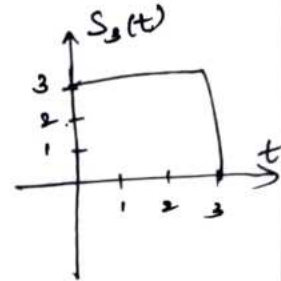
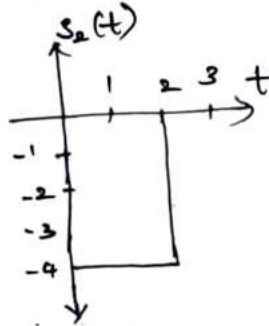
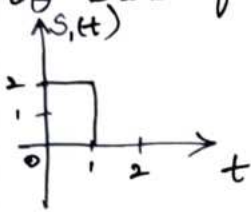
Question Numbers	Answers	Marks Allotted
1 A	<p>Describe the geometric representation of signals. Also show that energy of the signal is equal to squared length of the vector representing it.</p> $S_i(t) = \sum_{j=1}^N S_{ij} \Phi_j(t)$ $S_{ij} = \int_0^T S_i(t) \Phi_j(t) dt$ <p>derive,</p> $\int_0^T \Phi_i(t) \Phi_j(t) dt = \begin{cases} 1 & \text{for } i=j \\ 0 & \text{for } i \neq j \end{cases}$ <p>Energy, $E_i = \int_0^T S_i^2(t) dt$</p> <p>derive. $E_i = \ S_i\ ^2 = \sum_{j=1}^N S_{ij}^2 = S_i^T S_i$</p>	<p>02 M</p> <p>02 M</p>
1 B	<p>OR</p> <p>Derive the mean and variance of correlator outputs.</p> <p>Received signal, $x(t) = S_i(t) + N(t)$</p> <p>Output of correlator, $X_j = \int_0^T x(t) \Phi_j(t) dt$</p> $X_j = S_{ij} + N_j$ <p>New random process, $x'(t) = x(t) - \sum_{j=1}^N X_j \Phi_j(t)$</p> $x'(t) = N(t) - \sum_{j=1}^N N_j \Phi_j(t) = N'(t)$ <p>Mean value, $E(X_j) = S_{ij} \quad \therefore E(N_j) = 0$</p> <p>Variance, $\sigma_{X_j}^2 = \frac{N_0}{2}$</p>	<p>01 M</p> <p>01 M</p> <p>01 M</p> <p>01 M</p>


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2A

Using the Gram Schmidt orthogonalization procedure, find the set of orthonormal basis functions to represent three signals $s_1(t)$, $s_2(t)$ and $s_3(t)$. Express each of these signals in terms of set of basis functions found.



All three signals $s_1(t)$, $s_2(t)$, $s_3(t)$ are not linear combination of each other. Hence they are linearly independent. Hence we require 3 basis functions.

To obtain $\phi_1(t)$:-

$$E_1 = \int_0^1 s_1^2(t) dt = 4 ; \phi_1(t) = \frac{s_1(t)}{\sqrt{E_1}} = 1$$

$$\phi_1(t) = \begin{cases} 1 & ; 0 \leq t < 1 \\ 0 & ; \text{otherwise} \end{cases}$$

01 M

To obtain $\phi_2(t)$:-

$$E_2 = \int_0^2 g_2^2(t) dt ; S_{21} = \int_0^1 s_2(t) \phi_1(t) dt$$

$$E_2 = 16 \quad S_{21} = -4 \text{ for } 0 \text{ to } 1$$

01 M

$$g_2(t) = s_2(t) - S_{21} \phi_1(t) ; \phi_2(t) = \frac{g_2(t)}{\sqrt{E_2}}$$

$$g_2(t) = \begin{cases} 0 & ; 0 \leq t < 1 \\ -4 & ; 1 \leq t \leq 2 \\ 0 & \text{otherwise} \end{cases}$$

$$\phi_2(t) = \begin{cases} 1 & ; 1 \leq t \leq 2 \\ 0 & \text{elsewhere} \end{cases}$$

To obtain $\phi_3(t)$:-

$$E_3 = \int_0^3 g_3^2(t) dt = 9 ; S_{31} = \int_0^1 s_3(t) \phi_1(t) dt$$

$$S_{31} = 3$$

Question Numbers

Answers

Marks Allotted

$$g_3(t) = s_3(t) - [s_{31}\phi_1(t) + s_{32}\phi_2(t)]$$

$$g_3(t) = \begin{cases} 0 & ; 0 \leq t \leq 1 \\ 3 & ; 2 \leq t \leq 3 \\ 0 & ; \text{elsewhere} \end{cases}$$

01 M

$$\phi_3(t) = \frac{g_3(t)}{\sqrt{E_3}} ; \quad \phi_3(t) = \begin{cases} 1 & ; 2 \leq t \leq 3 \\ 0 & ; \text{elsewhere} \end{cases}$$

$$s_1(t) = \sqrt{E_1} \phi_1(t) ; \quad s_2(t) = g_2(t) + s_{21}\phi_1(t)$$

$$s_1(t) = 2\phi_1(t)$$

$$s_2(t) = \sqrt{E_2}\phi_2(t) + s_{21}\phi_1(t)$$

$$s_2(t) = 4\phi_2(t) - 4\phi_1(t)$$

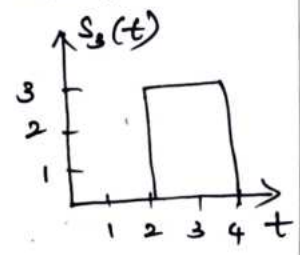
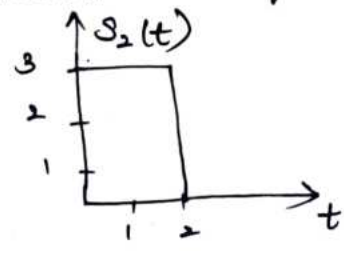
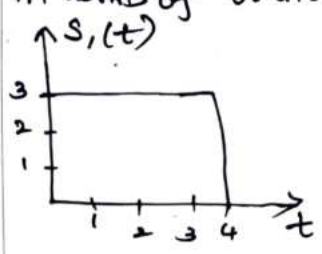
01 M

$$s_3(t) = g_3(t) + [s_{31}\phi_1(t) + s_{32}\phi_2(t)] \\ = \sqrt{E_3}\phi_3(t) + s_{31}\phi_1(t) + s_{32}\phi_2(t)$$

$$s_3(t) = 3\phi_3(t) + 3\phi_1(t) - 3\phi_2(t)$$

OR

2B. Apply Gram Schmidt procedure to obtain an orthonormal basis for the signals $s_1(t)$, $s_2(t)$ and $s_3(t)$. Express $s_1(t)$, $s_2(t)$, $s_3(t)$ in terms of orthonormal basis functions.



Question Numbers	Answers	Marks Allotted
	<p>Here $S_3(t) = S_1(t) - S_2(t)$ Hence we obtain basis function for $S_1(t)$ and $S_2(t)$ only.</p> <p>To obtain $\phi_1(t)$:- $E_1 = \int_0^4 S_1^2(t) dt = 36$; $\phi_1(t) = \frac{S_1(t)}{\sqrt{E_1}}$</p> $\phi_1(t) = \begin{cases} \frac{1}{2} & ; 0 \leq t \leq 4 \\ 0 & ; \text{otherwise} \end{cases}$	01M
	<p>To obtain $\phi_2(t)$:- $\phi_2(t) = \frac{g_2(t)}{\sqrt{E_2}}$; $g_2(t) = S_2(t) - S_{21}(t)\phi_1(t)$</p> $E_2 = \int_0^4 g_2^2(t) dt$; $g_2(t) = \begin{cases} \frac{3}{2} & ; 0 \leq t \leq 2 \\ -\frac{3}{2} & ; 2 \leq t \leq 4 \\ 0 & \text{elsewhere} \end{cases}$ <p>$E_2 = 9$</p> $\phi_2(t) = \begin{cases} \frac{1}{2} & ; 0 \leq t \leq 2 \\ -\frac{1}{2} & ; 2 \leq t \leq 4 \end{cases}$	01M
	<p>To obtain $\phi_3(t)$:- $S_1(t) = \sqrt{E_1} \phi_1(t)$; $S_2(t) = g_2(t) + S_{21}(t)\phi_1(t)$ $S_2(t) = \sqrt{E_2} \phi_2(t) + S_{21}(t)\phi_1(t)$</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;">$S_1(t) = 6\phi_1(t)$</div> <div style="border: 1px solid black; padding: 5px;">$S_2(t) = 3\phi_2(t) + 3\phi_1(t)$</div> </div> <p>$S_3(t) = S_1(t) - S_2(t)$</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">$S_3(t) = 3\phi_1(t) - 3\phi_2(t)$</div>	02M

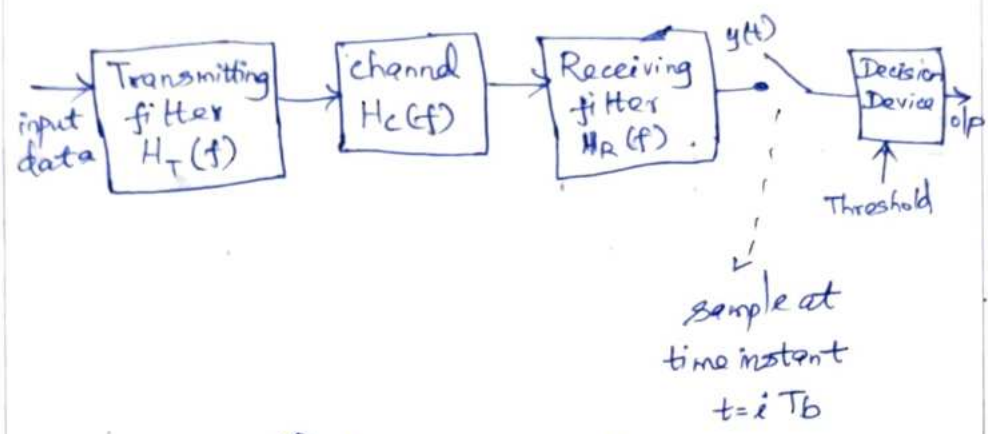
Question Numbers

Answers

Marks Allotted

3A

With a neat block diagram, explain the digital PAM transmission band limited base band channel.



0.2M

$$x(t) = \sum_{k=-\infty}^{\infty} A_k g(t - kT_b)$$

$$A_k = \begin{cases} +a & ; b_k = -1 \\ -a & ; b_k = 0 \end{cases}$$

Output,

$$y(t) = \mu \sum_{k=-\infty}^{\infty} A_k p(t - kT_b)$$

$$H(f) = H_T(f) + H_c(f) + H_R(f)$$

Receiving filter output is sampled at $t = iT_b$,

$$y(t_i) = \mu A_i p(0) + \mu \sum_{\substack{k=-\infty \\ k \neq i}}^{\infty} A_k p[(i-k)T_b]$$

0.2M

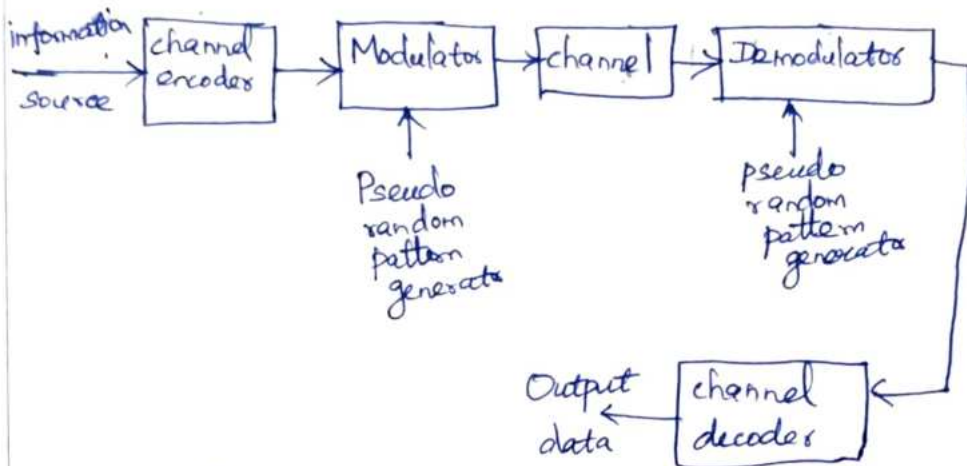
$$y(t_i) = \mu A_i + \mu \sum_{\substack{k=-\infty \\ k \neq i}}^{\infty} A_k p[(i-k)T_b]$$

with no ISI, $y(t_i) = \mu A_i$

OR

4A

Explain the model of Spread Spectrum digital Communication System.

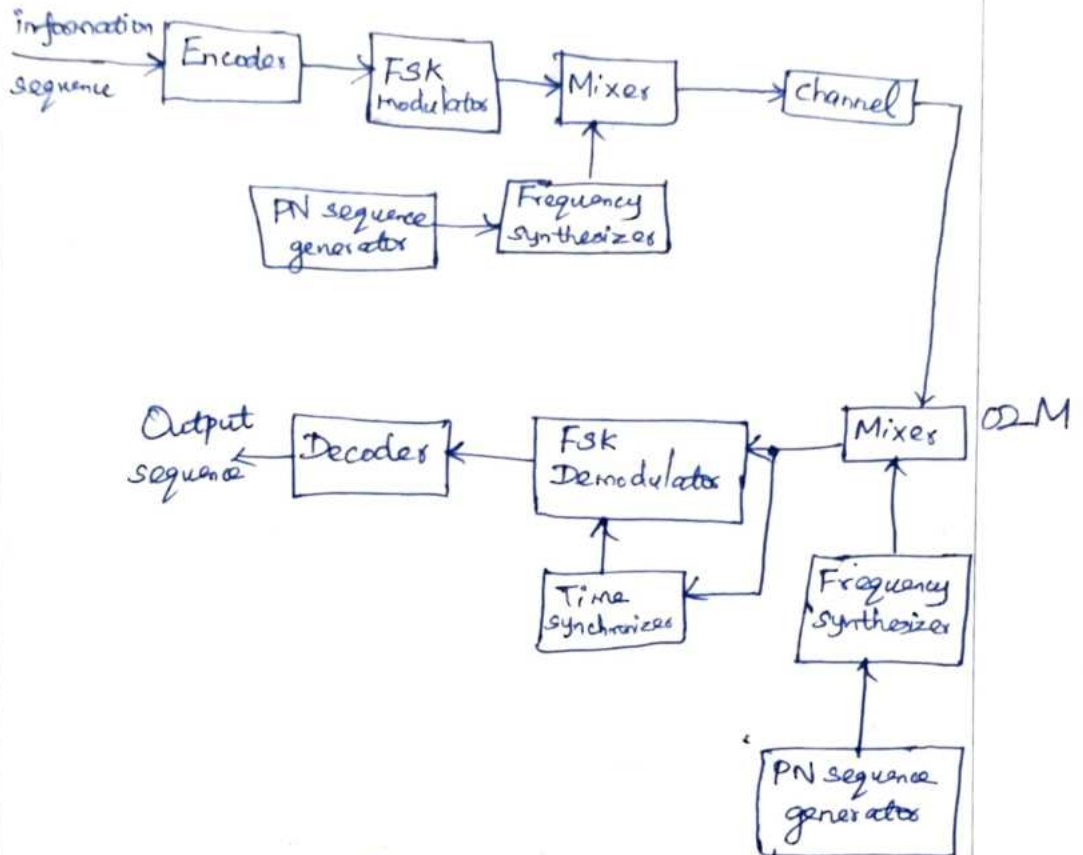


02 M

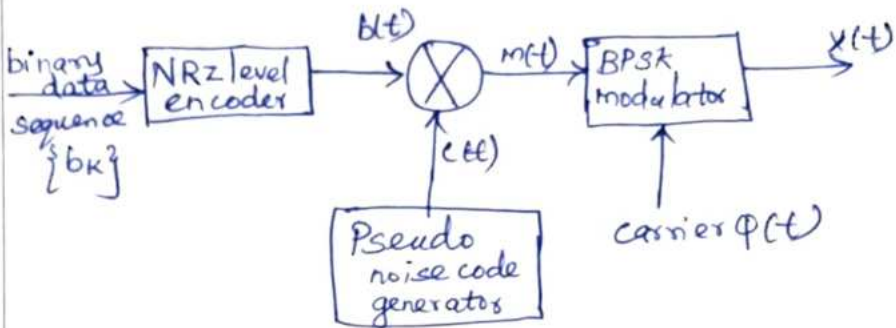
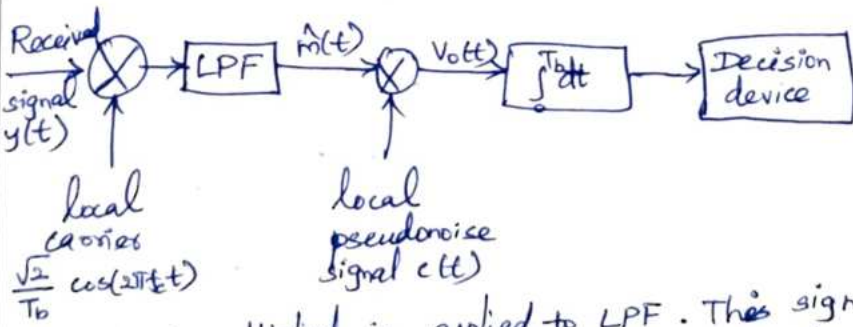
- channel encoder encodes input sequence according to error control coding technique.
- coded sequence given to modulator. Modulator gets pseudo random or pseudonoise (PN) sequence from pseudo random pattern generator.
- Pseudo noise sequence spreads signal randomly over wide frequency band. The signal at output of modulator is spread spectrum modulated signal.
- At receiver, demodulator gets coded signal.
- Channel decoder at receiver gets binary information sequence.
- Receiver can detect transmitted spread spectrum signals only if it knows the pseudo noise sequence.

02 M

4B With a neat block diagram, explain the frequency hopped spread spectrum.



- input binary data sequence is applied to Many FSK modulators.
- Output of FSK modulator is then applied to a mixer.
- Output of frequency synthesizer at particular instant is frequency slot or hop. Output is sum of frequency hop from synthesizer and FSK signal.
- received FH/MFSK signal is applied to mixer.
- Output of frequency synthesizer is also given to mixer. Only difference frequencies are allowed to pass out of mixer. These signals are given to noncoherent Many FSK detector.

Question Numbers	Answers	Marks Allotted
5A	<p>Explain the generation and demodulation of direct sequence spread spectrum signals with necessary equations diagrams.</p>  <p>fig. Transmitter</p> <p>The binary data sequence is given to NRZ level encoder. The pseudo noise sequence generator generates and encodes the sequence. Multiplier multiplies the two signals $b(t)$ and $c(t)$. This signal is given as modulating signal to Modulator.</p> <p>Carrier is $\phi(t) = \sqrt{2P_s} \sin(2\pi f_c t)$</p> <p>Transmitted signal is</p> $x(t) = \sqrt{2P_s} m(t) \sin(2\pi f_c t)$  <p>output of multiplied is applied to LPF. This signal is applied to second demodulator which despreads the signal. The decision is then taken depending upon polarity of output.</p>	<p>01 M</p> <p>01 M</p> <p>01 M</p> <p>01 M</p>

Question Numbers	Answers	Marks Allotted
5B.	<p>Explain the CDMA system forward link based on IS-95.</p> <p>Transmitter receiver pair uses a distinct pseudorandom frequency hopping pattern. The frequency hopping pattern for every transmitter receiver pair is unique. The transmitter and receivers have identical encoder, decoders, modulators and demodulators. Processing gain is higher in FHSS. Capacity of CDMA system is increased.</p>	02M

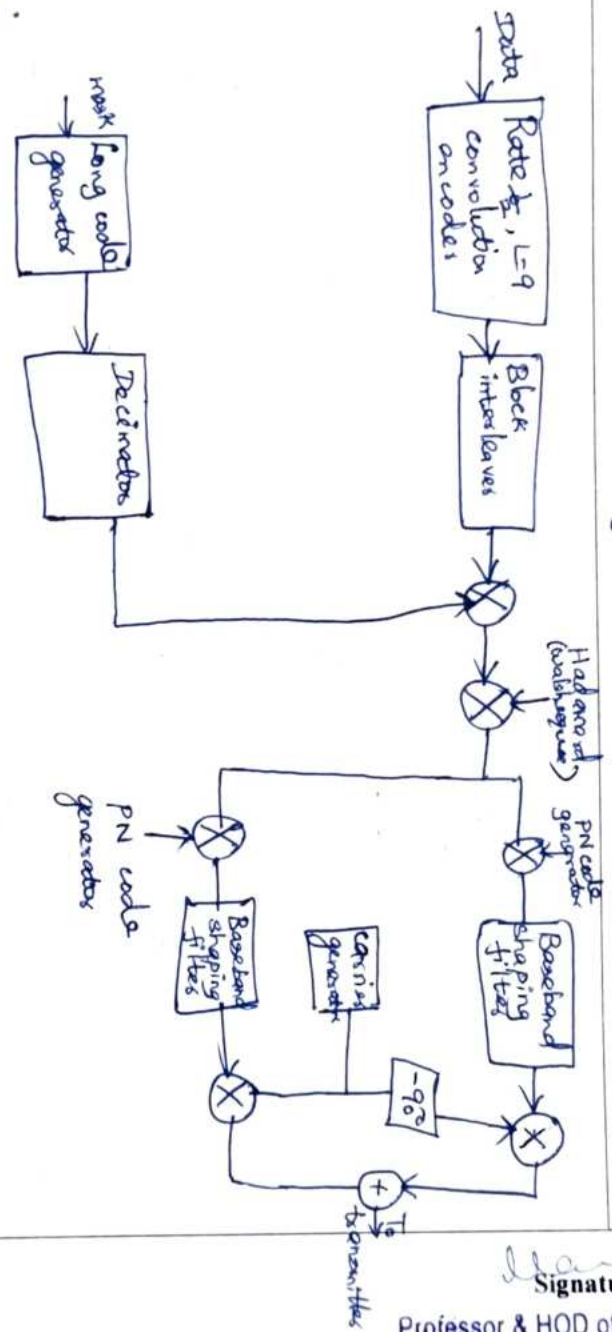


Fig. Forward link in CDMA.

02M

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B.E. Automobile Engineering
Outcome Based Education (OBE) and Choice Based Credit System (CBCS), VTU
Semester-VII
Continuous Internal Evaluation- II
Date: 20-11-2023/AN

Subject Code:	18AU72-A	CIE Marks:	30
Subject Title:	Automotive Electrical & Electronic System	Exam Hrs.:	90 minutes

Course Objectives: This course will enable the students to

- Explain the construction of battery used in automotive vehicles.
- Describe the construction and working of D.C. generator, alternator, cranking motor, ignition systems along with trouble shooting.
- Discuss the faults arising in automotive wiring and lighting system.
- Design layout of electrical systems. Use transducers and sensors in electronic circuits.
- Explain various aspects of electrical and Hybrid vehicles

Note: Answer FIVE full questions

Q. NO	Questions	Marks	CO-PO	Bloom's Taxonomy Level
Q.1	A. Explain Battery ignition system with sketch.	6	CO 3, -PO 1,2,3,6,7,11, 12	L2
	OR B. Explain Magneto ignition system with sketch.	6	CO 3, -PO 1,2,3,6,7,11, 12	L2
Q.2	A. Explain the difference between Battery ignition system & magneto ignition system.	6	CO 3, -PO 1,2,3,6,7,11, 12	L2
	OR B. Explain the principle of Automobile Illumination.	6	CO 3, -PO 1,2,3,6,7,11, 12	L2
Q.3	A. Explain the construction of Sealed beam Headlamp mounting.	6	CO 3, -PO 1,2,3,6,7,11, 12	L2
	OR B. Explain the following i) Electric Horn ii) Temperature gauge	6	CO 3, -PO 1,2,3,6,7,11, 12	L2
Q.4	A Mention the Exhaust Emission Control Methods. OR	6	CO 4, - PO 1,2,3,6,7,11, 12	L1

	B. Explain Seat Belt Tensioner with sketch.	6	CO 4, -PO 1,2,3,6,7,11, 12	L2
Q.5	A. Define Air Bag. Mention the components of Air Bag.	6	CO 4, -PO 1,2,3,6,7,11, 12	L1
	OR			
	B. Explain the working of ABS with neat sketch.	6	CO 4,-PO 1,2,3,6,7,11, 12	L2

Course Outcomes: After studying this course, students will able to
CO1: Explain the construction of battery used in automotive vehicles.
CO2: Describe the construction and working of D.C. generator, alternator, cranking motor, ignition systems along with trouble shooting
CO3: Discuss the faults arising in automotive wiring and lighting system.
CO4: Design layout of electrical systems. Use transducers and sensors in electronic circuits.
CO5: Explain various aspects of electrical and Hybrid vehicles

PO CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO3	3	2	2	-	-	3	3	-	-	-	3	3
CO4	3	2	3	-	-	2	3	-	-	-	2	3

“1” – Slight (Low) Correlation, “2” – Moderate (Medium) Correlation,
“3” – Substantial (High) Correlation and “-” indicates there is no correlation.


Faculty

Pradeep C


HOD-AUTO

Dr. Raju B R

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DEPARTMENT OF AUTOMOBILE ENGINEERING

THE OXFORD COLLEGE OF ENGINEERING

Hosur Road, Bommanahalli, Bengaluru-560 068

Website: www.theoxford.edu Email : engprincipal@theoxford.edu

(Approved by AICTE, New Delhi, Accredited by NAAC, New Delhi & Affiliated to VTU, Belgaum)

SCHEME & SOLUTION FOR CIE-2

DEPARTMENT OF AUTOMOBILE ENGINEERING

SUB CODE: 18AU732-B

DATE: 21/11/2023

SUB NAME: Earth moving Equipments & Tractors

MAX MARK: 30

SEM: VII Sem

DURATION: 1Hr 30Mins

Q. No.		Marks
1.A	List minimum 6 working system each $\frac{1}{2}$ mark-3	03
	Explanation for each working system $\frac{1}{2}$ mark-3	03
B.	Student must write minimum 6-8 lines of working principle & function for rubber spring suspension system	06
	6X1=06	06
2.(A)	Neat sketch for undercarriage system of earthmoving vehicles	03
	Explanation to undercarriage system	03
B)	Student should write at least 8 Tractor attachment each $\frac{1}{2}$ mark $\frac{1}{2} \times 8 =$	04
	Applications of the attachments	02
3.(A)	Neat diagrams/sketch for the twin counter shaft	06
		03
	Explanation of the working principle	03
		06

(B)	Sketch for the Automatic Injection Timer	03
	Working & function of Automatic Injection Timer	03
4. (A)	List the Basic types of Transmission system.	06
	Sketch the Planetary transmission system	02
	Explanation to the Planetary transmission	02
		06
(B)	Minimum 6 functions must be explained each 1 Mark } 1x6 = 06M for After cooler.	06
5. (A)	Sketch for the single and double reduction final drive	03
	Explanation to the single & double reduction final drive	03
		06
(B)	Importance of PTO shaft - 2 Marks	02
	Working of PTO shaft in tractor	02
	Application of PTO shaft	02
		06
	End	


FACULTY SIGNATURE


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THE OXFORD COLLEGE OF ENGINEERING, BANGALORE -560 068
(Approved by AICTE, New Delhi, Accredited by NAAC-A Grade & Affiliated to VTU, Belagavi-590 018)

B.E. Mechanical Engineering
Outcome Based Education (OBE) and Choice Based Credit System (CBCS), VTU
Semester-VIII
Continuous Internal Evaluation-I
Date: 15/03/2024 (AN)

Subject Code:	18ME823-A	IA Marks:	30
Subject Title:	NON-DESTRUCTIVE TESTING AND EVALUATION	Exam Hrs:	90 minutes

Course Objectives:

CLO1: To introduce the basic principles, techniques, equipment, applications and limitations of Non-Destructive Testing (NDT) methods such as Visual, Penetrant Testing, Magnetic Particle Testing, Ultrasonic Testing, Radiography, Eddy Current.

CLO2: To enable selection of appropriate NDT methods.

CLO3: To identify advantages and limitations of NDT methods

CLO4: To make aware the developments and future trends in NDT.

Note: Answer FIVE full questions

Q. No	Question	Marks	CO-PO	Bloom's Taxonomy Level
Q.1	A. What are the advantages and limitations of Visual inspection test?	06	CO1-PO1,6	L1
	OR B. Explain three commonly used hardness testing methods.	06	CO1-PO1,6	L2
Q.2	A. Explain briefly different destructive tests.	06	CO1-PO1,6	L2
	OR B. Describe Visual inspection test.	06	CO1-PO1,6	L2
Q.3	A. What are the difference between destructive and NDT?	06	CO1-PO1,6	L1
	OR B. What is NDT ? Explain uses of NDT methods.	06	CO1-PO1,6	L1
Q.4	A. What are the advantages and limitations of Liquid Penetrant testing?	06	CO2-PO1,2,3,6	L1
	OR B. What are the advantages and limitations of Magnetic particle testing	06	CO2-PO1,2,3,6	L1
Q.5	A. Illustrate the Liquid Penetrant testing	06	CO2-PO1,2,3,6	L2
	OR B. Discuss Magnetic particle testing.	06	CO2-PO1,2,3,6	L2

Course Outcomes: After studying this course, students will be able to

CO1: Classify various non-destructive testing methods.

CO2: Check different metals and alloys by visual inspection method.

CO3: Explain and perform non-destructive tests like: Liquid penetrate test, Magnetic particle test, Ultrasonic test, X-ray and Gamma ray radiography, Leak Test, Eddy current test.

CO4: Identify defects using relevant NDT methods.

CO5: Differentiate various defect types and select the appropriate NDT methods for better evaluation.

CO6: Document the testing and evaluation of the results.

Align properly

PO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	1	-	-	-	-	1	-	-	-	-	-	-
CO2	1	1	1	-	-	1	-	-	-	-	-	-

"1" – Slight (Low) Correlation, "2" – Moderate (Medium) Correlation,

"3" – Substantial (High) Correlation and "-" indicates there is no correlation.

Change as per scheme

[Signature]

Faculty
(Dr. Raviprakash M)

[Signature]
HOD

(Dr. Madhu Sudana Reddy G)

Prof. & Head
Department of Mechanical Engineering
The O. J. S. College of Engineering
Sangareddy, Sangareddy - 508 004



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Department of Mechanical Engineering
Continuous Internal Evaluation-I
Scheme of Evaluation

Handwritten notes:
Calculation
Key point
Chart
accuracy

Subject: Non-Destructive Testing and Evaluation (Set-B)

Name of the Faculty: Dr. Raviprakash M

Semester: 8th

Subject Code: 18ME823

Q. No	Scheme & Solution	Marks Allocated
1.A	<p>NDT stands for Non-Destructive Testing. It is a set of inspection techniques used to evaluate the integrity, properties, and quality of materials, components, and structures without causing damage or altering their usability-----2M</p> <p>Uses Of NDT Methods.</p> <p>Non-destructive evaluation of materials and structures without causing damage or alteration.</p> <p>Real-time inspection capabilities for immediate detection and analysis of defects and anomalies.</p> <p>Cost-effective and efficient assessment of material quality, integrity, and performance.</p> <p>Enhanced safety by identifying potential hazards, weaknesses, and failure risks in advance.</p> <p>Improved quality assurance, product reliability, and regulatory compliance across various industries.-----4M</p> <p>OR</p>	6
1.B	<p>Destructive Testing (DT)</p> <ol style="list-style-type: none">1) In DT, the specimen or sample undergoes permanent alteration or damage during the testing process.2) The primary objective of DT is to determine the ultimate strength, durability, failure modes, and other mechanical properties of materials or components by subjecting them to extreme conditions or loading scenarios that induce failure or deformation.3) Common DT methods include tensile testing, impact testing, hardness testing, bend testing, fatigue testing, and destructive metallurgical analysis techniques such as metallographic, micro hardness testing, and chemical analysis.4) DT is typically used during material qualification, product development, failure analysis, and research and development activities.-----3M <p>Non-Destructive Testing (NDT)</p> <ol style="list-style-type: none">1) NDT techniques evaluate the properties and conditions of materials, components, or products without causing damage or alteration to the	6

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Bangalore 560 076

specimen.

- 2) NDT aims to identify, locate, and characterize defects, flaws, cracks, voids, inclusions, and other discontinuities within materials, components, or structures without causing harm or alteration.
- 3) NDT encompasses a wide range of testing techniques, including ultrasonic testing (UT), radiographic testing (RT), magnetic particle testing (MPT), liquid penetrant testing (LPT), eddy current testing (ECT), visual testing (VT), thermography, acoustic emission testing (AET), and electromagnetic testing (ET).
- 4) NDT is widely employed in manufacturing, construction, aerospace, automotive, energy, infrastructure, and healthcare industries for quality assurance, condition monitoring, asset integrity management, and safety inspections.-----3M

Different types of destructive tests :

2A

Tensile Testing:

- Principle: Tensile testing is used to determine the tensile strength, yield strength, elongation, and other mechanical properties of materials under tension.
- Procedure: A specimen is subjected to a gradually increasing tensile load until it fractures. During the test, the applied load and corresponding elongation or deformation of the specimen are recorded.
- Applications: Tensile testing is widely used in the aerospace, automotive, construction, and manufacturing industries to assess the mechanical properties of metals, polymers, and composites.—2M

Impact Testing:

- Principle: Impact testing evaluates the toughness and impact resistance of materials by subjecting specimens to a sudden impact or shock.
- Procedure: A pendulum or drop-weight impact tester is used to strike the specimen, and the absorbed energy or the degree of deformation upon impact is measured.
- Applications: Impact testing is crucial for assessing the behavior of materials under dynamic loading conditions, especially in applications such as structural engineering, automotive safety, and material selection for tools and machinery.-----2M

Hardness Testing:

- Principle: Hardness testing measures the resistance of a material to indentation or scratching and provides an indication of its strength and wear resistance.
- Methods: Common hardness testing methods include Rockwell, Brinell, and Vickers hardness tests, each using specific indenters and loads to assess the hardness of materials.
- Applications: Hardness testing is widely used in manufacturing, quality control, and material selection processes across various industries, including aerospace, automotive, and metalworking.-----1M

Bend Testing:

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Sangamner, Sangamner Dist. In.

- **Principle:** Bend testing evaluates the ductility and resistance to deformation of materials by subjecting specimens to bending forces.
- **Procedure:** The specimen is bent over a specified radius or angle until fracture or specified criteria are met. The degree of bending, cracking, or fracture is observed and recorded.
- **Applications:** Bend testing is commonly used to assess the quality and ductility of welds, sheet metals, and structural components in industries such as construction, shipbuilding, and pipeline manufacturing.-----1M

OR

Hardness testing methods:

Rockwell Hardness Test:

2B

The Rockwell hardness test measures the depth of penetration of an indenter under a large load (major load) and a subsequent minor load. It is based on the difference in indentation depth between the application of the major load and the removal of the minor load.-----2M

Brinell Hardness Test:

The Brinell hardness test measures the diameter of the indentation produced by a hard steel or carbide ball under a known load. The hardness value is calculated based on the applied load and the diameter of the resulting impression. -----2M

6

Vickers Hardness Test:

The Vickers hardness test involves measuring the size of the indentation produced by a diamond-shaped indenter under a specific load. The hardness value is calculated based on the applied load and the surface area of the indentation. -----2M

3A

Visual inspection testing is a non-destructive testing method that relies on human vision to assess the quality, integrity, and conformity of materials, components, and products. It involves the visual examination of surfaces, dimensions, colors, textures, and other visible attributes to identify defects, anomalies, or deviations from specified standards or requirements. Visual inspection is widely used across various industries, including manufacturing, construction, electronics, automotive, aerospace, and food processing, among others. -----2M

Preparation: Before conducting the visual inspection, inspectors ensure that the testing environment is well-lit, clean, and free from distractions

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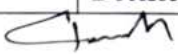
Specification Review: Inspectors familiarize themselves with the applicable specifications, standards, drawings

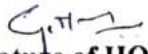
Visual Examination: Inspectors visually examine the surfaces, features, and characteristics of the material or product under scrutiny.

Inspection Tools: Inspectors may use various tools and aids to assist in the visual inspection process.

Documentation: Inspectors document their findings, observations, and measurements during the visual inspection process.

Decision Making: Based on the inspection results, inspectors determine whether the


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Kammanur, Bangalore 560 01

material, component. -----4M

OR

3B

Advantages:

Cost-Effective: Visual inspection is often one of the most cost-effective methods of quality control since it requires minimal equipment and can be performed by trained personnel.

Speed: Visual inspection can be performed quickly, allowing for rapid assessment of products or components.

Real-Time Feedback: Inspectors can provide immediate feedback on the quality of items being inspected, allowing for prompt adjustments to the manufacturing process if needed.

Non-Destructive: Visual inspection is non-destructive, meaning it does not alter or damage the products being inspected.-----3M

Limitations:

Subjectivity: Visual inspection is subjective and can vary depending on the individual inspector's interpretation of quality standards. This subjectivity can lead to inconsistencies in inspection results.

Limited to Surface Defects: Visual inspection is primarily effective for detecting surface defects and may not identify defects that are internal or hidden from view.

Fatigue and Attention: Human inspectors may experience fatigue or lapses in attention, leading to decreased accuracy over time or during prolonged inspection periods.

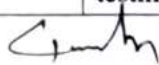
Limited to Human Perception: Visual inspection relies on human perception, which may be limited in detecting subtle defects or variations, especially in complex or intricate components. -----3M

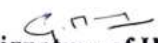
4A

Magnetic Particle Testing (MPT), also known as magnetic particle inspection (MPI), is a widely used non-destructive testing method for detecting surface and near-surface discontinuities in ferromagnetic materials. MPT relies on the principle of magnetic flux leakage to identify defects such as cracks, seams, laps, porosity, and other discontinuities that may compromise the integrity of the material. Here's a detailed discussion of Magnetic Particle Testing. -----3M

The principle of MPT involves magnetizing the specimen using a magnetic field and applying magnetic particles to the surface. When defects or discontinuities are present, they disrupt the magnetic field, causing magnetic flux leakage. Magnetic particles, typically made of iron or iron oxide, are attracted to and accumulate around the areas of flux leakage, forming a visible indication of defect locations.

Magnetic Particle Testing is a valuable method for detecting surface and near-surface defects in ferromagnetic materials and ensuring the integrity and safety of components in various industries, including aerospace, automotive, manufacturing, and construction. When used appropriately and in conjunction with other non-destructive testing methods, MPT can help identify defects early, prevent failures, and maintain


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48

6

6

product reliability and safety. -----3M

OR

4B

Advantages:

High Sensitivity: MPT is highly sensitive to surface and near-surface defects such as cracks, seams, laps, porosity, and other discontinuities in ferromagnetic materials.

Rapid Inspection: MPT can be performed relatively quickly, making it suitable for inspecting large volumes of components or structures in a timely manner.

Versatility: MPT can be applied to a wide range of ferromagnetic materials, including carbon and alloy steels, cast iron, nickel, and cobalt-based alloys.

Portable Equipment: MPT equipment is typically portable and can be used in various environments, including field inspections and remote locations. -----3M

Disadvantages:

Limited to Ferromagnetic Materials: MPT is only applicable to ferromagnetic materials that can be magnetized, such as carbon and alloy steels.

Surface Preparation Required: Effective MPT requires proper surface preparation to ensure optimal magnetization and particle adhesion.

Surface Accessibility: MPT is limited to detecting defects that are accessible from the surface of the specimen.

Interpretation of Results: Interpreting MPT results requires expertise and experience to distinguish between indications caused by defects and false positives or artifacts. ---
-----3M

6

5A

Liquid Penetrant Testing (LPT), also known as dye penetrant inspection, is a widely used non-destructive testing method for detecting surface-breaking defects in various materials, including metals, plastics, ceramics, and composites. LPT involves several sequential steps to identify defects or cracks that may be present on the surface of a material. Here's an illustration of the liquid penetrant testing process, -----3M

Surface Preparation, Penetrant Application, Dwell Time, Penetrant Removal, Developer Application, Indication Examination, Interpretation and Reporting.

Liquid Penetrant Testing is an effective method for detecting surface defects in a wide range of materials and is commonly used in aerospace, automotive, manufacturing, construction, and infrastructure industries for quality control, weld inspection, and maintenance purposes. -----3M

OR

5B

Advantages:

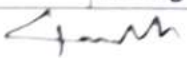
1) **Sensitivity to Surface Defects:** LPT is highly sensitive to surface-breaking defects such as cracks, seams, laps, porosity, and other discontinuities.

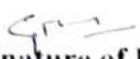
2) **Versatility:** LPT can be applied to a wide range of materials, including metals, plastics, ceramics, composites, and non-porous materials.

3) **Cost-Effectiveness:** Liquid penetrant testing is relatively inexpensive compared to other non-destructive testing methods, such as radiographic testing or ultrasonic testing.

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BE. Electrical & Electronics Engineering
 Outcome Based Education (OBE) and Choice Based Credit System (CBCS), VTU
Semester-VI
 Continuous Internal Evaluation- II
 Date: 04-07-2024 (AN)

Subject Code:	2IEE641 (Set A)	CIE Marks:	20
Subject Title:	Sensors & Transducers	Exam Hrs.:	60 minutes

Course Objectives: This course will enable the students to
 CLO 1. To discuss need of transducers, their classification, advantages and disadvantages.
 CLO 2. To discuss working of different types of transducers and sensors.
 CLO 3. To discuss recent trends in sensor technology and their selection
 CLO 4. To discuss basics of signal conditioning and signal conditioning equipment.
 CLO 5. To discuss configuration of Data Acquisition System and data conversion. To discuss the basics of Data transmission and telemetry.
 CLO 6. To explain measurement of various non-electrical quantities.

Note: Answer FIVE full questions

Q. NO	Questions	Marks	CO-PO	Bloom's Taxonomy Level
Q.1	A. Explain with a neat sketch the general measurement system and also explain signal conditioning and its necessity	4	CO3 – PO1,2,3, 12	L2
	OR			
Q.2	B. Explain with a neat sketch the operation of weighted resistor digital to analog converter.	4	CO3 – PO1,2,3, 12	L2
	OR			
Q.3	A. Apply the concept of OPAMP to model as an inverter and as an adder circuit.	4	CO3 – PO1,2,3, 12	L3
	OR			
Q.4	B. Apply the concept of R – 2 R Ladder network in D/A converter.	4	CO3 – PO1,2,3, 12	L3
	OR			
Q.5	A. What do you mean by filter and filtering? Classify the filters based on passing and attenuating of frequencies.	4	CO3 – PO1,2,3, 12	L2
	OR			
Q.6	B. With a neat sketch and equations explain differentiator circuit.	4	CO3 – PO1,2,3, 12	L2
	OR			
Q.7	A. Explain with a neat sketch simultaneous sampled system multiplexer.	4	CO3 – PO1,2,3, 12	L2
	OR			
Q.8	B. Explain the pulse amplitude and pulse width modulation technique.	4	CO3 – PO1,2,3, 12	L2
	OR			
Q.9	A. Define data acquisition system, state the objectives of data acquisition system.	4	CO4 – PO1,2,3, 12	L1
	OR			
Q.10	B. Define common mode rejection ratio used in operational amplifier. Also state the advantages of differential amplifiers.	4	CO4 – PO1,2,3, 12	L1
	OR			



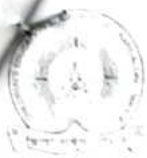
Course Outcomes: At the end of the course the student will be able to:
CO1. Classify the transducers and explain the need of transducers, their classification, advantages and disadvantages. Explain the working of various transducers and sensors.
CO2. Outline the recent trends in sensor technology and their selection.
CO3. Analyze the signal conditioning and signal conditioning equipment. Illustrate different configuration of Data Acquisition System and data conversion.
CO4. Show knowledge of data transmission and telemetry.
CO5. Explain measurement of non-electrical quantities -temperature, flow, speed, force, torque, power and viscosity

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO3	3	2	2	-	-	-	-	-	-	-	-	1
CO4	3	2	1	-	-	-	-	-	-	-	-	1

a) Substantial (High) /3 b) Moderate (Medium) /2 c) Slight (Low)/1 d) No correlation /-

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29/6/24
Faculty
Devi Vighneshwari B

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Children's Education Society
The Oxford College of Engineering
 Department of Electrical & Electronics Engineering
 Continuous Internal Evaluation - II
 Scheme of Evaluation - Set A

Subject: Sensors & Transducers

Semester: 6th - AEE64

Name of the Faculty: Dr. B. Devi Vigneeswarar

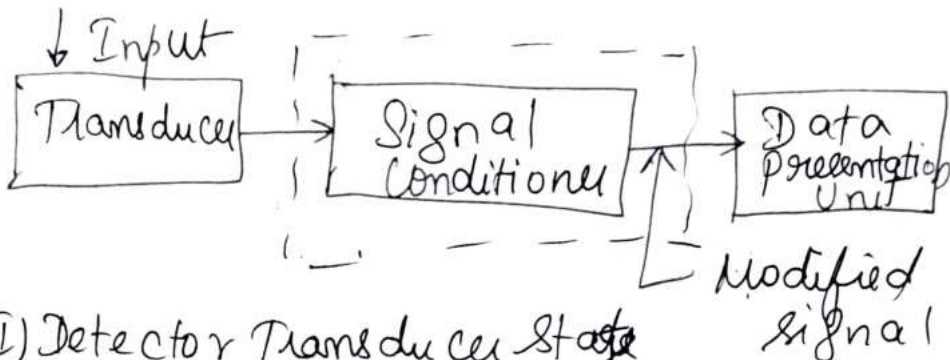
Subject Code: 21EE641

Question Numbers

Answers

Marks Allotted

1 A)



- I) Detector Transducer Stage
- II) Signal Conditioning Stage
- III) Indicating, Recording, Displaying, Data Processing elements or may consist of control elements.

2M

Necessity of Signal Conditioning:-

- i) Signal may be too noisy
- ii) May be too small
- iii) May be too large
- iv) May be too slow

2M

1 B) Wright

Analogy converter

* Also known as summing Amplifier

to

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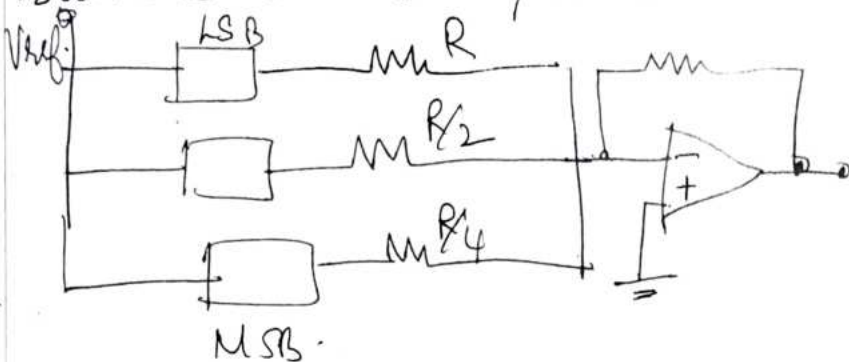
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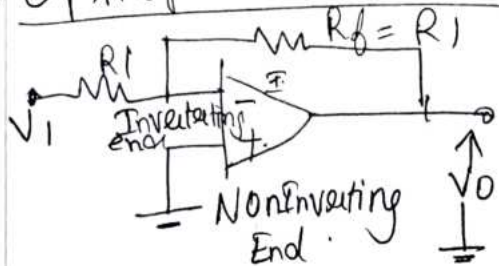
Page 1

* It forms the weighted sum of all the Nonzero bits in the input word.

* The reference V_{ref} is connected to the resistors by means of address switches which respond to binary 1. 2M



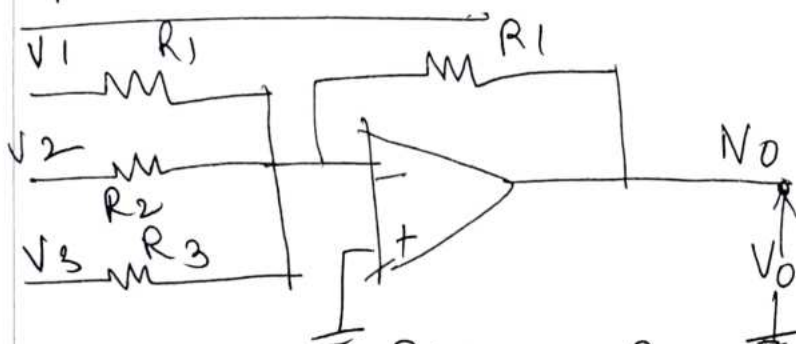
2A) OPAMP as an Inverter.



$$V_o = -\frac{R_f}{R_1} V_1 = -V_1$$

$$\therefore R_f = R_1$$

OPAMP as an adder.



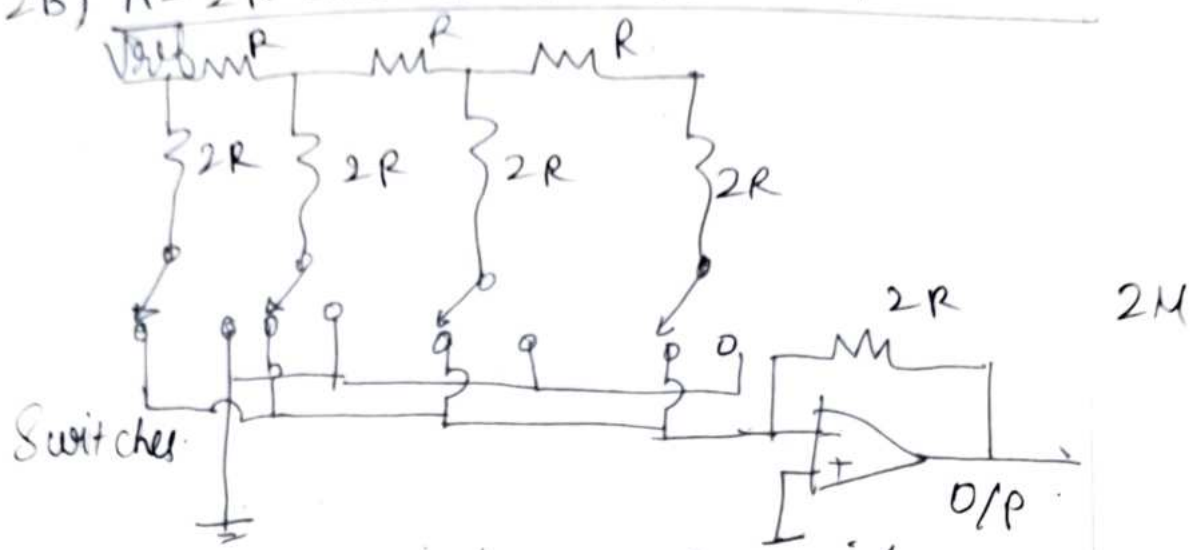
$$\text{Op Voltage} = -\left[\frac{R_f}{R_1} V_1 + \frac{R_f}{R_2} V_2 + \frac{R_f}{R_3} V_3 \right]$$

If $R_1 = R_2 = R_3 = R_f$ then

$$V_o = -(V_1 + V_2 + V_3)$$

(OR)

2B) R-2R Ladder Network in D/A Converter



- * only 2 values are required.
- * The o/p voltage is generated by switching sections of the ladder to either the reference voltage (or) $0V$.

3A) Filtering - It is the process of Attenuating unwanted components of a measurement while permitting the desired component to pass.

Filter - It is an electronic circuit which can pass or stop a particular band of frequencies through it.

Types :-

- | | | |
|---|---------------|----------------|
| I) on basis of passing & Attenuating of frequencies | → Explanation | |
| I) low pass | II) High Pass | III) Band pass |
| IV) Band stop | | |

Question Numbers

Answers

Marks Allotted

3B) Differentiator. (OR)

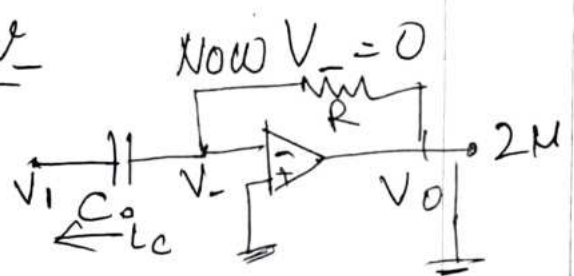
It is obtained by interchanging the positions of Resistance 'R' and Capacitance 2M

At Node V, $i_c = i_R$.

$$C \frac{d}{dt}(V_+ - V_1) = \frac{V_0 - V_-}{R}$$

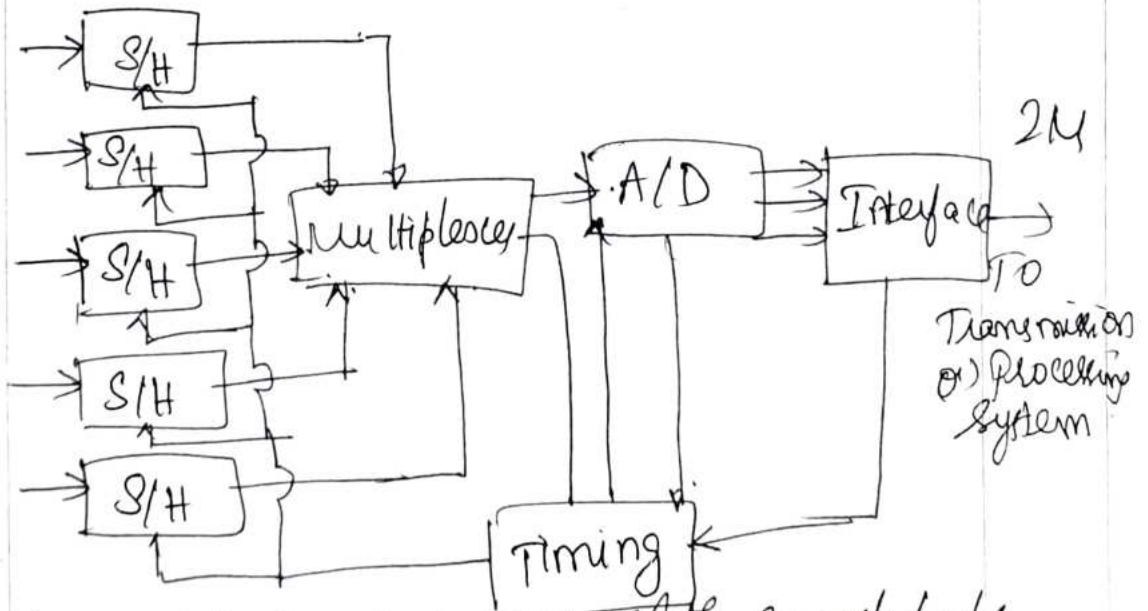
$$\therefore -C \frac{d}{dt}(V_1) = \frac{V_0}{R}$$

$$V_0 = -RC \frac{d}{dt}(V_1)$$



They decrease signal to noise ratio.

HA Simultaneous Sampled system Multiplexer.



* Multiplexing the outputs of the sample hold is particularly useful when a large number

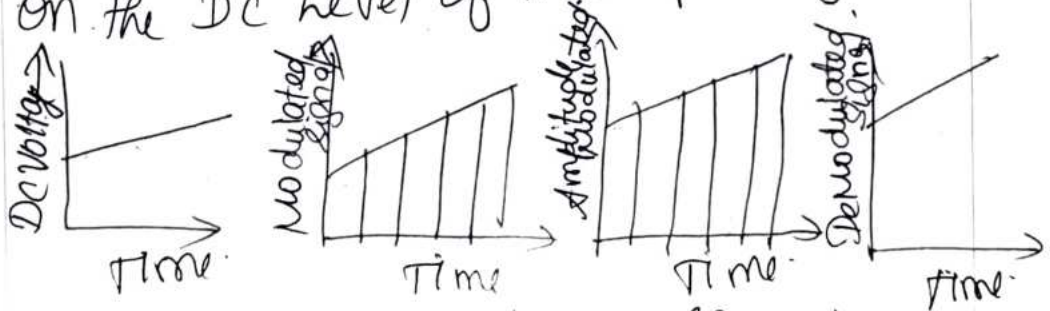
of channels are to be monitored at the same time (i) synchronously but at moderate speeds -

* An individual S/H is assigned to 2M each channel and they are updated synchronously by a timing circuit. The o/p's of S/H are connected to an A/D converter through a Multiplexer resulting in sequential read out.

4B) Pulse Amplitude Modulation [PAM] (OR)

In this method of conversion, DC signal is chopped

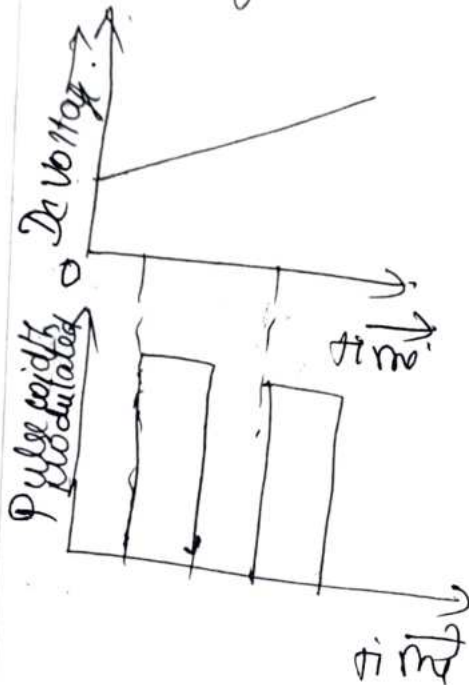
The output from the Chopper is a train of pulses, the height of which depends on the DC level of the input signal: 2M



Pulse Width Modulation (PWM):

- * Duration of a pulse depends on the size of the voltage.
- * It is used with control systems as a means of controlling the average

Value of a Dc Voltage.



2M.

5A) Data Acquisition System

→ It is the process of using output signals and inputting that into a computer.

→ The output signal may be one that originates from direct measurement of electrical quantities such as voltage, frequency, resistance etc. 1M.

Objectives:-

- 1) to be reliable, flexible and capable of being expanded for future requirements 3M.
- 2) to acquire the necessary data at correct

Speed and at correct time.
 * Down time not more than 0.1 percent
 * to be able to compute unit performance indices using online, real Data.
 * to make use of all data effectively to inform the operator about the state of the plant

(1+3M)

(OR)

5B Common-Mode Rejection Ratio

$$CMRR = 20 \log_{10} \left[\frac{G}{G_{cm}} \right] \text{dB}$$

$$V_o = G [V_+ - V_-] + G_{cm} V_{cm}$$

2M

typically opamp have a CMRR of 60 to 120 dB.

Advantages of Differential Amplifiers

I) Noise Immunity:-

These Amplifiers are extensively used in equipment such as electronic Voltmeter and oscilloscopes

Question
Numbers

Answers

Marks
Allotted

Drift Immunity:-

The differential amplifier has inherent capabilities of eliminating problem of drift.

The differential amplifier construction is used for the early stages of oscilloscope and electronic voltmeter amplifiers, where low drift is extremely important.

_____ X _____ X _____ X _____

Signature of Faculty

Devi A
29/6/24

Signature of HOD
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Devi A
29/6/24



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 THE OXFORD COLLEGE OF ENGINEERING, BANGALORE-560068
 (Approved by AICTE, New Delhi, accredited by NAAC A-Grade & Affiliated to VTU,
 Belagavi-590 018)

BE. Science and Humanities
 Outcome Based Education (OBE) and Choice Based Credit System (CBCS), VTU
Semester-II P3 Section
 Continuous Internal Evaluation- II
 Date:25-06-2024 (AN)

SubjectCode:	BEEE203 (Set A)	CIE Marks:	25
SubjectTitle:	Elements of Electrical Engineering	Exam Hrs.:	60 minutes

Course Objectives: This course will enable the students to
 CLO 1. To explain the basic laws used in the analysis of DC circuits, electromagnetism.
 CLO 2. To explain the behavior of circuit elements in single-phase circuits.
 CLO 3. To explain three phase circuits, balanced loads and measurement of three phase power.
 CLO 4. To explain the measuring techniques, measuring instruments and domestic wiring.
 CLO 5. To explain electricity billing, equipment and personal safety measures.

Note: Answer FIVE full questions

Q. NO	Questions	Marks	CO-PO	Bloom's Taxonomy Level
Q.1	A. A series circuit with resistor 100Ω , capacitor $15\ \mu\text{F}$ and inductance of 0.25H is connected across $230\text{V}50\text{Hz}$ supply. Calculate impedance, current, power and power factor of the circuit.	5	CO3 – PO1,2,3,4, 5, 6, 7,8 12	L3
	OR B. With the help of circuit diagram and phasor diagram, find the phase angle, impedance and power in case of R-L series circuit.	5	CO3 – PO1,2,3,4, 5, 6, 7,8 12	L3
Q.2	A. Explain the construction and working of Wheatstone's bridge.	5	CO4 – PO1,2,3,4, 6, 7,8, 12	L2
	OR B. With a neat sketch, explain current transformer.	5	CO4 – PO1,2,3,4, 6, 7,8, 12	L2
Q.3	A. Explain the construction and working of Maxwell's bridge and derive the expression for unknown inductance.	5	CO4 – PO1,2,3,4, 6, 7,8, 12	L2
	OR B. Explain the construction and working of Kelvin's double bridge	5	CO4 – PO1,2,3,4, 6, 7,8, 12	L2
Q.4	A. Explain the two way and three way control of lamp with switching table	5	CO5 – PO1,2,3,5, 6, 7,8,11,12	L2
	OR B. What is fuse? With neat diagram, explain the working principle of fuse.	5	CO5 – PO1,2,3,5, 6, 7,8,11,12	L2
Q.5	A. What is Earthing? With a neat diagram, explain Plate Earthing.	5	CO5 – PO1,2,3,5, 6, 7,8,11,12	L2
	OR B. Define Electric shock. What are the safety precautions to be taken against to avoid electric shock.	5	CO5 – PO1,2,3,5, 6, 7,8,11,12	L1

Course Outcomes: At the end of the course the student will be able to:

CO1. Understand the concepts of DC circuits and Electromagnetism..

CO2. Understand the concepts of single phase and Three phase AC circuits.

CO3. Apply the basic Electrical laws to solve circuits.

CO4. Understand the concepts of measurements and measuring Instruments.

CO5. Explain the concepts of domestic wiring. Electricity billing, circuit protective devices and Personal safety measures.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO3	3	2	1	1	1	1	1	1	-	-	-	1
CO4	3	2	2	1	-	1	1	1	-	-	-	1
CO5	3	1	2	-	1	2	1	1	-	-	1	1

a) Substantial (High) / 3 b) Moderate (Medium) / 2 c) Slight (Low) / 1 d) No correlation / -

Nisha C Rani
21/6/24
Faculty
Dr. Nisha C Rani

Nisha C Rani
21/6/24
For HOD
Professor & Head EEE
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Bangalore-560 068



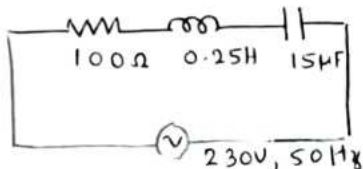
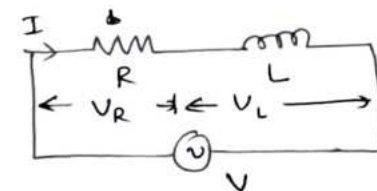
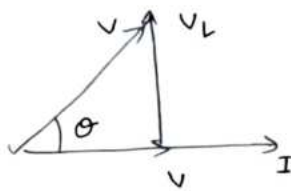
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The Oxford College of Engineering
 Department of Electrical & Electronics Engineering
 Continuous Internal Evaluation-I
 Scheme of Evaluation

Subject: Elements of Electrical Engineering

Semester: II P3

Name of the Faculty: Dr Nisha C Rami

Subject Code: BEEE 203
Set A

Question Numbers	Answers	Marks Allotted
1A	 $X_L = 2\pi fL$ $= 2\pi \times 50 \times 0.25$ $= \underline{\underline{75.39\Omega}}$ $X_C = \frac{1}{2\pi fC} = \frac{1}{2\pi \times 50 \times 15 \times 10^{-6}} = \underline{\underline{212.2\Omega}}$ $Z = R + jX_L - jX_C = 100 + j75.39 - j212.2$ $= 100 - j136.8\Omega$ $= \underline{\underline{169.45\angle -53.83\Omega}}$ $\text{Current} = \frac{V}{Z} = \frac{230}{169.45\angle -53.83} = 0.803 + j1.98j$ $= \underline{\underline{1.36\angle 53.83}}$ $\text{Power factor} = \cos\theta = \cos(53.83)$ $= \underline{\underline{0.59}}$ $\text{Power} = VI \cos\theta = 230 \times 1.36 \times 0.59$ $= \underline{\underline{184.552}}$	<p style="text-align: right;">2M</p> <p style="text-align: right;">1M</p> <p style="text-align: right;">1M</p> <p style="text-align: right;">1M</p> <p style="text-align: right;">1M</p>
1B	<p>RL Series Circuit.</p>   $V_L = IX_L \quad V = IZ$ $V_R = IR$ $V^2 = V_R^2 + V_L^2$ $V = \sqrt{(IR)^2 + (IX_L)^2} = I\sqrt{R^2 + X_L^2} = IZ$	<p style="text-align: right;">2M</p>

Nisha C Rami
14/6/24
Signature of Faculty

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Professor of EEE
The Oxford College of Engg
Annamahalli, Mysuru
B.E.E.E. 203

Question Numbers

Answers

Marks Allowed

$Z = \text{Impedance} \quad Z = \sqrt{R^2 + X_L^2} \quad Z = R + jX_L$

$v = V_m \sin \omega t$

Phase angle

$i = I_m \sin(\omega t - \theta)$

$\theta = \tan^{-1}(X_L/R)$

1M

Instantaneous power, $P = v i$

$= V_m \sin \omega t \cdot I_m \sin(\omega t - \theta)$

1M

$= V_m I_m \sin \omega t \sin(\omega t - \theta)$

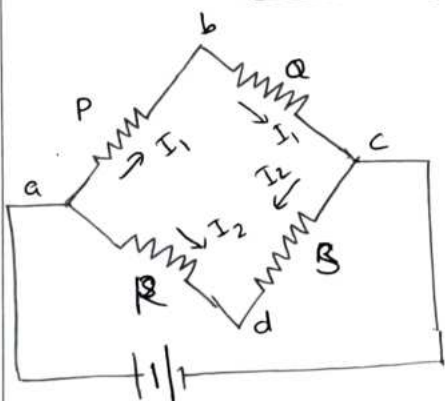
$= V_m I_m \frac{1}{2} (\cos \theta - \cos(2\omega t - \theta))$

1M

$= \frac{V_m I_m}{\sqrt{2} \sqrt{2}} \cos \theta = \underline{\underline{VI \cos \theta}}$

$P = \underline{\underline{VI \cos \theta}}$

2A Wheatstone's bridge



P, Q, → ratio arms

R → unknown resistance

2M

S → standard resistance

Under balanced condition,

$V_{ab} = V_{ad}$

$I_1 P = I_2 R \quad \text{--- (1)}$

$V_{bc} = V_{dc}$

$I_1 Q = I_2 S \quad \text{--- (2)}$

$\textcircled{1} \div \textcircled{2}$

$\underline{\underline{\frac{P}{Q} = \frac{R}{S}}}$

OR

$I_1 = \frac{E}{P+Q} \quad I_2 = \frac{E}{R+S}$

3M

$\frac{E P}{P+Q} = \frac{E R}{R+S}$

$\frac{P}{P+Q} = \frac{R}{R+S}$

$P(R+S) = R(P+Q)$

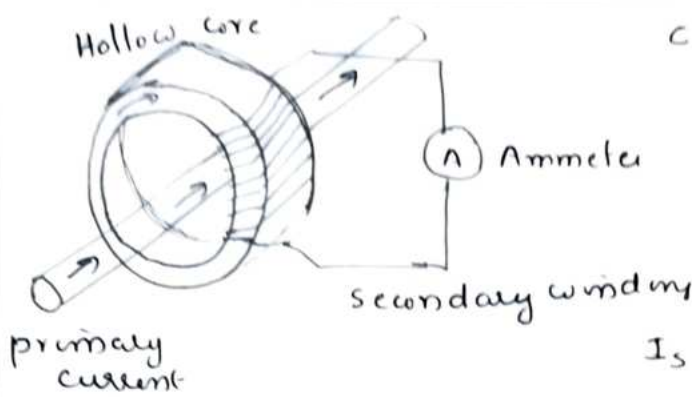
$P/R + PS = P/R + RQ$

$PS = RQ$

$\boxed{\frac{P}{Q} = \frac{R}{S}}$

2B Current transformer can reduce or step down current level from thousands of Amperes to SA or 1A

1M

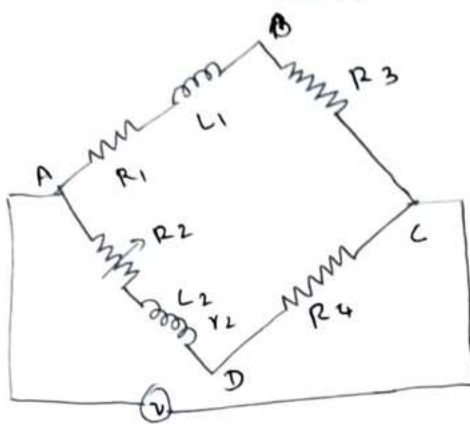


CT is an instrument transformer
 current proportional to primary current
 i_s produced in secondary

$$I_s = I_p \frac{N_p}{N_s}$$

2M
 2M

3A Maxwell's Inductance bridge



L_1 → unknown inductance of R_1
 L_2 → variable inductance of fixed resistance r_2
 R_2 → variable resistance
 R_3, R_4 → known non-inductive resistance

2M
 3M

At balanced condition

$$V_{AB} = V_{AD}$$

$$I_1 (R_1 + jX_{L1}) = I_2 (R_2 + r_2 + jX_{L2}) \quad \text{--- (1)}$$

$$I_1 (R_1 + j\omega L_1) = I_2 (R_2 + r_2 + j\omega L_2) \quad \text{--- (1)}$$

$$V_{BC} = V_{DC}$$

$$I_1 R_3 = I_2 R_4 \quad \text{--- (2)}$$

$$\text{(1)} \div \text{(2)} \quad \frac{R_1 + j\omega L_1}{R_3} = \frac{R_2 + r_2 + j\omega L_2}{R_4}$$

$$R_1 R_4 = R_3 (R_2 + r_2) \quad \frac{R_3}{R_4} = \frac{R_1}{R_2 + r_2}$$

$$L_1 R_4 = L_2 R_3$$

$$\frac{L_1}{L_2} = \frac{R_3}{R_4} = \frac{R_1}{R_2 + r_2}$$

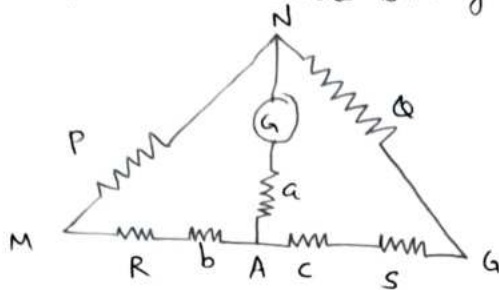
Question Numbers

Answers

Marks

3B

Kelvin's double bridge



used to measure low resistance

2M

$$V_{ab} = V_{ad}$$

$$V_{bc} = V_{dc}$$

$$I_1 P = I_2 (R + r)$$

$$I_1 Q = I_2 (S + r)$$

$$\textcircled{1} \div \textcircled{3} \quad \frac{P}{Q} = \frac{R + r_1}{S + r_2}$$

$$r_1 = \frac{P}{P+Q} r \quad r_2 = \frac{Q}{P+Q} r$$

3M

$$\frac{P}{Q} \left(S + \frac{Q}{P+Q} r \right) = R + \frac{P}{P+Q} r$$

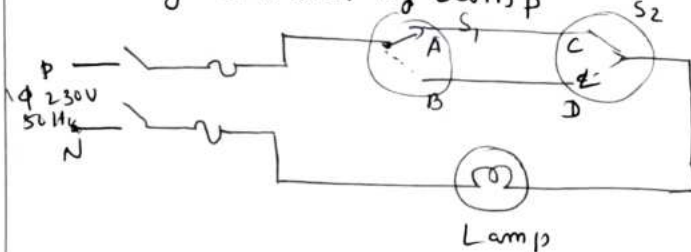
$$\frac{P}{Q} S + \frac{Q}{P+Q} \frac{P}{Q} r = R + \frac{P}{P+Q} r$$

$$\frac{P}{Q} S = R$$

$$\boxed{\frac{P}{Q} = \frac{R}{S}}$$

4A

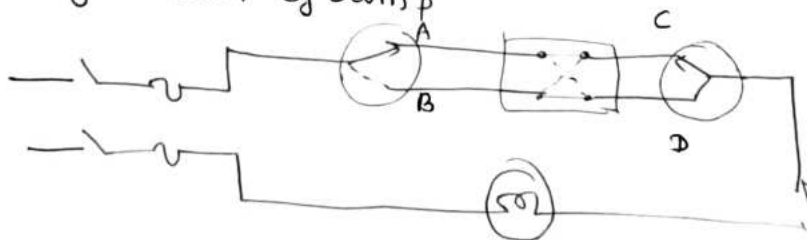
2 way control of Lamp



SW ₁	SW ₂	Lamp
A	C	ON
A	D	OFF
B	C	OFF
B	D	ON

2M

3 way control of Lamp

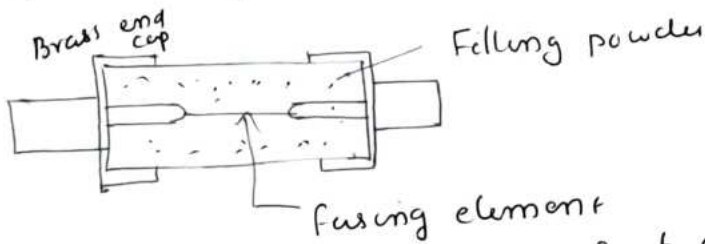


3M

SW₁ ~~SW₂~~ Intermediate switch SW₂ Lamp

A	EF GH	C	ON
A	EF GH	D	OFF
B	EF GH	C	OFF
B	EF GH	D	ON
A	EH GF	C	OFF
A	EH GF	D	ON
B	EH GF	C	ON
B	EH GF	D	off.

4B. Fuse is a protective device



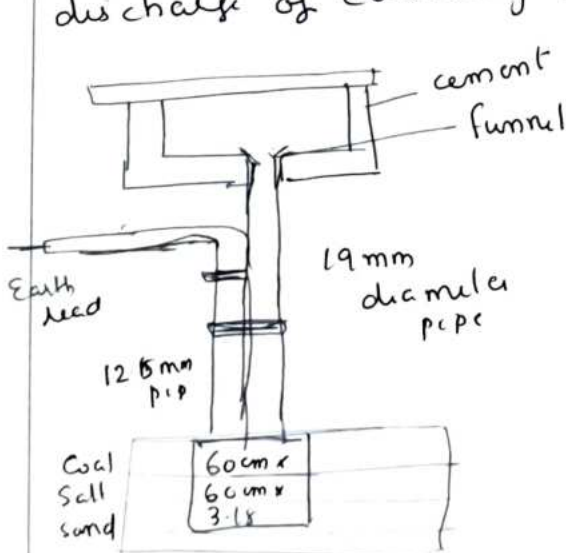
2 M

During over current, or short circuit, high current causes fuse to melt & open the circuit. Thus circuit is protected.

3 M

5A. Earthing Process of transferring immediate discharge of electricity directly to earth

1 M



GI plate 60cm x 60cm x 3.18cm is used

2 M

90x90 pit is dug 3m deep to ground


2 M

Pipe is fitted with funnel.

Question Numbers	Answers	Marks. Allotted
5B	<p><u>Electric Shock</u></p> <p>When a person comes into direct contact with an electrical energy, he receives electrical shock.</p> <ul style="list-style-type: none"> → Avoid water when working with electrical → don't use equipment with damaged insulation → Wear PPE. → use tools designed for electrical work - Avoid wet/damp cloths → Do not touch electrical part with bare hands → Follow proper wiring procedure <p style="text-align: center;">— x — .</p>	1M 4M *

Nisha C Ram
14/11/24

Signature of Faculty


Professor & Head of Department
Signature of HOD



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B.E. Mechatronics Engineering
 Outcome Based Education (OBE) and Choice Based Credit System (CBCS), VTU
Semester-IV
 Continuous Internal Evaluation-I
 Date: 11-06-2024(FN)

Subject Code:	BMT403 – A	CIE Marks:	25
Subject Title:	HYDRAULICS AND PNEUMATICS	Exam Hrs:	60 minutes

Course Objectives: This course will enable the students to
 CLO 1.To gain basic knowledge of hydraulic and pneumatic systems.
 CLO 2.To Understanding the working principles of hydraulics and pneumatics components
 CLO 3.To Apply the knowledge of hydraulic systems to design hydraulic circuits for different application.
 CLO 4.To Apply the knowledge of pneumatic systems to design pneumatic circuits for different application
 CLO 5.To Design hydraulic and pneumatic circuits with multicylinder applications using solenoid control.

Note: Answer FIVE full questions

Q.no	Questions	Marks	CO-PO	Bloom's Taxonomy Level
Q.1	A. Explain with neat diagram the function of Hydraulic system.	5	CO1 PO:1,2,3,4 ,10,12	L2
	OR			
Q.2	B. Explain with neat diagram the function of pneumatic control system	5	CO1 PO:1,2,3,4 ,10,12	L2
	A. Explain fluid conditions and FRL units.	5	CO1 PO:1,2,3,4 ,10,12	L2
Q.3	OR			
	B. Explain Radial piston pumps with neat diagram	5	CO1 PO:1,2,3,4 ,10,12	L2
Q.4	A. Explain pump performances.	5	CO1 PO:1,2,3,4 ,10,12	L2
	OR			
Q.5	B. Explain with neat diagram the working of single acting cylinder.	5	CO1 PO:1,2,3,4 ,10,12	L2
	A. Explain with neat diagram the working of vane motors.	5	CO2 PO:1,2,3,4 ,10,12	L2
Q.6	OR			
	B. Explain solenoid valve with neat diagram.	5	CO2 PO:1,3,4 ,10,12	L2
Q.7	A. Summarize graphical symbols with neat diagram.	4	CO2 PO:1,2,3,4 ,10,12.	L2
	OR			
Q.8	B. Outline the steps to determine the performance of reciprocating hydraulic pump.	4	CO2 PO:1,2,3,4 ,10,12.	L2



Course Outcomes: After studying this course, students will able to

- CO 1: Understand different components of pneumatic and hydraulic circuits.
- CO 2: Demonstrate working of valves, solenoids, and pumps.
- CO 3: Apply concepts of pneumatic and hydraulic to design and develop respective circuits.
- CO 4: Design and analyse Hydraulic/pneumatic circuits.
- CO 5: Design pneumatic circuits for various industrial applications using experimental pneumatic kits

PO \ CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	2	1	1	1	-	-	-	-	-	1	-	1
CO2	2	1	1	1	-	-	-	-	-	1	-	1

a) Substantial (High) / 3b) Moderate (Medium) / 2 c) Slight (Low) / 1 d) No correlation /

Faculty
Mr. Janjepp R

Dr. Madhura S

HOD

Dr. Madhura S

Prof. & HOD

Department of Mechatronics
The Oxford College Of Engineering
Bommanahalli, Bangalore - 560 068



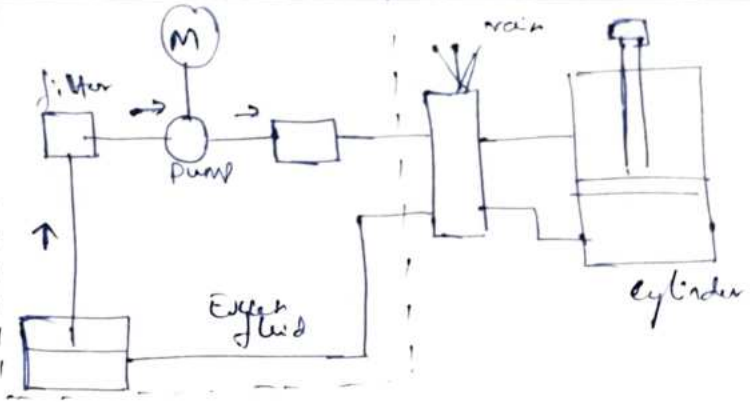
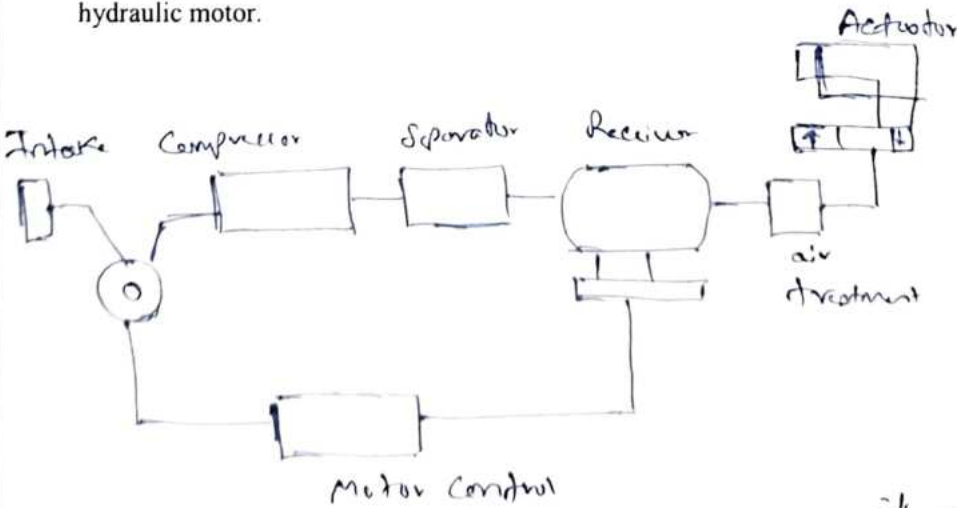
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The Oxford College of Engineering
 Department of Mechatronics Engineering
 Continuous Internal Evaluation-I
 Scheme of Evaluation

Subject: HYDRAULICS AND PNEUMATICS (Set-A)

Semester: 4th

Name of the Faculty: JAIDEEP R

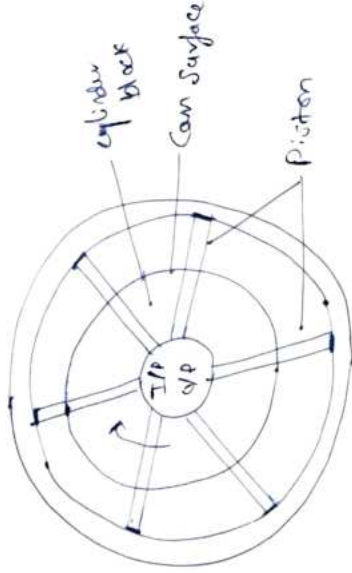
Subject Code: BMT403

Question Numbers	Answers	Marks Allotted
1A	 <ul style="list-style-type: none"> • The system consist of tank containing oil to which hydraulic energy is converted with help of hydraulic pump. • This high pressure oil flow through pipes out to prevent the damage to system in fluid through pressure relief valve. • The valve controls the pressure of oil if excess, then set of desired system pressure diverts a part of oil back into tank. • This system is not a source of power, the power imported oil using motor generally as electric motor. • Here mechanical energy is converted back to mechanical energy through hydraulic motor. 	<p>(1)</p> <p>(1)</p> <p>(1)</p> <p>(1)</p>
1B		<p>(1)</p>

Signature of Faculty

Prof. A. HOD
 Department of Mechatronics
 The Oxford College Of Engineering
 Bangalore, Bangalore - 560073

- Pneumatic control system uses compressed air that is carried through plastic or copper tubes.
 - Controlling system with this method operate with the help of sensors and thermostat that can be from sensor to actuator.
 - Pneumatic makes use of air compressor to reduce the volume of air in order to increase its pressure.
 - It can be used as simple air drive piston or as complex as mining operation with multiple actuators.
- 2A
- Fire , regulator , lubricator (FRL), it delivers clean air at fixed pressure.
 - They are lubricated if necessary to ensure proper pneumatic component which increases lifetime operation.
 - The main function is to
 - 1) Prevent entrance of solid containment to system.
 - 2) To condensate and remain vapor.
 - 3) To arrest submicron particle that may poses a problem in system components.



- In axial pumps the piston are parallel to axis of rotation.
- In case of radial piston pumps the piston are located radially around the pump axis.
- It consist of cylinder blocks mounted on the drive shaft and the center block is offset from the cam surface.
- In this operation the cylinder block rotates the piston in touch with the cam surface due to eccentricity between cylinder block and cam surface.
- The drive shaft rotates the cylinder block along the piston while cam surface is stationary.

2B

Pump performance

- The performance is gauged based on the efficiency with the pumping operation.
- In general the efficiency is the ratio of output of input.

$$\eta = \frac{o/p}{i/p}$$

Volumetric efficiency

- It is the ratio of actual flow rate to theoretical flow rate.

$$\eta = \frac{\text{actual flow rate}}{\text{theoretical flow rate}} \times 100$$

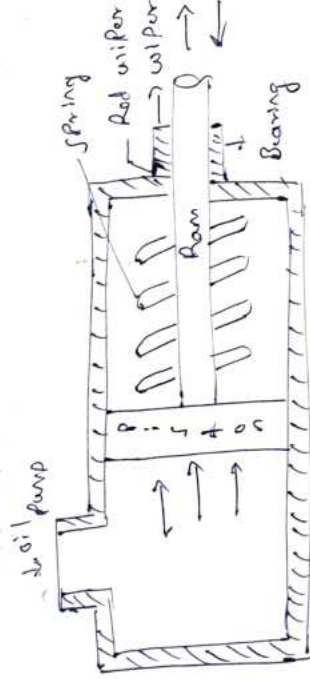
$$\eta = \frac{Q_A}{Q_T} \times 100$$

Mechanical efficiency

- It is the ratio of pump output power to actual power input to pump

$$\eta = \frac{\text{pump output}}{\text{actual power output}} \times 100$$

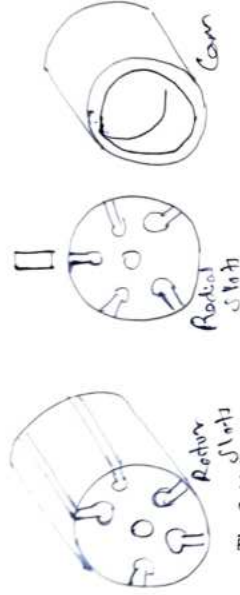
$$\eta = \frac{PQT}{2\pi NT} \times 100$$



3B

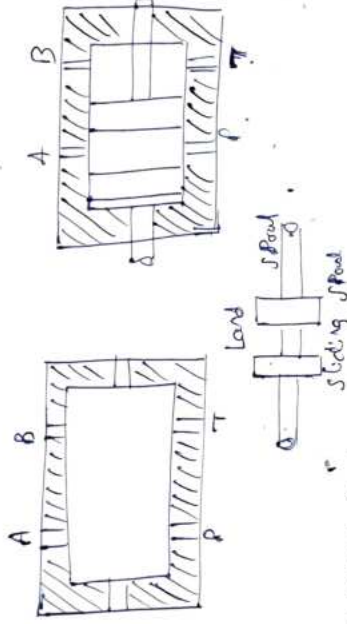
- It consists of piston, cylinder piston and an inlet port for fluid at piston end.
- The cylinder barrel is machined to high surface finish so as to form a close fitting with piston.
- The piston is fitted with rubber seals or metal rings to make mating leak proof.
- The piston rod attached to piston is supported with bearing at rod end in cylinder as shown in fig.
- In operation the fluid is let through inlet port at cylinder end as the pressure is built up in a force is exerted.

4A



- The fluid flow under pressure entering the motor at inlet port.
- The fluid pressure acts on the exposed area of the vane which in turn rotate the rotor connected to motors.
- The fluid moves through the chamber formed between vanes and exit through outlet ports.
- This produces more uniform, non-pulsating thrust as compared to unbalanced vane motor.

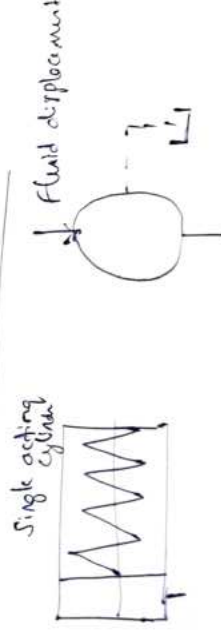
4B



- It is made of two base ports coil and armature as show in fig.
- Applying electrical signals to coil create a magnetic fluid which attracts armature towards it.
- The armature inturn pressure the speed on the solenoid pin which is converted to valve speed.

5A

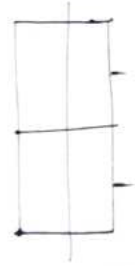
Symbol of Hydraulic Actuator



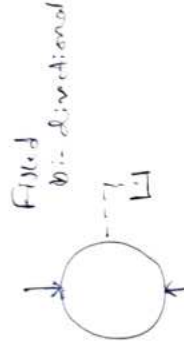
Double acting
cylinder



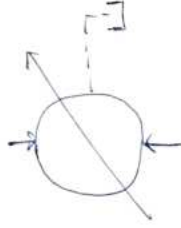
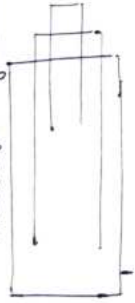
①



①



Telescopic cylinder



①



①

5B.

Step-1: Before starting priming should be done.

①

Step-2: The suction & delivery line valve are kept in open position.

①

Step-3: By operating the delivery valve, Portwater delivery pressure is maintained.

①

Step-4: Delivery pressure gauge should be ready

①

Step-5: Time taken for 5cm raise of water should be checked.

①

Step-6: Time taken for one revolution in water should be taken.

Step-7: Repeat the procedure for several time and do calculation.

Signature of Faculty

M. Sathya

Prof. & HOD

Department of Mechanical

The Oxford College Of Engineering

Bennur, Bellary - 562 088



THE OXFORD COLLEGE OF ENGINEERING

HOSUR ROAD, BOMMANAHALLI, BANGALORE


GUIDELINES

INSTRUCTIONS TO THE EXAMINATION ROOM SUPERINTENDENT / INVIGILATORS

While conducting the University Examinations in the College, we have found many shortcomings with the room invigilators and the VTU squad had made many observations. To avoid this embarrassing situation, we have given below guidelines and instructions for the room supervisor/invigilator, so that they can follow and conduct the invigilation to the satisfaction of the University authorities.

1. It is **compulsory** that every faculty in VTU affiliated colleges **to take up University Examination work** and no faculty shall refuse such works allotted to them.
2. Based on the vacation schedule given by the faculty through HOD, the Deputy Chief Superintendent (DCS) of the College will work out the invigilation duty schedule for all the faculty members in consultation with the HODs and the same will be issued to each faculty who will acknowledge and receive a copy. It is very important that **the faculty is compulsorily available for those duties** allotted as per the given schedule. In case of any emergency situation that the faculty is not able to take up the invigilation work, it is mandatory that they make alternate arrangement well in advance and inform the DCS. If the invigilator is not making alternate arrangement and has not informed the DCS, disciplinary action will be taken against the faculty.
3. Whenever theory invigilation overlaps with practical examination / PG theory classes they onus of making alternate arrangement for the same lies with faculty. Failing which disciplinary action will be initiated.
4. During the examination time, any faculty member availing leave shall get the HOD signature and also the counter signature of the Dr. Mallikarjun (Dean Exam.)
5. All the room invigilators should **report to DCS atleast 30 minutes** before the commencement of examination.
6. In the examination centre, the room invigilator shall receive the answer booklets, count the number of books and also check the quality of stitching and also the number of pages, damages, etc., before proceeding to the examination hall.
7. The room invigilator shall be in the examination hall 10 minutes before the commencement of the examination.
8. **Read out the instructions listed in the answer booklets in the examination hall for the information of the students before commencement of the examination.**
9. Ensure that the **students do not possess cell phone, chits/slips or any other written material with them.**
10. The room invigilators are **strictly instructed not to take their cell phones** to the examination hall and also advised to wear ID card inside the examination hall.

11. **Students shall not be permitted** to enter the examination hall **after commencement** of examination.
12. During the examination, the room invigilator shall **check the hall/admission ticket for student identification and cross check the USN both in the admission ticket and answer booklet and also the appropriate seating of the candidate.** Further, the invigilator shall check all the details written on the top page of answer booklet including student's signature and get the student signature in the Form B given to the invigilator. The DCS will collect the 2nd copy of the Form B, absentee answer booklets and question papers after half an hour of the commencement of the examination.
13. In case any student wants to use the toilet under emergency situation, such student will be **permitted to go out leaving the answer booklet, question paper in the examination hall with an escort with permission from Chief Superintendent / DCS.**
14. Students shall not be permitted to go out of the examination hall before the lapse of 60 minutes after commencement of examination. Further, the student leaving the examination hall till 30 minutes before the scheduled completion time of the examination **shall not be permitted to take the question paper.**
15. Students are strictly instructed not to write any matter on the question paper except their USN.
16. The students are advised to bring their own pen, pencil and any other approved material for examination and they are not allowed to borrow from others.
17. The students are instructed not to leave the examination hall after the last warning bell (10 minutes before the closing time of the examination) till the room invigilator receives all the answer booklets, counts the number and give final clearance for the students to leave.
18. The room invigilator should **always be going around and be vigilant and ensure that there is no malpractice** in the examination hall. **The room invigilator is authorized to check any personal belonging of the students in case of any doubt.** The student should be instructed to leave their bags outside the examination hall. They should use only approved table, data book, calculator, etc., during examination. Possession of any unauthorized material is considered as malpractice.
19. After completion of the examination, the room invigilator should submit the answer booklets and the 1st copy of the Form B immediately to the examination centre.


PRINCIPAL
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Bengaluru-560 068

Standard Guidelines:

- **Without Hall Ticket don't allow the student in the exam hall**
- **College Id card must**
- **Before issuing the Booklets Give General Instruction. Verification of Booklet condition, number of pages, any damages, etc. immediately exchange new booklet, if delayed give extra time how much delayed**
- **If question paper / Answer booklets issuing delayed from our side how much delayed that much time give extra time to the student for writing the exam**
- **Any problems /issues happened please bring notice to the Chief Superintendent / Principal / DCS (int./Ext.)**
- **Behave with the students politely /Don't beat or threaten**
- **B-form writing it carefully. Booklet number you only write in the B-form take student signature and you sign in Booklet after verified all the data filled by the student properly**
- **And sign on the subject code in the Hall ticker**
- **Count the present and Absentees in the B-form and verify by counting heads of the students**
- **Be careful mentioning Present / Absent in B-form**
- **Don' allow the student go out of the exam hall still completes the exam by him**
- **If any student need Emergence for rest room call internal DCS for the help**

- **Invigilators before leaving the exam cell, please verify the Present number Booklets and submit the booklets in the receiving centre**
- **Don't use mobile / Don't stand near to the Door of the exam hall**
- **Discipline is very important**



INSTRUCTIONS TO THE CANDIDATES

1. You must check your personal exam timetable. Do not rely on information from other sources. It is your responsibility to attend at the correct place, date and time for an examination.
2. All seats are numbered. You must sit at a desk allocated to your room. Seat allocations are displayed outside the exam room / Ground floor (Old building), near reception counter.
3. Make sure you have the correct question paper in the examination hall
4. Only a single Answer booklet will be issued. Students must verify that all the pages in their answer booklet intact.
5. Students are advised to use **Black ink ball pen** only.
6. All the students should be present in the examination hall at least 30 minutes before the commencement of examinations.
7. **No Students shall be allowed in to the examination hall after the commencement of examinations.**
8. Students can leave the examination hall only after 60 minutes, after the commencement of the examination by surrendering the question paper to the room superintendent. Taking out the question paper is permitted only after completion of the examination. No students should leave the hall during the last 10 minutes, till the collection of answer scripts is completed.
9. You must listen carefully to, and comply with, the opening announcements, which will not be repeated. You should read all instructions on the examination paper and answer books. Instructions are appears on the second page of the answer booklet.
10. Students should not write anything on the question paper other than his / her USNo.
11. **Students are strongly advised not to take your mobile phone, / any electronic gadgets / chits / slips / any written materials, Valets, Pouches, Pullovers with Pockets, Programmable calculator into the exam room.**
12. Students should not communicate with each other in any way in the examination room, whether an exam is in progress or not.
13. You must remove all other belongings from the vicinity of the exam room. This will be strictly enforced. You will be asked to remove your belongings even if this will delay the start of your exam. **Belongings left in unattended areas remain the student's responsibility.** Please note that the vicinity of the exam room includes all areas near the exam room, so you may be directed to remove your belongings to an area some distance away.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI
UG/PG/ EXAMINATIONS

INSTRUCTIONS TO THE CANDIDATES

1.	Only a single Answer book will be issued. No additional Answer Books are permitted.
2.	The candidate should write his/her seat number and give other information like examination, semester subject, subject code etc., against the space provided on the title page of the answer book.
3.	The candidate shall write his/her USN and Put his/her signature in the appropriate boxes provided on the top most portions of the all pages of the Answer Booklet.
4.	Revealing any other identity in any other place of the answer booklet will be treated as Malpractice
5.	The question number should be written in the margin provided for the purpose.
6.	The candidate shall write answers on both sided of pages of the answer book. All rough work must be done in the space provided at the end of the answer book. Answers must be written using black ball point pen only , if there is a change in pen , the same shall be attested by the Room Superintend on the facing sheet of the answer script at the top.
7.	Answer book should be handed over personally to Room Superintend before leaving the examination hall.
8.	No candidate shall be permitted to go to toilet during the period of examination.
9.	The candidate should not take any books /notes, log table, scribbling pads, cell-phones, programmable calculators or any kind of reference material in to the examination hall. The candidate should make sure that he/she has no unauthorized book or paper in the examination hall with him/her or in his/her desk. He/She should have only articles permitted like Identity Card, Hall Ticket/Admission Ticket. The candidate should not write anything on the Admission Ticket or Identity Card or Calculator.
10.	All the candidate should take possession of their seats 30 minutes before the commencement of the examination. A warning bell will be given 10 minutes before the commencement of the examination. Another bell will be given at the beginning of the examination when Question Papers will be distributed and the candidates should start writing the answers No candidate shall be admitted after 30 minutes of the commencement of the examination and shall be allowed to leave the examination hall before 45 minutes of the commencement of the examination. No candidate should leave his/her seat during last 10 minutes. Warning bell will be given 10 minutes before the closing time and final bell is given at the end of the examination. Then all the candidates should stop writing or revising the answers and should hand over the answer book to the Room Superintendent.
11.	The candidate should see that, the Room Superintendent has appended his/her signature at the specified space on the answer book, before he /she hands over the Answer Book to the room Superintendent.
12.	Smoking and taking tea or coffee or cold drink in the examination hall is strictly prohibited. However, drinking water will be supplied on request.
13.	Any candidate appearing for the UG/PG examination is liable to be charged with committing malpractice in the following cases:
	a. Bringing in the examination hall or being found in possession of portions of a book, manuscript, programmable Calculator or any other material or mater , which is not permissible to be brought in to the examination hall.
	b. Having any written matter on Scribbling pad, Question Paper, Admission Ticket, Calculator, Any part of the Body, Kerchief, Clothes, Socks, Instrument Box, Identity Card, Scales etc.
	c. Copying from the material or matter or answer of another candidate or similar aid or assistance is rendered to another candidate with in the Examination Hall.
	d. Communicating with any candidate or any other person inside or outside the examination hall with a view to take assistance or aid to write answers in the examination.
	e. Making any request of representation or offers any threat for inducement or inducing to bribery to Room Superintendent or and any other official or officer of the University / College for favours in the examination hall or to the Examiner in the answer script.
	f. Smuggling out or smuggling in or tearing off the answer script sheets or supplementary sheets or inserting papers written outside the examination hall into the answer book or running away along with answer script from the examination hall or premises.
	g. Impersonating or allowing any other person to impersonate to answer in his/her place in the examination hall.
	h. Supply of copying material inside or from the outside the examination hall.
	i. Bringing mobile phone to the examination hall.
	j. Unruly behavior inside or near the examination hall.



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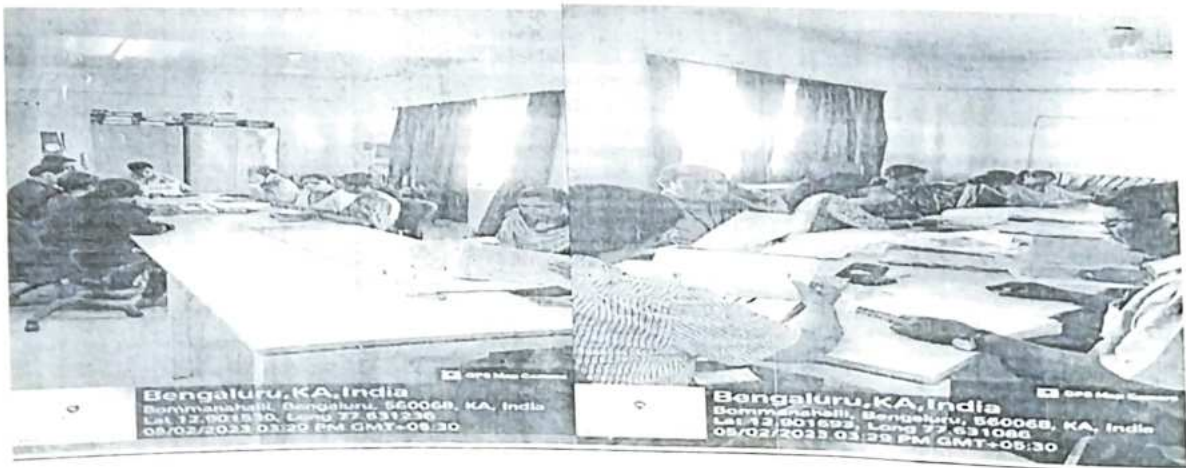
COMPUTER SCIENCE AND ENGINEERING

Date: 02.05.2023

**First and Second CIE Result Analysis Minutes of Meeting held on 02nd
May 2023, 03:15 PM - 04:15 PM @ Computer science Meeting Room
TOCE, Bangalore**

Members Present:

S.No	Name of the Member	Designation
1	Dr. R Ch A Naidu	Professor & HOD/CSE, IQAC Coordinator
2	Dr.V S Bharath	Professor & HOD / EEE CIE Evaluation Committee Member
3	Dr. B R Raju	Professor & HOD / AutoMobile CIE Evaluation Committee Member
4	Dr. Manjula	Professor & HOD / Mechatronics CIE Evaluation Committee Member
5	Dr.Saravana Kumar	Professor / CSE
6	Ms.Vinotha D	Assistant Professor / CSE
7	Ms.Sajida Tabasum. U	Assistant Professor / CSE
8	Ms. Sathya M	Assistant Professor / CSE
9	Ms.Manasa S M	Assistant Professor / CSE
10	Ms. Shruthi K Reddy	Assistant Professor / CSE



**8th Sem First and second Continuous Internal Evaluation Result
Analysis Meeting**

PROCEEDINGS OF THE MEETING:

- Dr. R Ch A Naidu Professor & HOD cum IQAC coordinator started the first and second Internal Assessment Analysis meeting during the meeting he has given the USN numbers 10X19C8004, 018, 032, 056, 076, 084, 009, 101 randomly. same books are collected by the faculty, along with the question paper and the scheme for the meeting
- Evaluation Committee member checked the test books (Blue Books), Question paper and Scheme, and they have pointed out the mistakes and gave the suggestions to correct the mistakes, its listed below
- Each question mark should be updated properly in the front page and mark should be updated in row and column
- IQAC coordinators checked each and every answers in the blue book and they asked the reason for reduction of marks
- Each questions should be evaluated and faculty sign should be placed on the front page of each book

Dean Academics

[Signature]
HEAD OF THE DEPARTMENT
DEPARTMENT OF CHEMISTRY
SRINIVASA RAU ENGINEERING COLLEGE
VADAPATTI, SRIKANTHAPURAM DISTRICT
TAMIL NADU - 622 002

Principal

[Signature]
PRINCIPAL
SRINIVASA RAU ENGINEERING COLLEGE
VADAPATTI, SRIKANTHAPURAM DISTRICT
TAMIL NADU - 622 002



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
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 Website: www.theoxford.edu Email : engprincipal@theoxford.edu

(Approved by AICTE, New Delhi, Accredited by NBA, New Delhi & Affiliated to VTU, Belgaum)

Academic Semester: Feb '23 – May '23

8th SEM C&E1 Result Analysis

4. A. TEST ANALYSIS

CLASS (BRANCH/ YEAR /SEC)	CLASS STREN GTH	NO. OF STUDEN TS APPEAR ED	NO. OF STUDENT S PASSED IN ALL SUBJECT S	OVERA LL PASS %	TEST NO.:1			TEST ON : 31/03/2023			DATE ON WHICH PROGRESS REPORT COMMUNIC ATED TO ALL PARENTS.		
					NO. OF STUDENTS FAILED IN			OVERALL PASS PERCENTAGE IN				COMPARED TO PREVIOUS TEST	
					1 SUB	2 SUB	3 & MORE SUB	TEST 1	TEST 2	TEST 3		NO. OF NEW FAILURES FROM THIS TEST	NO. OF NEW ALL PASSES COMPARED TO PREVIOUS TEST
CSE/4 th Yr /8A	58	08	05	62.5%	01	02	NA	62.5%	NA	NA	NA	NA	
CSE/4 th Yr/8B	62	13	11	84%	01	01	NA	84%	NA	NA	NA	NA	

4. B. TEST PERFORMANCE FOLLOW-UPS

STAFF PRODUCED RESULTS LESS THAN 75%							
STAFF NAME	DEPT.	SUBJECT	PASS %	NATURE OF SUBJECT (Analytical / Theory)	OBSERVATIONS FROM TEST PERFORMANCE	ACTION TAKEN	EFFECTIVENESS
Prof. Shruthi K Reddy	CSE	Storage Area Network	62.5%	Theory	Students are not attending the classes on regular basis	Instructed students to attend the classes regularly	Strength is improved

4. C. TEST PERFORMANCE IMPROVEMENT STRATEGIES

DEPARTMENT	PASS PERCENTAGE	IMPROVEMENT STRATEGIES	INITIATED FROM	EFFECTIVENESS / EXPECTED OUTCOME
CSE	62.5%	Making students to attend classes regularly	3/04/2023	Improvement in Teaching and Learning Effectiveness


HOD, CSE
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Academic Semester: Feb '23 – May '23

8th SEM CIE - 2 Result Analysis

4. A. TEST ANALYSIS

TEST NO : 2		TEST ON : 21/04/2023										
CLASS (BRANCH/ YEAR /SEC)	CLASS STRENGTH	NO. OF STUDENTS APPEARED	NO. OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PASS %	OVERALL PASS PERCENTAGE IN			COMPARED TO PREVIOUS TEST		DATE ON WHICH PROGRESS REPORT COMMUNICATED TO ALL PARENTS.		
					TEST 1	TEST 2	TEST 3	NO. OF NEW FAILURES FROM THIS TEST	NO. OF NEW ALL PASSES COMPARED TO PREVIOUS TEST			
CSE/4 th Yr/8A	58	55	35	63.8%	07	13	NA	62.5%	63.8%	NA	06	01
CSE/4 th Yr/8B	62	59	40	67.7%	15	04	NA	84%	67.7%	NA	01	01

4. B. TEST PERFORMANCE FOLLOW-UPS

STAFF PRODUCED RESULTS LESS THAN 75%							
STAFF NAME	DEPT	SUBJECT	PASS %	NATURE OF SUBJECT (Analytical/ Theory)	OBSERVATIONS FROM TEST PERFORMANCE	ACTION TAKEN	EFFECTIVENESS
Prof. Shruthi K Reddy	CSE	Storage Area Network	63.8%	Theory	Classes were not conducted. Need to take more lecture hours	Planning to take additional classes and give additional assignments	Looking for improvement in attendance.
Prof. Manasa S M	CSE	Internet of Things	67.7%	Theory	Students have neglected their internals and they have written irrelevant answers.	Question papers with proper answer format will be given to students	Students will be aware of writing answers to specific questions answered

4. C. TEST PERFORMANCE IMPROVEMENT STRATEGIES

DEPARTMENT	PASS PERCENTAGE	IMPROVEMENT STRATEGIES	INITIATED FROM	EFFECTIVENESS / EXPECTED OUTCOME
CSE	65.75%	Making students to attend classes regularly	28/04/2023	Improvement in Teaching and Learning Effectiveness

Naveen
HOD, CSE

V. G. Anand
DEAN ACADEMICS

V. G. Anand
PRINCIPAL

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COMPUTER SCIENCE AND ENGINEERING

Date: 09.06.2023

8th SEM **Third CIE Result Analysis Minutes of Meeting held on 09th June 2023,
03:15 PM – 04.15 PM @ Computer science Meeting Room TOCE,
Bangalore**

Members Present:

S. No	Name of the Member	Designation
1.	Dr. Vijaya Kumari	Dean Academics
2.	Dr. Manju Devi	Professor & HOD / ECE CIE Evaluation Committee Member
3.	Dr. Preetha Sharan	Professor & Dean Research / ECE, CIE Evaluation Committee Member
4.	Dr. Saravana Kumar	Professor / CSE
5.	Dr. Raghu	Assistant Professor / CSE
6.	Ms. Manasa	Assistant Professor / CSE
7.	Ms. Shruthi K Reddy	Assistant Professor / CSE
8.	Ms. J Jesy Janet Kumari	Assistant Professor / CSE
9.	Ms. ChaitraShree S	Assistant Professor / CSE



8th Sem Third Continuous Internal Evaluation Result Analysis Meeting

PROCEEDINGS OF THE MEETING:

- Dr. Vijaya Kumari Dean Academics along with CIE Evaluation committee coordinators started the third Internal Assessment Analysis meeting, during the meeting they have given the USN numbers 10X19CS004, 009, 015, 036, 063, 074, 085, 098, 104,113 randomly, same books are collected by the faculty, along with the question paper and the scheme for the meeting.
- Evaluation Committee member checked the test books (Blue Books), Question paper and Scheme, CIE Result Analysis sheet and they have pointed out the mistakes and gave the suggestions to correct the mistakes, its listed below:
 - Each question mark should be updated properly in the front page and mark should be updated in row and column for Absent students, AB should be written in front page of the blue book
 - CIE Evaluation committee coordinators checked each and every answer in the blue book with the scheme and they asked the reason for reduction of marks and gave suggestions to write comment for each question while reducing marks.
 - Each question should be evaluated and faculty sign should be placed on the front page of each blue book.

N. Srinivas
HOD 13/06/23

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
THE OXFORD COLLEGE OF ENGINEERING
BENGALURU - 560 068

V. Vijaya Kumari
Dean Academics 14/6/2023

[Signature]
Principal
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068



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Academic Semester: Feb '23 – May '23

8th SEM CIE 3 Result Analysis

4. A. TEST ANALYSIS

CLASS (BRANCH/ YEAR /SEC)	CLASS STREN GTH	NO. OF STUDEN TS APPEAR ED	NO. OF STUDENT S PASSED IN ALL SUBJECT S	OVERA LL PASS %	TEST NO : 3			TEST ON : 08/05/2023			DATE ON WHICH PROGRESS REPORT COMMUNIC ATED TO ALL PARENTS.		
					NO. OF STUDENTS FAILED IN			OVERALL PASS PERCENTAGE IN				COMPARED TO PREVIOUS TEST	
					1 SUB	2 SUB	3 & MORE SUB	TEST 1	TEST 2	TEST 3		NO. OF NEW FAILUR ES FROM THIS TEST	NO. OF NEW ALL PASSES COMPARED TO PREVIOUS TEST
CSE/4 th Yr /8A	58	58	42	72.4%	07	09	NA	62.5%	61.8%	72.4%	02	12	
CSE/4 th Yr/8B	62	62	47	90.3%	11	04	NA	84%	69.4%	90.3%	01	17	

4. B. TEST PERFORMANCE FOLLOW-UPS

STAFF PRODUCED RESULTS LESS THAN 75%							
STAFF NAME	DEPT.	SUBJECT	PASS %	NATURE OF SUBJECT (Analytical / Theory)	OBSERVATIONS FROM TEST PERFORMANCE	ACTION TAKEN	EFFECTIVENESS
Prof. Manasa S M	CSE	Internet of Things	74%	Theory	Students have not prepared for internals	Question papers with proper answer format was given for SEE.	Students will be aware of writing answers to specific questions answered

4. C. TEST PERFORMANCE IMPROVEMENT STRATEGIES

DEPARTMENT	PASS PERCENTAGE	IMPROVEMENT STRATEGIES	INITIATED FROM	EFFECTIVENESS / EXPECTED OUTCOME
CSE	81.35%	Making students to score more marks in VTU Exams	09/05/2023	Improvement in Teaching and Learning Effectiveness

Manasa S M
HOD, CSE

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BANGALURU - 560 063

U. G. S. S. S. S.
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COMPUTER SCIENCE AND ENGINEERING

Date: 02.05.2023

**First CIE Result Analysis Minutes of Meeting held on 02nd May 2023,
03:15 PM - 04.15 PM @ Computer science Meeting Room TOCE,
Bangalore**

Members Present:

S.No	Name of the Member	Designation
1	Dr. R Ch A Naidu	Professor & HOD/CSE, IQAC Coordinator
2	Dr.V S Bharath	Professor & HOD / EEE CIE Evaluation Committee Member
3	Dr. B R Raju	Professor & HOD / AutoMobile CIE Evaluation Committee Member
4	Dr. Manjula	Professor & HOD / Mechatronics CIE Evaluation Committee Member
5	Dr.Saravana Kumar	Professor / CSE
6	Ms.Vinotha D	Assistant Professor / CSE
7	Ms.Sajida Tabasum. U	Assistant Professor / CSE
8	Ms.Shruthi K	Assistant Professor / CSE
9	Ms. Sathya M	Assistant Professor / CSE
10	Ms.Manasa S M	Assistant Professor / CSE
11	Ms.Ramya shree	Assistant Professor / CSE



6th Sem First Continuous Internal Evaluation Result Analysis Meeting

PROCEEDINGS OF THE MEETING:

- Dr. R Ch A Naidu Professor & HOD cum IQAC coordinator started the first Internal Assessment Analysis meeting, during the meeting he has given the USN numbers 10X20CS016, 024, 030, 048, 056, 075, 009, 110, 122, 130 randomly, same books are collected by the faculty, along with the question paper and the scheme for the meeting.
- Evaluation Committee member checked the test books(Blue Books), Question paper and Scheme, and they have pointed out the mistakes and gave the suggestions to correct the mistakes, its listed below:
- Each question mark should be updated properly in the front page and mark should be updated in row and column
- IQAC coordinators checked each and every answers in the blue book and they asked the reason for reduction of marks
- Each questions should be evaluated and faculty sign should be placed on the front page of each book

Dean Academics

N. Ch. A. Naidu
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N. Ch. A. Naidu
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Academic Semester: Mar 2023 to Jul 2023

6 SEM CIE-1 Result Analysis

4. A. TEST ANALYSIS

CLASS (BRANCH/ YEAR /SEC)	CLASS STRENGTH	NO. OF STUDENTS APPEARED	NO. OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PASS %	TEST PERIOD: 24/04/2023 - 26/04/2023					DATE ON WHICH PROGRESS REPORT COMMUNICATED TO ALL PARENTS.			
					NO. OF STUDENTS FAILED IN			OVERALL PASS PERCENTAGE IN			COMPARED TO PREVIOUS TEST		
					1 SUB	2 SUB	3 & MORE SUB	TEST 1	TEST 2		TEST 3	NO. OF NEW FAILURES FROM THIS TEST	NO. OF NEW ALL PASSES COMPARED TO PREVIOUS TEST
CSE/3YR/6A	51	48	36	75%	9	3	0	75%	NA	NA	12	NA	
CSE/3YR/6B	53	41	31	76%	6	2	2	76%	NA	NA	10	NA	
CSE/3YR/6C	53	52	35	69%	10	2	4	69%	NA	NA	16	NA	

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4. B. TEST PERFORMANCE FOLLOW-UPS

STAFF PRODUCED RESULTS LESS THAN 75%							
STAFF NAME	DEPT.	SUBJECT	PASS %	NATURE OF SUBJECT (Analytical / Theory)	OBSERVATIONS FROM TEST PERFORMANCE	ACTION TAKEN	EFFECTIVENESS
Ms. Lenish	CSE	System Software & Compilers	68-72%	Theory	Not practiced well Need to explain more points	Gave more important questions	Improvement in CIE-2

4. C. TEST PERFORMANCE IMPROVEMENT STRATEGIES

DEPARTMENT	PASS PERCENTAGE	IMPROVEMENT STRATEGIES	INITIATED FROM	EFFECTIVENESS / EXPECTED OUTCOME
CSE	73%	<ol style="list-style-type: none"> 1. Organizing remedial classes for failed students. 2. Planning to give more practical assignments 3. Planning to conduct test after completion of chapter and revision class on important topics 	03/05/2023	Improvement in Teaching and Learning Effectiveness

Shubash
HOD, CSE 28/04/23

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DEAN ACADEMICS



CHILDREN'S EDUCATION SOCIETY (PREGD)
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COMPUTER SCIENCE AND ENGINEERING

Date: 09.06.2023

Second CIE Result Analysis Minutes of Meeting held on 09th June 2023, 03:15 PM – 04.15 PM @ Computer science Meeting Room TOCE, Bangalore

Members Present:

S.No	Name of the Member	Designation
1.	Dr. Vijaya Kumari	Dean Academics
2.	Dr. B R Raju	Professor & HOD / Auto Mobile CIE Evaluation Committee Member
3.	Dr. B K Manjunatha	Professor & HOD / BT CIE Evaluation Committee Member
4.	Dr. Gangavathi	Professor & HOD / S&H CIE Evaluation Committee Member
5.	Dr.Saravana Kumar	Professor / CSE
6.	Dr.Raghu	Assistant Professor / CSE
7.	Ms. Lenish Pramiee	Assistant Professor / CSE
8.	Ms. Sathya M	Assistant Professor / CSE
9.	Ms. Manjula L	Assistant Professor / CSE
10.	Mr.Varun Kumar	Assistant Professor / ME
11.	Mr.Raghavendra	Assistant Professor / ME



6th Sem Second Continuous Internal Evaluation Result Analysis Meeting

PROCEEDINGS OF THE MEETING:

- Dr. Vijaya Kumari Dean Academics along with CIE Evaluation committee coordinators started the second Internal Assessment Analysis meeting, during the meeting they have given the USN numbers 10X20CS001, 006, 016, 024, 56, 65, 80, 94, 103,113,124,151,10X21CS406, 402,405 randomly, same books are collected by the faculty, along with the question paper and the scheme for the meeting.
- Evaluation Committee member checked the test books(Blue Books), Question paper and Scheme, CIE Result Analysis sheet and they have pointed out the mistakes and gave the suggestions to correct the mistakes, its listed below:
- Each question mark should be updated properly in the front page and mark should be updated in row and column for Absent students AB should be written in front page of blue book
- CIE Evaluation committee coordinators checked each and every answers in the blue book and they asked the reason for reduction of marks and gave suggestions to write comment for each questions during reduction of marks
- Each questions should be evaluated and faculty sign should be placed on the front page of each book

V. Vijaya Kumari
Dean Academics
12/06/23

N. S. S. S.
12/06/23

Principal
12/06/23

HOD - CSE
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4. B. TEST PERFORMANCE FOLLOW-UPS

STAFF PRODUCED RESULTS LESS THAN 75%							
STAFF NAME	DEPT.	SUBJECT	PASS %	NATURE OF SUBJECT (Analytical / Theory)	OBSERVATIONS FROM TEST PERFORMANCE	ACTION TAKEN	EFFECTIVENESS
Dr.Saravana Kumar	CSE	Cloud Computing	6B-68%	Theory	Need to explain more points	Gave more important questions	Improvement in CIE-3
Ms.Lenish	CSE	System Software & Compilers	6B-72%	Theory & Analytical	Not prepared well More problem need to be practice	Gave more important questions	Improvement in CIE-3

4.C. TEST PERFORMANCE IMPROVEMENT STRATEGIES

DEPARTMENT	PASS PERCENTAGE	IMPROVEMENT STRATEGIES	INITIATED FROM	EFFECTIVENESS /EXPECTED OUTCOME
CSE	63.3%	<ol style="list-style-type: none"> 1. Organizing remedial classes for failed students. 2. Planning to give more practical assignments 3. Planning to conduct test after completion of chapter and revision class on important topics 	09/06/2023	Improvement in Teaching and Learning Effectiveness

Narayan
HOD, CSE 09/06/23

U. Yashwanth
DEAN ACADEMICS

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Academic Semester: Mar 2023 to Jul 2023

6 SEM CIE-2 Result Analysis

4. A. TEST ANALYSIS

CLASS (BRANCH/ YEAR /SEC)	CLASS STRENGTH	NO. OF STUDENTS APPEARED	NO. OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PASS %	NO. OF STUDENTS FAILED IN			OVERALL PASS PERCENTAGE IN			COMPARED TO PREVIOUS TEST		DATE ON WHICH PROGRESS REPORT COMMUNICATED TO ALL PARENTS.
					1 SUB	2 SUB	3 & MORE SUB	TEST 1	TEST 2	TEST 3	NO. OF NEW FAILURES FROM THIS TEST	NO. OF NEW ALL PASSES COMPARED TO PREVIOUS TEST	
CSE/3YR/6A	51	43 ✓	28	65%	5	7	3	75%	65%	NA	5	0	
CSE/3YR/6B	53	48 ✓	27	56%	8	8	5	76%	56%	NA	8	0	
CSE/3YR/6C	53	48 ✓	33	69%	9	0	6	69%	69%	NA	0	0	

TEST NO. :2

TEST PERIOD: 01/06/2023 - 03/06/2023



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COMPUTER SCIENCE AND ENGINEERING

Date: 14.07.2023

**Third CIE Result Analysis Minutes of Meeting held on 14th July 2023,
10:15 AM - 11:30 AM a Computer science Meeting Room TOCE,
Bangalore**

Members Present:

S.No	Name of the Member	Designation
1	Dr. Kannan N.	Principal, TOCE
2	Dr. Vinaya Kumari	Dean Academics, TOCE
3	Dr. R Ch A Naidu	Professor & HOD / CSE DEPT CIE Evaluation Committee Member
4	Dr. Manjula Devi	Professor & HOD / ECE DEPT CIE Evaluation Committee Member
5	Dr. B K Manjunatha	Professor & HOD / BT DEPT CIE Evaluation Committee Member
6	Dr. Saravana Kumar	Professor / CSE
7	Dr. Raghu	Assistant Professor / CSE
8	Ms. Lenish Pramiee	Assistant Professor / CSE
9	Ms. Sathya M	Assistant Professor / CSE
10	Ms. Manjula L	Assistant Professor / CSE
11	Mr. Varun Kumar	Assistant Professor / ME
12	Ms. Ramya Shri	Assistant Professor / CSE
13	Ms. Manasa S M	Assistant Professor / CSE



6th Sem Third Continuous Internal Evaluation Result Analysis Meeting
PROCEEDINGS OF THE MEETING:

- Dr.Kannan N and Dr. Vijaya Kumari Dean Academics along with CIE Evaluation committee coordinators started the third Internal Assessment Analysis meeting, during the meeting they have taken few books randomly, and faculty are asked to submit question paper and the scheme for the evaluation.
- Evaluation Committee members checked the test books(Blue Books), Question paper and Scheme, CIE Result Analysis sheet and they have pointed out the mistakes and gave the suggestions to correct the mistakes, its listed below:
- Each question mark should be updated properly in the front page and mark should be updated in row and column for Absent students AB should be written in front page of blue book.
- Committee members instructed faculty to conduct retest for absentees with the approval of HOD.
- CIE Evaluation committee coordinators checked each and every answer in the blue book and they asked the reason for reduction of marks and gave suggestions to write comment for each question during reduction of marks.
- Each question should be evaluated and faculty sign should be placed on the front page and back page of each book.
- Committee members instructed all subject handling faculties to give important questions to students for practice.

Narayan
HOD-CSE

HEAD OF THE DEPARTMENT
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Vijaya Kumari
Dean Academics

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Academic Semester: Mar 2023 to Jul 2023

6SEM CIE-3 Result Analysis

4. A. TEST ANALYSIS

CLASS (BRANCH/ YEAR /SEC)	CLASS STRENGTH	NO. OF STUDENTS APPEARED	NO. OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PASS %	TEST PERIOD: 03/07/2023 - 05/07/2023						DATE ON WHICH PROGRESS REPORT COMMUNICATED TO ALL PARENTS.		
					NO. OF STUDENTS FAILED IN			OVERALL PASS PERCENTAGE IN				COMPARED TO PREVIOUS TEST	
					1 SUB	2 SUB	3 & MORE SUB	TEST 1	TEST 2	TEST 3		NO. OF NEW FAILURES FROM THIS TEST	NO. OF NEW ALL PASSES COMPARED TO PREVIOUS TEST
CSE/3YR/6A	51	45	33	73%	8	1	3	75%	65%	73%	4	9	
CSE/3YR/6B	53	46	30	65%	7	4	5	76%	56%	65%	5	7	
CSE/3YR/6C	53	52	34	65%	7	7	4	69%	69%	65%	7	5	

4. B. TEST PERFORMANCE FOLLOW-UPS

STAFF PRODUCED RESULTS LESS THAN 75%							
STAFF NAME	DEPT.	SUBJECT	PASS %	NATURE OF SUBJECT (Analytical / Theory)	OBSERVATIONS FROM TEST PERFORMANCE	ACTION TAKEN	EFFECTIVENESS
Ms. Ramya sri	CSE	Web Technology and its Applications	66-74%	Theory	Need to write clear-cut examples for maximum questions	Gave more examples for each topic and important questions	Improvement in University Exams

4. C. TEST PERFORMANCE IMPROVEMENT STRATEGIES

DEPARTMENT	PASS PERCENTAGE	IMPROVEMENT STRATEGIES	INITIATED FROM	EFFECTIVENESS / EXPECTED OUTCOME
CSE	68%	Discussed important questions and students are instructed to practice all discussed questions	10/07/2023	Improvement in Teaching and Learning Effectiveness

N. Srinivas
18/7/23
HOD, CSE

V. Godwin
18/7/23
DEAN ACADEMICS

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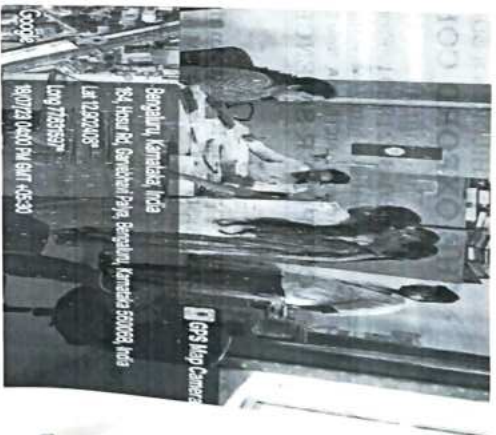
COMPUTER SCIENCE AND ENGINEERING

Date: 18.07.2023

4th Semester First CIE Result Analysis, Minutes of Meeting held on 18th July 2023, 3:30 PM - 4:30 PM @ HOD chamber, Dept of CSE TOCE, Bangalore

Members Present:

S.No	Name of the Member	Designation
1	Dr B K Manjunath	Professor & HOD Dept of BT
2	Dr. Tharaka Rami Reddy	Professor & HOD Dept of MBA
3	Dr Bindu Madavi P	Professor, HOD / AI & ML
4	Dr. E Saravana kumar	Professor, Dept of CSE
5	Prof Chandran	Assistant Professor, Maths
6	Ms. Jesy Janet Kumari	Assistant Professor, CSE
7	Ms. Asha Kumari A	Assistant Professor, CSE
8	Ms. Charthrashree	Assistant Professor, CSE
9	Ms. Sajida Tabasum	Assistant Professor, CSE
10	Ms. Sheeba kumari	Assistant Professor, ECE



4th Sem First Continuous Internal Assessment Result Analysis Meeting Proceedings Of The Meeting:

- Dr. E Saravana Kumar, Professor Dept of CSE, welcomed the committee members to the department.
- Dr. B. K Manjunath, Professor and Head, Dept of BT, started the 1st CIE result Analysis meeting by verifying the MRR and CIE marks sheets.
- Action plans for the improving the performance of the students were discussed.
- Answer scripts were randomly selected from each section of 4th semester for analysis.
- Evaluation Committee members checked the answer books (Blue Books), Question paper and Scheme for any discrepancies in the correction, blooms taxonomy levels and they have pointed out the mistakes, gave the suggestions to correct the mistakes, which are listed below:
- Finalized marks should be updated in the details of the internal test marks tabular form.

- If students have written extra questions that has to be indicated clearly.
- Proper comments should be given when there is deduction of marks.

Dr. E Saravana Kumar thanked the committee members for conducting the evaluation and for the valuable suggestions.

Narayan
20/07/23.
HOD CSE

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Academic Semester: June 2023 to Oct 2023

4SEM IA I Result Analysis

4. A. TEST ANALYSIS

TEST NO. :1					TEST PERIOD:10/07/2023 - 13/07/2023								
CLASS (BRANCH/ YEAR /SEC)	CLASS STRENGTH	NO. OF STUDENTS APPEARED	NO. OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PASS %	NO. OF STUDENTS FAILED IN			OVERALL PASS PERCENTAGE IN			COMPARED TO PREVIOUS TEST		DATE ON WHICH PROGRESS REPORT COMMUNICATED TO ALL PARENTS.
					1 SUB	2 SUB	3 & MORE SUB	TEST 1	TEST 2	TEST 3	NO. OF NEW FAILURES FROM THIS TEST	NO. OF NEW ALL PASSES COMPARED TO PREVIOUS TEST	
CSE/2YR/4A	64	58	42	74.6	8	3	5	74.6	NA	NA	NA	NA	20/07/2023
CSE/2YR/4B	63	58	41	73	7	7	3	73	NA	NA	NA	NA	
CSE/2YR/4C	65	58	46	76.6	6	3	3	76.6	NA	NA	NA	NA	

4. B. TEST PERFORMANCE FOLLOW-UPS

STAFF PRODUCED RESULTS LESS THAN 75%							
STAFF NAME	DEPT.	SUBJECT	PASS %	NATURE OF SUBJECT (Analytical / Theory)	OBSERVATIONS FROM TEST PERFORMANCE	ACTION TAKEN	EFFECTIVENESS
NIL							

4.C. TEST PERFORMANCE IMPROVEMENT STRATEGIES

DEPARTMENT	PASS PERCENTAGE	IMPROVEMENT STRATEGIES	INITIATED FROM	EFFECTIVENESS / EXPECTED OUTCOME
CSE	74.5%	1. Organizing remedial classes for failed students and conduct test after completion of important topics in each chapter. 2. Planning to give more practical assignments. 3. Conduct PTM on 25 th July 2023 for all students, inform about their academic performance, attendance shortage.	24/07/2023	<ul style="list-style-type: none"> Improvement in Teaching and Learning Effectiveness Pass percentage will be increased

Shree
HOD-CSE 19/07/23

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COMPUTER SCIENCE AND ENGINEERING

Date: 23.08.2023

4th Semester second CIE Result Analysis. Minutes of Meeting held on 23rd August 2023, 2 :45PM to 3:30 PM @ HOD chamber, Dept of CSE TOCE, Bangalore

Members Present:

S.No	Name of the Member	Designation
1	Dr. R.Ch.A.Naidu	Professor & HOD Dept of CSE
2	Dr. B. K. Manjunath	Professor & HOD Dept of BT
3	Dr. Manjula	Professor & HOD dept of Mechatronics
4	Dr. Malleshiah	Professor, HOD/Civil department
5	Prof. Divya Achar	Assistant Professor, Maths
6	Ms. Asha Kumari A	Assistant Professor, CSE
7	Ms.Shruthi K Reddy	Assistant Professor, CSE
8	Ms. Suchandana Mishri	Assistant Professor, ECE
9	Ms. Sajida Tabasum	Assistant Professor, CSE
10	Ms. Sheeba kumari	Assistant Prof, ECE
11	Ms.Vijaylaxshi	Assistant Prof, ECE

- In general, Evaluation committee members asked to conduct open book test for giving practice for writing good content in the theory subjects.
- Committee members suggested conducting class tests after completion of every module.
- Dr. R. Ch. A. Naidu, thanked the committee members for conducting the evaluation and for the valuable suggestions



HOD CSE



DEAN ACADEMICS

HEAD OF THE DEPARTMENT

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Academic Semester: June 2023 to Oct 2023

4SEM CIE II Result Analysis

4. A. TEST ANALYSIS

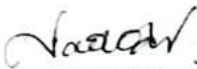
TEST NO. :2					TEST PERIOD:16/08/2023 - 21/08/2023								
CLASS (BRANCH/ YEAR /SEC)	CLASS STRENGTH	NO. OF STUDENTS APPEARED FOR ALL SUBJECTS	NO. OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PASS %	NO. OF STUDENTS FAILED IN			OVERALL PASS PERCENTAGE IN			COMPARED TO PREVIOUS TEST		DATE ON WHICH PROGRESS REPORT COMMUNICATED TO ALL PARENTS.
					1 SUB	2 SUB	3 & MORE SUB	TEST 1	TEST 2	TEST 3	NO. OF NEW FAILURES FROM THIS TEST	NO. OF NEW ALL PASSES COMPARED TO PREVIOUS TEST	
CSE/2YR/4A	65	60	50	83.33	4	1	5	74.6	83.3	NA	4	8	28/08/2023
CSE/2YR/4B	63	59	51	86.44	7	1	0	73	86.4	NA	3	9	
CSE/2YR/4C	65	54	48	88.88	4	1	1	76.6	88.8	NA	2	6	

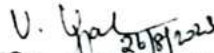
4. B. TEST PERFORMANCE FOLLOW-UPS


STAFF PRODUCED RESULTS LESS THAN 75%							
STAFF NAME	DEPT.	SUBJECT	PASS %	NATURE OF SUBJECT (Analytical / Theory)	OBSERVATIONS FROM TEST PERFORMANCE	ACTION TAKEN	EFFECTIVENESS
NIL							

4.C. TEST PERFORMANCE IMPROVEMENT STRATEGIES

DEPARTMENT	PASS PERCENTAGE	IMPROVEMENT STRATEGIES	INITIATED FROM	EFFECTIVENESS /EXPECTED OUTCOME
CSE	84.3	1. Revision before the conduction of 3 rd CIE 2. Class test to be conducted after every module	23/08/2023	<ul style="list-style-type: none"> • After conducting remedial classes improvement in Teaching and Learning Effectiveness • Number of failures reduced • Pass percentage increased


 HOD, CSE 26/08/23
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 DEAN ACADEMICS 26/08/23


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COMPUTER SCIENCE AND ENGINEERING

Date: 04.10.2023

4th Semester Third CIE Result Analysis, Minutes of Meeting held on 3rd
Oct 2023, 12:00 PM - 12:45 PM @ HOD chamber, Dept of CSE TOCE,
Bangalore

Members Present:

S.No	Name of the Member	Designation
1	Dr. B. K. Manjunath	Professor & HOD Dept of BT
2	Dr. Tharaka rami Reddy	Professor & HOD dept of MBA
3	Dr. R.Ch.A. Naidu	Professor & HOD Dept of CSE
4	Prof. Sathya	Assistant Professor, CSE
5	Prof. Chandran	Assistant Professor, Maths
6	Ms. Jesy Janet Kumari	Assistant Professor, CSE
7	Ms. Asha Kumari A	Assistant Professor, CSE
8	Ms. Sajida Tabasum	Assistant Professor, CSE
9	Ms. Sheeba kumari	Assistant Prof, ECE
10	Ms. Vijayalaxmi	Assistant Prof, ECE
11	Prof. Manoj Kumar	Assistant Professor, S&H



4th Sem Third Continuous Internal Assessment Result Analysis
Meeting



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COMPUTER SCIENCE AND ENGINEERING

PROCEEDINGS OF THE MEETING:

- Dr. R. Ch. A. Naidu, Professor & HOD Dept of CSE welcomed the committee members to the department.
- Dr. B. K Manjunath, Professor and Head, Dept of BT, started the 3rd CIE result Analysis meeting by verifying the MRR and CIE marks sheets.
- Action plans for the improving the performance of the students were discussed.
- Answer scripts were randomly selected from each section of 4th semester for analysis.
- Dr. B. K Manjunath and Dr. Tharaka rami Reddy checked the answer books (Blue Books), Question paper and Scheme for any discrepancies in the correction, blooms taxonomy levels and they have pointed out the mistakes, gave the suggestions to correct the mistakes, which are listed below:
 - Finalized marks should be updated in the details of the internal test marks tabular form.
 - If students have written extra questions that has to be indicated clearly.
 - Proper comments should be given when there is deduction of marks.

Dr. R. Ch. A. Naidu thanked the committee members for conducting the evaluation and for the valuable suggestions.

HOD CSE 05/11/10

HEAD OF THE DEPARTMENT

COMPUTER SCIENCE AND ENGINEERING

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Academic Semester: June 2023 to Oct 2023

4SEM CIE III Result Analysis

4. A. TEST ANALYSIS

TEST NO. :3					TEST PERIOD:11/09/2023 - 15/09/2023								
CLASS (BRANCH/ YEAR /SEC)	CLASS STRENGTH	NO. OF STUDENTS APPEARED FOR ALL SUBJECTS	NO. OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PASS %	NO. OF STUDENTS FAILED IN			OVERALL PASS PERCENTAGE IN			COMPARED TO PREVIOUS TEST		DATE ON WHICH PROGRESS REPORT COMMUNICATED TO ALL PARENTS.
					1 SUB	2 SUB	3 & MORE SUB	TEST 1	TEST 2	TEST 3	NO. OF NEW FAILURES FROM THIS TEST	NO. OF NEW ALL PASSES COMPARED TO PREVIOUS TEST	
CSE/2YR/4A	65	63	42	66.67	12	6	3	74.6	83.3	66.67	13	3	25/09/2023
CSE/2YR/4B	63	61	50	81.96	10	1	0	73	86.4	81.96	7	2	
CSE/2YR/4C	65	62	46	74.19	6	3	7	76.6	88.8	74.19	6	2	

4. B. TEST PERFORMANCE FOLLOW-UPS

STAFF PRODUCED RESULTS LESS THAN 75%							
STAFF NAME	DEPT.	SUBJECT	PASS %	NATURE OF SUBJECT (Analytical / Theory)	OBSERVATIONS FROM TEST PERFORMANCE	ACTION TAKEN	EFFECTIVENESS
NIL							

4.C. TEST PERFORMANCE IMPROVEMENT STRATEGIES

DEPARTMENT	PASS PERCENTAGE	IMPROVEMENT STRATEGIES	INITIATED FROM	EFFECTIVENESS /EXPECTED OUTCOME
CSE	74.27	1. Question banks to be shared with students 2. Students are advised to revise well before final exams 3. Extra help to be offered for needed students.	20/09/2023	<ul style="list-style-type: none"> Improved SEE results expected.

[Signature]
HOD, CSE 27/09

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