



Vidyavardhini's College of Engineering & Technology

Founder President Late Padmashri H. G. Vartak

Approved by AICTE, DTE Maharashtra and Affiliated to University of Mumbai
NAAC accredited, 4 Programmes Accredited by NBA

Criteria Number: 1

Criteria Name: Curricular Aspects

Sub criteria Number: 1.1.1
Implementation

Sub-criteria Name: Curricular Planning and

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment.

Supporting Documents

| Sr. No. | Documents | Link |
|---------|------------------------------|--------------------------------------|
| 1 | University Calendar | Supporting Documents |
| 2 | Academic Calendar | Supporting Documents |
| 3 | Department Activity Calendar | Supporting Documents |
| 4 | Subject Choice form | Supporting Documents |
| 5 | CO Formation MOM | Supporting Documents |
| 6 | Time Table | Supporting Documents |
| 7 | Project Schedule | Supporting Documents |
| 8 | Lesson Plan | Supporting Documents |
| 9 | Continuous Assessment | Supporting Documents |
| 10 | Course File | Supporting Documents |
| 11 | Course Booklet | Supporting Documents |
| 12 | IAMC Meeting MOM | Supporting Documents |
| 13 | Result Analysis | Supporting Documents |
| 14 | Academic Audit Form | Supporting Documents |

University of Mumbai



No. AAMS (UG)/ 33 of 2022-23

CIRCULAR :-

The Directors/Heads of the University Departments, the Principal of the Affiliated colleges, Head of the Recognized Institutions concerned, the Principals of the Sir J.J. College of Architecture and the Director/Co-ordinators of Ratnagiri Sub-Centre & Thane Sub-Centre, Bharatran Dr. Babasaheb Ambedkar, Ambadve, (Model College), Smt. Vijayalakshmi Dalvi (Model College) and the Captain Superintendent, Ministry of Surface Transport, Training Ship "Chanakya" Government of India, Navi Mumbai are hereby informed that the arrangement of terms in the various faculties of the University for the academic year 2022-2023 has been accepted by the Academic Council at its meeting held on 17th May, 2022 vide item No.9.4 and subsequently approved by the Management Council at its meeting held on 25th May, 2022 vide item No. 5 and in accordance therewith, the arrangement of terms for the courses of studies in the various faculties for the academic year 2022-2023 is under:-

The same available on the University website (www.mu.ac.in)

Faculty of Humanities (Arts) :- Including all **Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree courses** under the Arts

First Term - 13th June, 2022 to 22nd October, 2022 } Both days
Second Term - 7th November, 2022 to 1st May, 2023 } inclusive

1. Mid Term Break from 31st August, 2022 to 4th September, 2022
(both days inclusive) Ganpati vacation
2. Winter Break from 25th December, 2022 to 31st December, 2022
(both days inclusive)
3. Diwali Vacation from 21st October, 2022 to 6th November, 2022
(both days inclusive)
4. Summer Vacation from 2nd May, 2023 to 12th June, 2023
(both days inclusive)

Faculty of Science & Technology (Science) :- Including all Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree courses under the Science

First Term - 13th June, 2022 to 22nd October, 2022 } Both days
Second Term - 7th November, 2022 to 1st May, 2023 } inclusive

1. Mid Term Break from 31st August, 2022 to 4th September, 2022
(both days inclusive) Ganpati vacation
2. Winter Break from 25th December, 2022 to 31st December, 2022
(both days inclusive)
3. Diwali Vacation from 21st October, 2022 to 6th November, 2022
(both days inclusive)
4. Summer Vacation from 2nd May, 2023 to 12th June, 2023
(both days inclusive)

Faculty of Science & Technology (Engineering):- Third and Final Year Engineering (Full time) all Programs/Branches. MCA (Second and Third Year)

First Term - 11th July, 2022 to 17th December, 2022 } Both days
Second Term - 09th January, 2023 to 10th June, 2023 } inclusive

Second Year Engineering (Full time) all programs/Branches, ME (Second Year) all programs/ Branches.

First Term - 18th July, 2022 to 17th December, 2022 } Both days
Second Term - 09th January, 2023 to 10th June 2023 } inclusive

1. Mid Term Break from 31st August, 2022 to 4th September, 2022.
(both days inclusive) Ganpati vacation
2. Winter and Summer Vacation shall be given as per the UGC/University of Mumbai norms.

Faculty of Science & Technology MCA (Second Year)

First Term - 01st August, 2022 to 24th December, 2022 } Both days
Second Term - 09th January, 2023 to 10th June 2023 } inclusive

1. Mid Term Break from 31st August, 2022 to 4th September, 2022.
(both days inclusive) Ganpati vacation
2. Winter and Summer Vacation shall be given as per the UGC/University of Mumbai norms.

Faculty of Science & Technology (Pharmacy):

The arrangement of terms for the B. Pharm. Degree course be as under:-

First Term - 6th July, 2022 to 11th December, 2022 } Both days
Second Term - 12th Dec, 2022 to 27th May, 2023 } inclusive

1. Mid term break from 31st August, 2022 to 4th Sept, 2022
(both days inclusive) Ganpati Vacation.
2. Diwali Vacation from 24th October, 2022 to 07th November, 2022
(both days inclusive)
3. Winter break from 23rd December, 2022 to 1st Jan, 2023
(both days inclusive)
4. Summer Vacation from 28th May, 2023 to 5th July, 2023
(both days inclusive)

Faculty of Science & Technology (Pharmacy):

The arrangement of terms for the M. Pharm. Degree course be as under:-

First Term - 1st August, 2022 to 31st December, 2022 } Both days
Second Term - 1st January, 2023 to 30th June, 2023 } inclusive

There is no vacation for M. Pharm. Course.

Architecture under the Faculty of Science & Technology:-

First Term - 6th June 2022 to 21st October, 2022 } (both days inclusive)
Second Term - 21st November 2022 to 28th April 2023 } (inclusive of exams)

1. Mid Term Break from 31st August, 2022 to 4th September, 2022
(both days inclusive) Ganpati vacation
2. Diwali Vacation from 22nd October, 2022 to 20th November, 2022 (both
days inclusive),
3. Winter Break from 24th December 2022 - 1st January 2023
(both days inclusive)
4. Summer Vacation from 29th April 2023 to 4th June, 2023
(both days inclusive)

**Note: Terms 1st year (Second Half 2022) shall be decided on admission process
2nd Year (Sem 3) shall commence from 17th August, 2022 to 23rd December, 2022**

Faculty of Commerce & Management: - Including all **Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree courses** under the Commerce & Management.

First Term - 13th June, 2022 to 22nd October, 2022 } Both days inclusive
Second Term - 7th November, 2022 to 1st May, 2023 }

1. Mid Term Break from 31st August, 2022 to 4th September, 2022 (both days inclusive) Ganpati vacation.
2. Diwali Vacation from 21st October, 2022 to 6th November, 2022 (both days inclusive)
3. Winter Break from 25th December, 2022 to 31st December, 2022 (both days inclusive)
4. Summer Vacation from 2nd May, 2023 to 12th June, 2023 (both days inclusive)

Faculty of Commerce & Management Studies (Management): - Including all **Management Studies Stream** (Excluding First Year of the MMS [Pl.refer Cir.No.UG/177 of 2019-20, dated 10th Dec, 2019] courses be as under.

2 Years Full -Time MMS Program and 3 years Part time MMS Programs:

First Term - 01st July, 2022 to 15th November, 2022 } Both days inclusive
Second Term - 17th October, 2023 to 30th April, 2023 }

MMS: First Year-2nd Sem.(A.Y.2021-22) will be from 01st July, 2022 to 15th October, 2022

MMS:Second Year-3rd Sem.(A.Y.2022-23) will be from 17th October, 2022 to 15th Feb, 2023

MMS:Second Year-4th Sem.(A.Y.2022-23) will be from 16th February to 31st May 2023

1. Mid-Term Break from 31st August 2022 to 04th September 2022
2. Semester End Break : 5th December 2022-31st December 2022

MMS Year 1: as per the schedule of CET Cell, DTE

Faculty of Interdisciplinary Studies (Education):-

The arrangement of terms of all **Certificate, Diploma, Post-graduate Diploma, B.Ed Degree and Master Degree courses in Education and Special Education**, be as under.

First Term - 23rd June, 2022 to 24th December, 2022 } Both days
Second Term - 2nd January, 2023 to 22nd May, 2023 } inclusive

1. Mid Term Break - 31st August, 2022 to 4th September, 2022
(both days inclusive) Ganpati vacation.
2. Diwali Vacation from 19th October, 2022 to 5th November, 2022
(both days inclusive)
3. Winter Break = 26th December, 2022 to 31st December, 2022
(both days inclusive)
4. Summer Vacation from 23rd May, 2023 to 22nd June, 2023
(both days inclusive)

Faculty of Interdisciplinary Studies (Law):-

The arrangement of terms of all **Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree courses**, be as under.

First Term - 1st July, 2022 to 24th December, 2022 } Both days
Second Term - 02nd January, 2023 to 20th May, 2023 } inclusive

1. Mid Term Break - 1st September, 2022 to 4th September, 2022
(both days inclusive) Ganpati vacation.
2. Diwali Vacation from 19th October, 2022 to 5th November, 2022
(both days inclusive)
3. Winter Break = 26th December, 2022 to 31st December 2022
(both days inclusive)
4. Summer Vacation from 22nd May, 2023 to 30th June, 2023
(both days inclusive)

Faculty of Interdisciplinary Studies (Law):-

The arrangement of terms for **BMS-LLB (Five Years Integrated Course) vide Circular No.UG/195 of 2019-20, dated 17th March, 2020 (BBA-LLB) (Hons) (Five Years Integrated Course)**, be as under.

First Term - 01st July, 2022 to 24th December, 2022 } Both days
Second Term - 2nd January, 2023 to 20th May, 2023 } inclusive

1. Mid Term Break from 31st August, 2022 to 4th September, 2022
(both days inclusive) Ganpati vacation.
2. Diwali Vacation from 19th October, 2022 to 5th November, 2022
(both days inclusive)
3. Winter Break = 26th December, 2022 to 31st December 2022
(both days inclusive)
4. Summer Vacation from 22nd May, 2023 to 30th June, 2023
(both days inclusive)

Faculty of Interdisciplinary Studies (Fine Art) :- Including all Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree Courses (Music/Dance/Fine Art (By Paper & By Research) (All branches) be as under:-

- First Term - 4th June, 2022 to 24th Dec, 2022 } Both days
Second Term - 2nd Jan, 2023 to 8th May, 2023 } inclusive
1. Mid Term Break from 31st August, 2022 to 4th September, 2022 (both days inclusive) Ganpati vacation.
 2. Diwali Vacation from 19/10/2022 to 5/11/2022 (both days inclusive)
 3. Summer Vacation from 23/5/2023 to 22/6/2023 (both days inclusive)

Faculty of Interdisciplinary Studies (Fine Art) :- The arrangement of terms for Including all (Music Department, Lok Kala Academy, Academy of Theatre Arts & Nalanda Nritya Kala Mahavidyalaya under the Fine Art stream be as under :-

- First Term - 4th June, 2022 to 24th Dec, 2022 } Both days
Second Term - 2nd Jan, 2023 to 8th May, 2023 } inclusive
1. Mid Term Break from 31st August, 2022 to 4th September, 2022 (both days inclusive) Ganpati vacation
 2. Diwali Vacation from 19/10/2022 to 5/11/2022 (both days inclusive)
 3. Summer Vacation from 23/5/2023 to 22/6/2023 (both days inclusive)

MUMBAI-400 032

5th June, 2022

To,

(Sudhir Puranik)
REGISTRAR

The Directors/Heads of the University Departments, the Principal of the affiliated colleges, Head of the recognized Institutions concerned, the Principals of the Sir J.J. College of Architecture and the Director/Co-ordinators of Ratnagiri Sub-Centre & Thane Sub-Centre and the Captain Superintendent, Ministry of Surface Transport, Training Ship "Chanakya" Government of India, Navi Mumbai.

AC/9.4/17/05/2022

M.C/5/25/5/2022

No. AAMS(UG)/ 33 -A of 2022

5th June, 2022

Copy forwarded with compliments for information to:-

- 1) The Deans, of all faculties and Chairman/Chairpersons of the various Board of Studies and **Ad-hoc** Board of Studies ,
- 2) The Director of Board of Examinations and Evaluation,
- 3) The Director of Board of Student Development.,
- 4) The Director, Department of Information & Communication Technology,

(Sudhir Puranik)
REGISTRAR

General Guidelines to conducting Academic & examination Activities

All the principals of the affiliated colleges in Engineering are hereby informed that the Detailed Schedule of the Term of Undergraduate (BE) in Engineering programs for Academic year 2021 – 22 will be as under: -

Reference: Mumbai University Circular No. AAMS(UG)/34 of 2021-22 dated 6th August, 2021

University Calendar_2021-22

| Sr. No | Particular | ODD Semester Second Half 2021 | Particular | Even Semester First Half 2022 |
|--------|--|---|--|--|
| 1. | Working days for all courses TE and BE | 12 th July 2021 to 23 rd October 2021 | Working days for all courses SE, TE, BE | 10 th January 2022 to 23 rd April 2022 |
| 2. | Conducting Oral/Practical Examination TE, BE | 25 th October 2021 to 13 th November 2021 | Conducting Oral/Practical Examination SE, TE, BE | 25 th April 2022 to 5 th May 2022 |
| 3. | Theory Examination TE, BE (SEM V and VII) | 22 nd November 2021 to 4 th December 2021 | Theory Examination SE, TE, BE (SEM IV, VI, VIII) | 9 th May 2022 to 21 st May 2022 |
| 4. | Theory Examination TE, BE (SEM VI and VIII) | 7 th December 2021 to 22 nd December 2021 | Theory Examination SE, TE, BE (SEM III, V, VII) | 23 rd May 2022 to 4 th June 2022 |
| 5. | Commencement of New Term | 10th January 2022 | Commencement of New Term | 4th July 2022 |

| Sr. No | Particular | ODD Semester Second Half 2020 |
|--------|---|--|
| 1. | Working days for all courses SE | 23 rd August to 1 st December 2021 |
| 2. | Conducting Oral/Practical Examination SE | 13 th December to 18 th December 2021 |
| 3. | Theory Examination SE (SEM III) | 23 rd December 2021 to 4 th January 2022 |
| 4. | Theory Examination SE (SEM IV) | 24 th December 2021 to 5 th January 2022 |
| 5. | Commencement of New Term | 10th January 2022 |

- All Faculty should be available for examination and assessment duties as required. All colleges should conduct Internal Assessment Test I & II on completion of approximately 40% and 70% of syllabus respectively

Date: 17/08/2021



Dr. S. K. Ukarande
Associate Dean, Faculty of Science & Technology
University of Mumbai

University of Mumbai



No. UG/ 40 of 2020-21

CIRCULAR:-

A reference is invited to the Circular No.UG/01 of 2020-21 dated 2nd August, 2020 relating to the commencement of the online conduct of lectures w.e.f. 7th August, 2020 as beginning of the terms of the new Academic Year 2020-21.

Accordingly, the Directors/Heads of the University Departments, the Principals of the Constituent/Affiliated Colleges, Heads of the constituent recognized Institutions concerned, the Principals of the Sir J.J. College of Architecture and the Director, Institute of Distance and Open Learning, Co-ordinators of Ratnagiri Sub-Centre & Thane Sub-Centre and the Captain Superintendent, Ministry of Surface Transport, Training Ship "Chanakya", Government of India, Nerul, Navi Mumbai- 706 are hereby informed that in exercise of the powers conferred upon the Hon'ble Vice- Chancellor under Section 12(7) of the Maharashtra Public Universities Act, 2016 and that in accordance therewith, the arrangement of terms for the Courses/Programms of studies in the various faculties for the academic year 2020-21 is as under;-

The same available on the University website (www.mu.ac.in)

Faculty of Humanities (Arts) : -

The arrangement of terms for Including all **Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree Courses** under the Arts Stream (excluding all Management Studies Courses and B.Ed. degree course).

| | | | |
|-------------|---|--|--------------------------|
| First Term | - | 07 th August, 2020 to 31 st December, 2020 | } Both days inclusive |
| Second Term | - | 01 st January, 2021 to 31 st May, 2021 | |

Diwali Vacation from 12th November, 2020 to 18th November, 2020
** total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021 ** total 13 days.
** - both days inclusive.

Diwali Vacation from 12th November, 2020 to 18th November, 2020
** total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021 ** total 13 days.
** - both days inclusive.

Faculty of Science & Technology (Engineering) :-

The arrangement of terms Engineering (Fulltime) all Programs/Branches, ME (Second Year) all Programs/Branches, MCA (Second and Third Year)

First Term - 7th August, 2020 to 31st December, 2021 } Both days
Second Term - 1st January, 2021 to 31st May, 2021 } Inclusive

Diwali Vacation from 12th November, 2020 to 18th November, 2020 **
** total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021
** total 13 days.

** - both days inclusive.

Faculty of Science & Technology (Pharmacy) :-

The arrangement of terms for the **B.Pharm.** degree course be as under:-

First Term 7th August, 2020 to 31st December, 2021 } Both days
Second Term - 1st January, 2021 to 31st May, 2021 } inclusive

Diwali Vacation from 12th November, 2020 to 18th November, 2020
** total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021
** total 13 days.

** - both days inclusive.

The arrangement of terms for the **M. Pharm.** degree courses be as under :-

First Term - 7th August, 2020 to 31st December, 2020 } Both days
Second Term - 1st January, 2021 to 31st May, 2021 } inclusive

There is **no Diwali and Summer vacation** for M.Pharm.

Faculty of Science & Technology (Architecture) :-

The arrangement of terms for the **Certificate, Diploma, Post-Graduate Diploma, 2nd Year to 5th Year B.Arch. Degree and Second Year of M.Arch. Master Degree Courses in Architecture** be as under:-

First Term - 7th August, 2020 to 31st December, 2020
Second Term - 1st January, 2021 to 31st May, 2021 } Both days inclusive

Diwali Vacation from 12th November, 2020 to 18th November, 2020
** total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021**total 13 days.
** - both days inclusive.

Faculty of Commerce & Management Studies (Commerce) :-

The arrangement of terms for Including all **Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree courses** under the Commerce Stream.

First Term - 07th August, 2020 to 31st December, 2020
Second Term - 01st January, 2021 to 31st May, 2021 } Both days inclusive

Diwali Vacation from 12th November, 2020 to 18th November, 2020
** total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021 ** total 13 days.
** - both days inclusive.

Faculty of Commerce & Management Studies (Management) :-

The arrangement of terms for all the courses of study in **Management Studies Stream** (excluding First Year of the M.M.S, Three Years Part-time MMS (MM), Three Years Part-time MMS (FM) , Three Years Part-time MMS (HRDM) , Three Years Part-time MMS (IM) Three Years Part-time MMS (FSM) [Pl. refer Cir.No.UG/177 of 2019-20, dated 10th December, 2019.] courses be as under :-

First Term - 7th August, 2020 to 31st December, 2020
Second Term - 1st January, 2021 to 31st May, 2021 } Both days inclusive

Diwali Vacation from 12th November, 2020 to 18th November, 2020
**total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021** total 13 days.
** - both days inclusive.

Second Term - 1st January, 2021 to 31st May, 2021 } inclusive

Diwali Vacation 12th November, 2020 to 18th November, 2020 **total 07 days.

Faculty of Interdisciplinary Studies (Education) :-

The arrangement of terms for all Certificate, Diploma, Post-graduate Diploma, B.Ed Degree and Master Degree courses in Education and Special Education, be as under.

First Term - 07th August, 2020 to 31st December, 2020 } Both days
Second Term- 01st January, 2021 to 31st May, 2021 } inclusive

Diwali Vacation from 12th November, 2020 to 18th November, 2020
**total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021 ** total 13 days .

** - both days inclusive.

Faculty of Interdisciplinary Studies (Law) :-

The arrangement of terms for Including all Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree Courses under, be as under :-

First Term - 07th August, 2020 to 31st December, 2020 } Both days
Second Term - 01st January, 2021 to 31st May, 2021 } inclusive

Diwali Vacation from 12th November, 2020 to 18th November, 2020
** total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021** total 13 days.
** - both days inclusive.

Faculty of Interdisciplinary Studies (Law)

The arrangement of terms for **BMS-LLB (Five Years Integrated Course) vide Cir No.UG/195 of 2019-20, dated**

17th March, 2020 (BBA-LLB (Hons) (Five Years Integrated Course), **be as under :-**

First Term - 07th August, 2020 to 31st December, 2020 } Both days
Second Term - 01st January, 2021 to 31st May, 2021 } inclusive

Diwali Vacation from 12th November, 2020 to 18th November, 2020
** total 07 days.

Summer Vacation from 1st June, 2021 to 13th June, 2021** total 13 days.

** - both days inclusive.

Faculty of Interdisciplinary Studies (Fine Art) :-

The arrangement of terms for Including all **Certificate, Diploma, Post-graduate Diploma, Degree and Master Degree Courses (Music/Dance/Fine Art (By Paper & By Research) (All branches)** , be as under:-

First Term - 7th August, 2020 to 31st December, 2020 } Both days
Second Term - 1st January, 2021 to 31st May, 2021 } inclusive

Diwali Vacation from **12th November, 2020 to 18th November, 2020**
total **07 days.

Summer Vacation from **1st June, 2021 to 13th June, 2021** ** total 13 days.

** both days inclusive.

under the Fine Art stream be as under:-

First Term - 7th August, 2020 to 31st December, 2020
Second Term - 1st January, 2021 to 31st May, 2021 } Both days inclusive

Diwali Vacation from 12th November, 2020 to 18th November, 2020
**total 07 days

Summer Vacation from 1st June, 2021 to 13th June, 2021 ** total 13 days.
** - both days inclusive.



MUMBAI-400 032
22nd December 2020

(Dr. B.N. Gaikwad)
I/c REGISTRAR

To,

The Directors/Heads of the University Departments, the Principal of the affiliated colleges, Head of the recognized Institutions concerned, the Principals of the Sir J.J. College of Architecture and the Director/Co-ordinators of Ratnagiri Sub-Centre & Thane Sub-Centre and the Captain Superintendent, Ministry of Surface Transport, Training Ship "Chanakya" Government of India, Mumbai - 400 001.

AC/8.1/ 23/07/2020
MC/

No. LG/40-A of 2020

MUMBAI-400 032

22nd December, 2020

Copy forwarded with compliments for information to:-

- 1) The Deans, of all faculties and Chairman/Chairpersons of the various Board of Studies and **Ad-hoc** Board of Studies, ,
- 2) The Director of Board of Examinations and Evaluation,
- 3) The Director of Board of Student Development.,
- 4) The Co-Ordinator, University Computerization Centre,



(Dr. B.N. Gaikwad)
I/c REGISTRAR

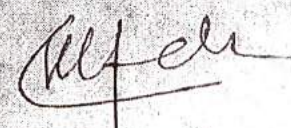
The Directors/Heads of the University Departments, the Principal of the affiliated colleges, Head of the recognized Institutions concerned, the Principals of the Sir J.J. College of Architecture and the Director/Co-ordinators of Ratnagiri Sub-Centre & Trane Sub-Centre and the Captain Superintendent, Ministry of Surface Transport, Training Ship [REDACTED] are hereby informed that the item of Arrangement of Terms in the various faculties of the University for the academic year 2020-2021 has been placed before the Board of Deans at its meeting held on 20th July, 2020 as per resolution passed by the Academic Council at its meeting held on 23rd July, 2020 vide item No.8.1, subsequently accepted by the Hon'ble Vice-Chancellor as per the power conferred upon him under Section 12(7) of the Maharashtra Public Universities Act) and that in accordance therewith, the arrangement of terms for the courses of studies in the various faculties for the academic year 2020-2021 is under :-

**General Guidelines for conducting Academic & Examination Activities**

All the Principals of the affiliated colleges in Engineering are hereby informed that the Detailed Schedule of the Terms of Undergraduates and Postgraduates (BE & ME) courses in Engineering for Academic Year 2019 - 20 will be under:-

| Sr. No. | Particular | Odd Semester Second Half 2019 | Even Semester First Half 2020 |
|---------|--|--|--|
| 1. | Working days for all courses SE, TE & BE | Term : 8 th July 2019 to 26 th October 2019 Mid-Term Break 2 nd to 6 th September 2019 | Term : 6 th Jan 2020 to 18 th April 2020 |
| 2. | Working days for all courses in First Year Engineering (FE) & ME | Term : 1 st Aug to 16 th Nov 2019 Mid-Term Break 2 nd to 6 th Sept 2019 | Term : 6 th Jan 2020 to 18 th April 2020 |
| 3. | Conducting Oral/Practical Examination for SE, TE & BE | 30 th Oct to 11 th Nov 2019 | 20 th April to 30 th April 2020 |
| 4. | Conducting Oral/Practical Examination for FE & ME | 18 th Nov 2019 to 27 th Nov 2019 | 20 th April to 30 th April 2020 |
| 5. | Commencement of Theory Examination for SE, TE & BE (SEM III, V, VII) and FE SEM I ATKT | 14 th Nov to 2 nd Dec 2019 SEM III : Evening SEM VII : Morning SEM I : Morning ATKT SEM V : Evening | 26 th May to 11 th June 2020 SEM I : Morning SEM V : Evening SEM III : Evening SEM VII : Morning |
| 6. | Commencement of Theory Examination for FE, SE, TE, BE (SEM II, IV, VI, VIII) And ME (SEM II) | 3 rd Dec to 19 th Dec 2019 SEM II : Morning SEM VI : Evening SEM IV : Evening SEM VIII : Morning | 7 th May to 25 th May 2020 SEM II : Morning SEM VI : Evening SEM IV : Evening SEM VIII : Morning |
| 7. | Commencement of Theory Examination of FE and ME sem I FE- 2019-20 BATCH (REV-2019 SYLLABUS) | 3 rd Dec 2019 to 16 th Dec 2019 SEM I Morning | -- |
| 8. | Commencement of New Term | 6 th Jan 2020 | 6 th July 2020 |

- All Faculty should be available for examination and assessment work as required.
- All colleges should conduct Class Test I & II on completion of approx. 40% and 70% of syllabus respectively.


Dr. S.K. Ukarande
Dean(IIC), Faculty of Science & Technology
University of Mumbai.

Date: 18th June 2019

V CET
Vasai Road

University of Mumbai



| | | | | |
|----------------------------|------|------|-------|----|
| Adm | Exam | A/c | Lib | H |
| Inward No. 18074 | | | | |
| Dt. of Receipt... 25/07/18 | | | | |
| Extc | Mech | Inst | Comp. | IT |

General Guideline for conducting Academic Activities

In continuation of the University Circular UG/03/2018-19 dated 08/05/2018 the Principals of the affiliated colleges in Engineering courses are hereby informed that the detailed Scheduled of the Terms of undergraduate & postgraduate (BE & ME) courses in Engineering for A. Y. 2018-19 will be as under:-

| Sr. No. | Particulars | Odd Semester (Second Half 2018) | Even Semester (First Half 2019) |
|---------|---|--|---|
| 1 | Working days for all courses in SE, TE, BE | Term: 09 th July 2018 to 27 th Oct. 2018 Mid-term break 13 th Sep. 2018 to 17 th Sep. 2018 | Term: 7 th January 2019 to 20 th April 2019 |
| 2 | Working days for all courses in First Year Engineering (FE) and ME | 1 st August 2018 to 17 th Nov. 2018 Mid-term break 13 th Sep. 2018 to 17 th Sep. 2018 | 7 th January 2019 to 20 th April 2019 |
| 3 | Conduction of Oral and Practical Examinations: For SE/TE/BE | 29 th Oct. 2018 to 12 th Nov. 2018 | 22 nd April 2019 to 2 nd May 2019 (for all Semesters Exams) |
| 4 | Conduction of Oral and Practical Examinations: For FE/ME | 19 th Nov. 2018 to 28 th Nov. 2018 | 22 nd April 2019 to 2 nd May 2019 (for all Semester Exams) |
| 5 | Commencement of Theory Examination: (Fill & All higher Sem. of Engg.) | 15 th Nov. 2018 onwards | 7 th May 2019 onwards |
| | FE (Sem-I) (Regular) and ME Sem-I | 30 th Nov. 2018 onwards | 7 th May 2019 onwards |
| 6 | Commencement of New term | 7 th January 2019 | 8 th July 2019 (Tentative Date) |

- All faculty should be available for examination and assessment work as required.
- All colleges should conduct Class Test I and II on completion of approx. 40% and 70% of syllabus respectively.

Mumbai - 400 098

05th July, 2018

(Signature)

Dr. S.K. Ukarande
Dean, Faculty of Science & Technology,
University of Mumbai

cc to H. B
to HoD's

Dr. Capt. G.
to Register

25/7/18

PRINCIPAL
VIDYAVARDHINI'S COLLEGE
OF
ENGINEERING & TECHNOLOGY
VASAI ROAD 401 202.

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Vidyavardhini's College of Engineering and Technology, Vasai

Academic Calendar Odd Semester (2022-2023) (Tentative) SE, TE, BE

(Reference : General Guidelines issued for conducting academic activities for SE, TE and BE by University of Mumbai)

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|--------------|----------|---|--------------------------------|---------------------|------------------|---|---------------------|---|
| | | 27 | 28 | 29 | 30 | 1 | 2 | 3 |
| July 2022 | | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 1 | 11 Term Start TE BE | 12 | 13 | 14 | 15 | 16 | 17 |
| | 2 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | 3 | 25 Term Start SE | 26 | 27 | 28 | 29 | 30 | 31 |
| | 4 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Aug 2022 | 5 | 8 | 9 Moharram World Tribal Day | 10 | 11 | 12 | 13 | 14 |
| | 6 | 15 Independence Day | 16 Parsi New year | 17 | 18 | 19 | 20 | 21 Malsheh Smt Tarabai Vartak's Birth Anniversary |
| | 7 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 8 | 29 | 30 | 31 Ganesh Chaturthi | 1 | 2 | 3 | 4 |
| Sept 2022 | 9 | 5 | 6 IA 1 | 7 IA 1 | 8 IA 1 | 9 Anant Chaturdashi | 10 | 11 |
| | 10 | 12 | 13 | 14 | 15 Engineers Day | 16 Vidyavardhini's Product Showcase 22 | 17 | 18 |
| | 11 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | 12 | 26 | 27 | 28 | 29 | 30 | 1 | 2 |
| Oct 2022 | 13 | 3 | 4 | 5 Dasseru | 6 | 7 Shri Bhausaheb Vartak's Death Anniversary VCET Hackethon 22 | 8 VCET Hackethon 22 | 9 |
| | 14 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 15 | 17 IA2 | 18 IA2 | 19 IA2 | 20 | 21 | 22 | 23 |
| | 16 | 24 Diwali | 25 | 26 Bbau beej | 27 | 28 Term end SE TE BE | 29 | 30 |
| | 17 | 31 Commencement of Oral/practical exams III, V and VII Sem | 1 | 2 | 3 | 4 | 5 | 6 |
| Nov 2022 | 18 | 7 | 8 Guru Nanak Jayanti | 9 | 10 | 11 | 12 | 13 |
| | 19 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | 20 | 21 Commencement of Theory exams III, V and VII Sem | 22 | 23 | 24 | 25 | 26 | 27 |
| | 21 | 28 | 29 | 30 | 1 | 2 Commencement of Theory exams IV, VI and VIII sem KT | 3 | 4 |
| Dec 2022 | 22 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | 23 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

Mid Term Break (Ganpati Vacation) 31st August to 4th September 2022.Commencement of Even Sem (SE, TE, BE) 9th January 2023

Dr. Vikas Gupta

Dean, Academics

Dr. Harish V. Vankudre
Principal



Vidyavardhini's College of Engineering and Technology, Vasai

Academic Calender_Even Sem_2022-23

Academic Calendar Even Semester (2022-2023) (Tentative) (SE, TE, BE)

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|---------------|----------|--|--|--|--|---|--|--|
| JAN 2023 | 0 | 2 Term Start (SE TE BE) | 3 | 4* Anvhan 2023 Intercollegiate Sports Festival | 5* | 6* | 7* | 8* |
| | 1 | 9* | 10* | 11* | 12* | 13* | 14 | 15 |
| | 2 | 16* | 17* | 18* | 19* | 20* | 21* | 22 |
| | 3 | 23 | 24 | 25 | 26 Republic Day | 27 | 28 | 29 |
| | 4 | 30 | 31 | 1 | 2 | 3 | 4 Alumni Meet 23 | 5 |
| FEB 2023 | 5 | 6 Defaulter List 1 | 7 Proctor report and action by respective HODs | 8 Zeal 23 | 9 Shri. Bhausaheb Vartak's Birth Anniversary Zeal 23 | 10 Zeal 23 | 11 | 12 |
| | 6 | 13 | 14 | 15 | 16 | 17 | 18 Mahashivratri | 19 Chhatrapati Shivaji Maharaj Jayanti |
| | 7 | 20 | 21 | 22 | 23 | 24 Marathi Bhasha Diwas | 25 | 26 |
| | 8 | 27 | 28 | 1 Defaulters list 2 | 2 Internal Assessment 1 (SE TE BE) | 3 Internal Assessment 1 (SE TE BE) Proctor report and action by respective HODs | 4 Internal Assessment 1 (SE TE BE) | 5 |
| MARCH 2023 | 9 | 6 | 7 Holi | 8 | 9 | 10 Internal Assessment 1 Result Display | 11 | 12 |
| | 10 | 13 | | 15 | 16 | 17 Oscillations 2023 Intercollegiate TPP competition | 18 | 19 |
| | 11 | 20 | 21 | 22 Gudhi Padwa | 23 | 24 | 25 | 26 |
| | 12 | 27 | 28 | 29 | 30 Ram Navami | 31 | 1 | 2 |
| APRIL 2023 | 13 | 3 Defaulters List 3 | 4 Mahavir Jayanti | 5 Proctor report and action by respective HODs | 6 VNPS 2023 | 7 Good Friday | 8 | 9 |
| | 14 | 10 Internal Assessment 2 (SE TE BE) | 11 Internal Assessment 2 (SE TE BE) | 12 Internal Assessment 2 (SE TE BE) | 13 | 14 Dr. Babasaheb Ambedkar Jayanti | 15 | 16 |
| | 15 | 17 | 18 | 19 Internal Assessment 2 Result Display | 20 Final Defaulters List | 21 TERM END (SE TE BE) | 22 Akshya Tritiya and Ramzan-Id (Id-Ul-Fitr) | 23 |
| | 16 | 24 Commencement of Oral/Practical Exams (SE TE BE) | 25 | 26 | 27 | 28 | 29 | 30 |
| MAY 2023 | 17 | 1 Maharashtra Divas | 2 | 3 | 4 | 5 Buddha Pournima | 6 | 7 |
| | 18 | 8 | 9 | 10 Commencement of Theory Exams (IV, VI, VIII sem) | 11 | 12 | 13 | 14 |
| | 19 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | 20 | 22 | 23 | 24 Commencement of Theory Exams (III, V, VII sem) | 25 | 26 | 27 | 28 |
| | 21 | 29 Maitaheb Smt Tarabai Vartak's Death Anniversary | 30 | 31 | | | | |

*Sports activities ^ placement training for TE students all programmes
 ** Commencement of Odd Semester AY 2023-24 from 10th July 2023.

Dr. Vikas Gupta
 Dean, Academics

Dr. Harish V. Vankudre
 Principal



Academic Calendar Odd Semester (2021-2022) (Tentative) SE

Academic Calendar Odd Sem 2021-22

Reference: MU Circular No. AAMS(UG)/34 of 2021-22 dated 6th August, 2021 and General Guidelines issued by Associate Dean, FoST, MU

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-------------|----------|--|---------------------|---------------------------|--|--|---|------------------------|
| | | | | | | | | 1 |
| Aug 2021 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 9 | 10 | 11 | 12 | 13 | 14 | 15 Independence Day |
| | | 16 Parsi New Year | 17 | 18 | 19 Muharram | 20 | 21 Smt. Maisaheb Vartak Birth Anniversary | 22 |
| | 1 | 23 TERM start SE | 24 | 25 | 26 | 27 | 28 | 29 |
| | 2 | 30 | 31 | 1 | 2 | 3 | 4 | 5 |
| Sep 2021 | 3 | 6 | 7 | 8 | 9 | 10* Ganesh Chaturthi | 11* | 12** |
| | 4 | 13* | 14* Gauri Visarjan | 15 | 16 | 17 | 18 | 19 |
| | 5 | 20 | 21 | 22 | 23 | 24 Product Showcase'21 | 25 | 26 |
| | 6 | 27 | 28 | 29 | 30 Defaulter List 1 | 1 Hackathon 21 | 2 Hackathon 21 | 3 |
| Oct 2021 | 7 | 4 | 5 | 6 | 7 Shri. Bhausaheb Vartak Death Anniversary | 8 | 9 | 10 |
| | 8 | 11 | 12 | 13 | 14 | 15 Dussehra | 16 | 17 |
| | 9 | 18 Id-e-Milad | 19 IA 1 SE | 20 IA 1 SE | 21 IA 1 SE | 22 | 23 | 24 |
| | 10 | 25 | 26 | 27 Display of IA 1 Result | 28 | 29 Defaulter List 2 | 30 | 31 |
| Nov 2021 | 11 | 1 | 2 | 3 | 4 Diwali | 5 Diwali (Bali Pratipada) | 6 Bhaubej | 7 |
| | 12 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | 13 | 15 | 16 | 17 | 18 | 19 GuruNank Jayanti | 20 | 21 |
| | 14 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 15 | 29 | 30 Defaulter List 3 | 1 | 2 | 3 | 4 | 5 |
| Dec 2021 | 16 | 6 IA 2 SE | 7 IA 2 SE | 8 IA 2 SE | 9 Final Defaulter List | 10 Term End SE | 11 | 12 |
| | 17 | 13 Commencement of Oral/Practical Examination SE | 14 | 15 | 16 | 17 | 18 | 19 |
| | 18 | 20 | 21 | 22 | 23 Commencement of Theory Examination SE (SEM III) | 24 Commencement of Theory KT Examination SE (SEM IV) | 25 Christmas | 26 |
| | 19 | 27 | 28 | 29 | 30 | 31 | 1 | 2 |
| Jan 2022 | 20 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | 21 | 10 New Term Start SE TE BE | 11 | 12 | 13 | 14 | 15 | 16 |

NAAC review meeting: Last working Friday of every month HOD meeting: Every Tuesday
 *Mid term break 10th to 14th Sept 2021 - Internship from 23rd August to 2nd September, 2021

Dr. Vikas Gupta
 Dean, Academics

Dr. Harish V. Vankudre
 Principal




Vidyavardhini's College of Engineering and Technology, Vasai


Academic Calendar Odd Semester (2021-2022) (Tentative) TE, BE

Academic Calendar_Tentative(TE,BE)Odd Sem_2021-22

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|--------------|----------|---|---------------------|---|--|------------------------------|--|---------------------------|
| July 2021 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | 1 | 12 Term start TE BE | 13 | 14 | 15 | 16 | 17 | 18 |
| | 3 | 19 | 20 | 21 Id-UI-Juha (Bakar Id) | 22 | 23 | 24 | 25 |
| | 3 | 26 | 27 | 28 | 29 | 30 Defaulter List 1 | 31 | 1 |
| Aug 2021 | 4 | 2 Feedback from Proctors and Action taken by HOD | 3 | 4 | 5 | 6 | 7 | 8 |
| | 5 | 9 | 10 | 11 | 12 | 13 | 14 | 15 Independence Day |
| | 6 | 16 Parsi New Year | 17 | 18 | 19 Muharram | 20 | 21 Smt. Mai saheb Vartak Birth Anniversary | 22 |
| | 7 | 23 TERM start SE | 24 | 25 IA 1 TE BE | 26 IA 1 TE BE | 27 IA 1 TE BE | 28 | 29 |
| | 8 | 30 | 31 Defaulter List 2 | 1 Feedback from Proctors and Action taken by HOD | 2 Display of IA 1 Result | 3 | 4 | 5 |
| Sep 2021 | 9 | 6 | 7 | 8 | 9 | 10 Ganesh Chaturthi | 11 | 12 |
| | 10 | 13 | 14 Gauri Visarjan | 15 | 16 | 17 | 18 | 19 |
| | 11 | 20 | 21 | 22 | 23 | 24 Product Showcase'21 | 25 | 26 |
| | 12 | 27 | 28 | 29 | 30 Defaulter List 3 | 1 Hackathon 21 | 2 Hackathon 21 | 3 |
| Oct 2021 | 13 | 4 Feedback from Proctors and Action taken by HOD | 5 | 6 | 7 Shri. Bhausaheb Vartak Death Anniversary | 8 | 9 | 10 |
| | 14 | 11 | 12 IA 2 TE BE | 13 IA 2 TE BE | 14 IA 2 TE BE | 15 Dussehra | 16 | 17 |
| | 15 | 18 Id-e-Milad | 19 | 20 Display of IA 2 Results | 21 Final Defaulter List | 22 TERM END TE BE | 23 | 24 |
| | 16 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| Nov 2021 | 17 | 1 | 2 | 3 | 4 Diwali | 5 Diwali (Bali Pratipada) | 6 Bhaubeej | 7 |
| | 18 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | 19 | 15 | 16 | 17 | 18 | 19 GuruNank Jayanti | 20 | 21 |
| | 20 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 21 | 29 | 30 | 1 | 2 | 3 Term End SE | | |

NAAC review meeting : Last working Friday of every month HOD meeting : Every Tuesday STTP on IPR 30th Aug. to 3rd Sep.2021


Dr. Vikas Gupta
Dean, Academics


Dr. Harish V. Vankudre
Principal



Vidyavardhini's College of Engineering and Technology, Vasai

Academic Calendar- Even Semester- (2021-2022) (Tentative) (SE, TE, BE)

(Reference : General Guidelines issued for conducting academic activities for SE, TE and BE by University of Mumbai)

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|---------------|----------|---|---|--|-----------------------------------|--|--|----------------------------|
| JAN 2022 | 0 | 3 Term Start (TE BE) | 4 | 5 | 6 | 7 | 8 | 9 |
| | 1 | 10 Term Start (SE) | 11 | 12 | 13 | 14 | 15 | 16 |
| | 2 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | 3 | 24 | 25 | 26 Republic Day | 27 | 28 | 29 | 30 |
| FEB 2022 | 4 | 31 | 1 | 2 | 3 | 4 | 5 | 6 |
| | 5 | 7 Defaulter List I | 8 | 9 Shri. Bhausaheb Vartak Birth Anniversary | 10 | 11 | 12 | 13 |
| | 6 | 14 | 15 | 16 | 17 | 18 | 19 Chhatrapati Shivaji Maharaj Jayanti | 20 |
| | 7 | 21 Internal Assessment 1 (SE TE BE) | 22 Internal Assessment 1 (SE TE BE) | 23 Internal Assessment 1 (SE TE BE) | 24 | 25 Annual sports Aavhan 22 | 26 Annual sports Aavhan 22 | 27 Annual Sports Aavhan 22 |
| | 8 | 28 Marathi Bhasha Diwas | 1 Mahashivratri | 2 Defaulter List II | 3 | 4 Internal Assessment 1 Result Display | 5 | 6 |
| MARCH 2022 | 9 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | 10 | 14 | 15 | 16 | 17 | 18 Holi | 19 | 20 |
| | 11 | 21 | 22 | 23 | 24 | 25 Zeal 2022 | 26 Zeal 2022 | 27 Zeal 2022 |
| | 12 | 28 | 29 | 30 | 31 | VNPS 22 | 2 Gudhi Padwa | 3 |
| APRIL 2022 | 13 | 4 Defaulter List III | 5 | 6 I | 7 I | 8 | 9 | 10 Ram Navami |
| | 14 | 11 Internal Assessment 2 (SE TE BE) | 12 Internal Assessment 2 (SE TE BE) | 13 Internal Assessment 2 (SE TE BE) | 14 Dr. Babasaheb Ambedkar Jayanti | 15 Good Friday | 16 | 17 |
| | 15 | 18 | 19 Internal Assessment 2 Result Display | 20 | 21 Final Defaulter list | 22 TERM END (TE BE) | 23 | 24 |
| | 16 | 25 Commencement of oral/practical exams (TE BE) | 26 | 27 | 28 | 29 TERM END (SE) | 30 | 1 Maharashtra Diwas |
| MAY 2022 | 17 | 2 Commencement of oral/practical exams (SE) | 3 Ramzan Id (Id-ul-Fitr) | 4 | 5 | 6 | 7 | 8 |
| | 18 | 9 Commencement of theory exams (TE BE) | 10 | 11 | 12 | 13 | 14 | 15 |
| | 19 | 16 Buddha Pournima | 17 Commencement of theory exams (SE) | 18 | 19 | 20 | 21 | 22 |

Next Term Start Date : 4th July, 2022

Dr. Vikas Gupta
Dean, Academics

Dr. Harish V. Vankudre
Principal





Vidyavardhini's College of Engineering and Technology, Vasai

Academic Calendar Odd Semester (2020-2021) (Tentative)

(Subjected to Covid 19 situation and Mumbai University/Maharashtra Govt/local authorities guidelines for the ongoing Covid 19 Pandemic)

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-------|----------|-------------------------|-------------------------------------|--|--------------------------|--|---------------------|-----------------|
| | | | | | | | 1 | 2 |
| | | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Aug | 1 | 10 Term Start | 11 | 12 | 13 | 14 | 15 Independence day | 16 |
| 2020 | 2 | 17 | 18 | 19 | 20 | 21 Smt. Mai saheb Vartak Birth Anniversary | 22 | 23 |
| | 3 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| | 4 | 31 | 1 | 2 | 3 | 4 | 5 | 6 |
| Sept | 5 | 7 | 8 | 9 | 10 Ganesh Chaturthi | 11 | 12 | 13 |
| 2020 | 6 | 14 Gauri Visarjan | 15 | 16 | 17 | 18 | 19 | 20 |
| | 7 | 21 | 22 | 23 Internal Assessment 1 | 24 Internal Assessment 1 | 25 Internal Assessment 1 | 26 | 27 |
| | 8 | 28 | 29 | 30 | 1 | 2 Gandhi Jayanti | 3 | 4 |
| | 9 | 5 | 6 | 7 Shri. Bhausaheb Vartak Death Anniversary | 8 | 9 | 10 | 11 |
| Oct | 10 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 2020 | 11 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | 12 | 26 | 27 | 28 | 29 | 30 | 31 | 1 |
| | 13 | 2 | 3 | 4 | 5 | 6 Internal Assessment 2 | 7 | 8 |
| | 14 | 9 Internal Assessment 2 | 10 Internal Assessment 2 | 11 | 12 Term end | 13 | 14 Laxmi puja | 15 Diwali Padwa |
| Nov | 15 | 16 Bhaubij | 17 commencement of Oral/pract exams | 18 | 19 | 20 | 21 | 22 |
| 2020 | 16 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| | 17 | 30 | 1 | 2 | 3 | 4 | 5 | 6 |
| | 18 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Dec | 19 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 2020 | 20 | 21 | 22 | 23 | 24 | 25 Christmas | 26 | 27 |
| | 21 | 28 | 29 | 30 | 31 | 1 | 2 | 3 |
| | 22 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Jan | 23 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 2021 | | | | | | | | |


Dr. Vikas Gupta
Dean, Academics


Dr. Harish V. Vankudre
Principal



Vidyavardhini's College of Engineering & Technology, Vasai

First Year Engineering

Academic Calendar Odd Semester (2020-21)(Tentative)

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|---------------|----------|--|--|---------------------------------|---|--|---|--------------------|
| Jan 2021 | 1 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 2 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | 3 | 18 | 19 | 20 | 21 Term Start for FE (1st Sem.) | 22 | 23 | 24 |
| | 4 | 25 | 26 Republic Day | 27 | 28 | 29 | 30 | 31 |
| Feb 2021 | 5 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | 6 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | 7 | 15 | 16 | 17 | 18 | 19 Chatrapati Shivaji Maharaj Jayanti | 20 | 21 |
| | 8 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| March 2021 | 9 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | 10 | 8 | 9 | 10 | 11 Maha Shivratri | 12 Internal Assessment 1/ Students online feedback 1 | 13 | 14 |
| | 11 | 15 Internal Assessment 1/ Students online feedback 1 | 16 Internal Assessment 1/ Students online feedback 1 | 17 | 18 | 19 HACKATHON 2021 | 20 HACKATHON 2021 | 21 |
| | 12 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 13 | 29 Holi | 30 | 31 | | | | |
| April 2021 | 14 | | | | 1 | 2 Good Friday (ESUMMIT) | 3 Internal Assessment 2/ Students online feedback 2 (ESUMMIT) | 4 |
| | 15 | 5 Internal Assessment 2/ Students online feedback 2 | 6 Internal Assessment 2/ Students online feedback 2 | 7 | 8 | 9 | 10 | 11 |
| | 16 | 12 Term End | 13 GUDI PADWA | 14 Ambedkar Jayanti | 15 Commencement of oral/practical exams | 16 | 17 | 18 |
| | 17 | 19 | 20 | 21 Ram Navami | 22 Commencement of Theory exams | 23 VNPS | 24 | 25 Mahavir Jayanti |
| May 2021 | 18 | 26 | 27 | 28 | 29 | 30 | | |
| | 19 | | | | | | 1 Maharashtra Divas | 2 |
| | 20 | 3 | 4 | 5 Term Start for FE (IInd Sem.) | 6 ZEAL 2021 | 7 ZEAL 2021 | 8 ZEAL 2021 | 9 |
| | 21 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

Dr. Sunayana Jadhav
FE Coordinator

Dr. Vikas Gupta
Dean, Academics

Dr. Harish V. Vankudre
Principal



Vidyavardhini's College of Engineering & Technology, Vasai

Academic Calendar Even Semester (2020-21) (Tentative)

Academic Calendar_Even Sem_2020-21

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|------------|----------|---|--|-------------------------|-------------------------------------|---------------------------------------|--------------------------------------|-----|
| Jan 2021 | | | | | | 1 | 2 | 3 |
| | 4 | | 5 | 6 | 7 | 8 | 9 | 10 |
| | 11 | | 12 | 13 | 14 | 15 | 16 | 17 |
| | 18 | | 19 | 20 | 21 | 22 | 23 | 24 |
| | 1 | 25 Term Start for all SE(regular), TE, BE | 26 Republic Day | 27 | 28 | 29 | 30 | 31 |
| Feb 2021 | 2 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | 3 | 8 | 9 Shri. Bhausaheb Vartak Birth Anniversary | 10 | 11 | 12 | 13 | 14 |
| | 4 | 15 | 16 | 17 | 18 | 19 Chhatrapati Shriji Maharaj Jayanti | 20 | 21 |
| | 5 | 22 | 23 | 24 | 25 | 26 Marathi Bhasha Divas | 27 | 28 |
| | 6 | 1 | 2 | 3 | 4 | 5 IPR Seminar | 6 | 7 |
| March 2021 | 7 | 8 | 9 | 10 | 11 Maha Shivratri | 12 IA 1 (SE, TE & BE) | 13 DCDC 21 | 14 |
| | 8 | 15 IA 1 (SE, TE & BE) | 16 13 IA 1 (SE, TE & BE) | 17 | 18 | 19 Hackathon'21 | 20 Hackathon'21 | 21 |
| | 9 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 10 | 29 Holi | 30 | 31 | 1 | 2 Good Friday E Summit'21 | 3 FE IA2 E Summit'21 | 4 |
| | 11 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| April 2021 | 12 | 12 | 13 Gudipadwa | 14 Dr. Ambedkar Jayanti | 15 | 16 | 17 | 18 |
| | 13 | 19 | 20 | 21 Ram Navami | 22 | 23 VNPS'21/ Blzmaster'21 | 24 | 25 |
| | 14 | 26 | 27 | 28 IA 2 (SE, TE & BE) | 29 IA 2 (SE, TE & BE) | 30 IA 2 (SE, TE & BE) | 1 Maharashtra Divas | 2 |
| | 15 | 3 | 4 | 5 | 6 ZEAL'21 | 7 ZEAL'21 | 8 ZEAL'21 | 9 |
| | 16 | 10 | 11 | 12 | 13 Eid al-Fitr | 14 | 15 | 16 |
| May 2021 | 17 | 17 | 18 Term End for all semesters SE (regular), TE, BE | 19 Buddha Purnima | 20 commencement of Oral/Pract exams | 21 | 22 | 23 |
| | 18 | 24 | 25 | 26 | 27 | 28 | 29 Maisaheb Vartak Death Anniversary | 30 |
| | 19 | 31 | 1 st June Theory exam for SE (regular), TE and BE | | | | | |
| | | | | | | | | |

*Theory exam for SE (regular), TE and BE 1st June to 14th June 2021

*Commencement of New Academic Year: 12th July 2021

Dr. Vikas Gupta
Dean, Academics

Dr. Harish V. Vankudre
Principal

Vidyavardhini's College of Engineering and Technology, Vasai

Academic Calendar Odd Semester (2019-2020) wef 12/07/2019



| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|--------------|----------|--|---|--|--|---|---------------------------------------|-------------------|
| July 2019 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | 1 | 8 Term Start (SE, TE, BE) | 9 | 10 | 11 | 12 | 13 | 14 |
| | 2 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | 3 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Aug 2019 | 4 | 29 | 30 | 31 | 1 Term Start FE FE orientation | 2 Defaulter List I (SE, TE, BE) | 3 | 4 |
| | 5 | 5 | 6 | 7 | 8 | 9 World Tribal Day | 10 | 11 |
| | 6 | 12 Id-Ul-Juha (Bakar Id) | 13 Internal Assessment 1 (SE, TE, BE) | 14 Internal Assessment 1 (SE, TE, BE) | 15 Independence Day | 16 Internal Assessment 1 (SE, TE, BE) | 17 Parsi New Year | 18 |
| | 7 | 19 | 20 IA 1 result display SE, TE, BE | 21 Smt. Maisaheb Vartak Birth Anniversary | 22 | 23 | 24 Parents meet | 25 |
| Sep 2019 | 8 | 26 | 27 | 28 | 29 | 30 Defaulter List II (SE, TE, BE) Defaulters List I FE | 31 | 1 |
| | 9 | 2 * Ganesh Chaturthi | 3 * | 4 * | 5 * | 6 * | 7 Gauri Visarjan | 8 |
| | 10 | 9 | 10 Muharram | 11 | 12 Anant Chaturdashi | 13 | 14 | 15 Engineer's Day |
| | 11 | 16 Internal Assessment 1 FE | 17 Internal Assessment 1 FE | 18 Internal Assessment 1 FE | 19 | 20 Product Showcase '19 | 21 | 22 |
| Oct 2019 | 12 | 23 | 24 | 25 | 26 | 27 Hackathon 19 | 28 Hackathon 19 | 29 |
| | 13 | 30 | 1 Defaulter List III (SE, TE, BE) | 2 Gandhi Jayanti | 3 | 4 Defaulters List II FE | 5 | 6 |
| | 14 | 7 Shri. Bhausaheb Vartak Death Anniversary | 8 Dussehra | 9 | 10 Internal Assessment 2 (SE, TE, BE) | 11 Internal Assessment 2 (SE, TE, BE) | 12 Internal Assessment 2 (SE, TE, BE) | 13 |
| | 15 | 14 | 15 IA 2 Result Display SE, TE, BE | 16 | 17 | 18 Defaulter List IV (SE, TE, BE) | 19 | 20 |
| Nov 2019 | 16 | 21 | 22 | 23 | 24 Final Defaulter List II (SE, TE, BE) | 25 Term End (SE, TE, BE) | 26 | 27 Diwali |
| | 17 | 28 Diwali (Bali Pratipada) | 29 Bhaabeej | 30 Commencement of oral/practical exams (SE, TE, BE) | 31 | 1 Internal Assessment 2 FE Defaulters List III FE | 2 Internal Assessment 2 FE, | 3 |
| | 18 | 4 Internal Assessment 2 FE | 5 | 6 | 7 | 8 | 9 | 10 Id-e-Milad |
| | 19 | 11 | 12 GuruNank Jayanti | 13 Final Defaulter List (FE) | 14 Commencement of Theory Examinations Sem III, V, VII | 15 Term End (FE) | 16 | 17 |
| Dec 2019 | 20 | 18 Commencement of oral/practical exams (FE) | 19 | 20 | 21 | 22 | 23 | 24 |
| | 21 | 25 | 26 | 27 | 28 | 29 | 30 | 1 |
| | 22 | 2 | 3 Commencement of Theory Examinations sem I, II, IV, VI, VIII | | | | | |

Note: *September 2nd, 2019 – September 7th, 2019 Mid-term break.

Dr. Vikas Gupta
Dean, Academics

Dr. Harish V. Vankudre
Principal



Vidyavardhini's College of Engineering & Technology, Vasai

Academic Calendar Even Semester (2019-20) (Tentative)

Academic Calendar_Even Sem_2019-20

| 0 | | | 1 | 2* Term Start For all Semesters | 3* | 4* | 5* |
|----|--|--|---|--|-----------------------------------|--|---|
| 1 | 6* | 7* | 8* | 9* | 10* | 11** Degree Distribution Ceremony* 2019 Pass-out batch | 12* |
| 2 | 13* | 14 | 15 | 16 | 17 | 18 | 19 |
| 3 | 20 | 21 | 22 | 23 | 24 | 25 | 26 Republic Day |
| 4 | 27 | 28 | 29 | 30 | 31 | 1 | 2 |
| 5 | 3 Defaulter List I | 4 | 5 Proctor report and action by respective HODs | 6 | 7 | 8 | 9 Shri. Bhausaheb Vartak (Gadh. Anon. 2019) |
| 6 | 10 | 11 | 12 | 13 | 14 Zeal'20 | 15 Zeal'20 | 16 Zeal'20 |
| 7 | 17 | 18 Internal Assessment 1/ Students online feedback 1 | 19 Chatrapati Shivaji Maharaj Jayanti | 20 Internal Assessment 1/ Students online feedback 1 | 21 Maha Shivratri | 22 Internal Assessment 1/ Students online feedback 1 | 23 |
| 8 | 24 | 25 | 26 | 27 Result Display IA1 | 28 Marthi Bhasha Diwas | 29 | 1 |
| 9 | 2 Defaulter List II | 3 Proctor report and action by respective HODs | 4 | 5 E Summit | 6 E Summit | 7 | 8 |
| 10 | 9 | 10 Holl | 11 | 12 | 13 | 14 | 15 |
| 11 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 12 | 23 | 24 | 25 Gudipadwa | 26 | 27 | 28 | 29 |
| 13 | 30 | 31 Defaulter List III | 1 feedback Proctor report and action by respective HODs | 2 Ram Navami | 3 VNPS'20 And BIZ Master 2020 | 4 VNC'20 Vidyavardhini's National Conference' 2020 | 5 |
| 14 | 6 Mahavir Jayanti | 7 | 8 Internal Assessment 2/ Students online feedback 2 | 9 Internal Assessment 2/ Students online | 10 Good Friday | 11 Internal Assessment 2/ Students online feedback 2 | 12 |
| 15 | 13 | 14 Dr. Ambedkar Jayanti | 15 | 16 Result Display IA2 Final Defaulter list | 17 Term End for all Semesters and | 18 | 19 |
| 16 | 20 Commencement of oral/practical exams(All semesters) | 21 | 22 | 23 | 24 | 25 | 26 |
| 17 | 27 | 28 | 29 | 30 | 1 Maharashtra Divas | 2 | 3 |
| 18 | 4 | 5 | 6 | 7 Buddha Purnima ** | 8 | 9 | 10 |
| 19 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 20 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 21 | 25 Ramzan Eid | 26 Commencement of theory exam Odd semesters(KT) | 27 | 28 | 29 | 30 | 31 |

Note: *Avahan'20 college sports Festival January 2, 2020 – January 13, 2020.

**Commencement of theory exam for EVEN sem regular as per UoM Term calendar.(7th May)

Tentative date of Commencement of odd semester 2020 -21 : 6th July 2020.

Dr. Vikas Gupta
Dean, Academics

Dr. Harish V. Vankudre
Principal



Vidyavardhini's College of Engineering and Technology, Vasai

Academic Calendar Odd Semester (2018-19) [Tentative]

Academic Calendar_Odd Sem_2018-19

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|-----------|----------|---|---|--|--|---|--|--|
| July 2018 | | | | | | | | 1 |
| | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 1 | 9 Term Start for (SE,TE,BE) | 10 | 11 | 12 | 13 | 14 Shri Anna Saheb Vartak Death anniversary | 15 |
| | 2 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| | 3 | 23 | 24 | 25 | 26 | 27 | 28 Working Day | 29 |
| Aug 2018 | 4 | 30 | 31 | 1 Term Start FE Orientation program | 2 | 3 Defaulter List I SE TE BE | 4 Working Day FE Parents Meet | 5 |
| | 5 | 6 | 7 Proctor report and action by respective HODs | 8 | 9 World Scheduled Tribe Day | 10 | 11 | 12 |
| | 6 | 13 | 14 | 15 Independence Day | 16 | 17 Parsi New Year | 18 | 19 |
| | 7 | 20 | 21 Shrimati Tara Bai Vartak Birth Anniversary | 22 Bakri Id (Id-Ul-Zuha) | 23 IA Test I SE TE BE Students online feedback 1 | 24 IA Test I SE TE BE Students online feedback 1 | 25 IA Test I SE TE BE Students online feedback 1 | 26 |
| Sep 2018 | 8 | 27 | 28 | 29 | 30 Internal Assessment -1 --- Result Display | 31 Defaulter List I FE : II SE TE BE | 1 | 2 |
| | 9 | 3 | 4 Proctor report and action by respective HODs | | 6 | 7 | 8 | 9 |
| | 10 | 10 | 11 | 12 | 13 Ganesh Chaturthi | 14 * | 15 *Engineers Day | 16 * |
| | 11 | 17 *Gauri Visarjan | 18 | 19 | 20 Moharam | 21 | 22 | 23 |
| | 12 | 24 IA Test I FE and Students online feedback 1 | 25 IA Test I FE and Students online feedback 1 | 26 IA Test I FE and Students online feedback 1 | 27 | 28 Product Show Case '18 | 29 | 30 |
| Oct 2018 | 13 | 1 Defaulter List II FE SE TE BE | 2 Gandhi Jayanti | 3 | 4 Proctor report and action by respective HODs | 5 VCET Hackathon '18 | 6 VCET Hackathon '18 | 7 Shri Bhau Saheb Vartak Death Anniversary |
| | 14 | 8 | 9 | 10 Shri Anna Saheb Vartak Birth Anniversary | 11 | 12 | 13 | 14 |
| | 15 | 15 | 16 | 17 | 18 Dasara | 19 IA Test II SE TE BE Students online feedback 2 | 20 | 21 |
| | 16 | 22 IA Test II SE TE BE Students online feedback 2 | 23 IA Test II SE TE BE Students online feedback 2 | 24 Course Exit Survey SE TE BE | 25 Final defaulter List SE TE BE | 26 Term End SE TE BE | 27 | 28 |
| | 17 | 29 Commencement of viva/pract exams SE TE BE | 30 | 31 IA Test II FE Students online feedback | 1 IA Test II FE Students online feedback | 2 IA Test II FE Students online feedback | 3 | 4 |
| | Nov 2018 | 18 | 5 | 6 Narak Chaturdashi | 7 Diwali (Laxmi Puja) | 8 Diwali (Ballpratipada) | 9 Bhaubeej | 10 |
| 19 | | 12 | 13 | 14 | 15 Final defaulter List FE Course Exit Survey FE | 16 Term End FE | 17 | 18 |
| 20 | | 19 | 20 | 21 Id-E-Milad | 22 | 23 Guru Nanak Jayanti | 24 | 25 |
| 21 | | 26 | 27 | 28 | 29 | 30 | | |

*Mid Term break from 13th to 17th September 2018

Dr. Vikas Gupta
Dean, Academics

Dr Harish V Vankudre
Principal



vardhini's College of Engineering and Technology, Vasai

Academic Calendar Even Semester 2018-19 (Tentative)

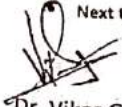
Academic Calender_Even Sem_2018-19


| Month | Week no | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|---------------|---------|---|--|---|---|--|--|--|
| Jan 2019 | | | 1 | 2 | 3* | 4* | 5* | 6* |
| | 1 | 7* Term Start for all Semesters | 8* | 9* | 10* | 11* | 12* | 13* |
| | 2 | 14* | 15* | 16* | 17 | 18 | 19 | 20 |
| | 3 | 21 | 22 | 23 | 24 | 25 | 26 Republic Day | 27 |
| | 4 | 28 | 29 | 30 | 31 | I Defaulter List I | 2 | 3 |
| Feb 2019 | 5 | 4 Proctor report and action by respective HODs | 5 | 6 | 7 | 8 | 9 Shri. Bhausaheb Vartak Birth Anniversary | 10 |
| | 6 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | 7 | 18 | 19 Chhatrapati Shivaji Maharaj Jayanti | 20 | 21 | 22 | 23 | 24 |
| | 8 | 25 Term Test -I /Students online feedback 1 | 26 Term Test -I /Students online feedback i | 27 Term Test -I /Students online feedback I | 28 | 1 Marathi Rajbhasha Din Defaulter List II | 2 | 3 |
| March 2019 | 9 | 4 Maha Shivratri | 5 Proctor report and action by respective HODs | 6 Term Test -I --- Result Display | 7 | 8 Zeal 2019 | 9 Zeal 2019 | 10 Zeal 2019 |
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | 11 | 18 | 19 | 20 | 21 Holi (Dhulivandar) | 22 | 23 | 24 |
| | 12 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| | 13 | 1 Defaulter List III | 2 Proctor report and action by respective HODs | 3 | 4 | 5 VNPS'19 | 6 Gudipadwa | 7 |
| April 2019 | 14 | 8 | 9 | 10 | 11 Final defaulter list. | 12 Term Test-II /Students online feedback 2 | 13 | 14 Dr. Ambedkar Jayanti / Ram Navami |
| | 15 | 15 Term Test-II /Students online feedback 2 Proctor report and action by respective HODs | 16 Term Test-II /Students online feedback 2 | 17 Mahaveer Jayanti | 18 Term End for all Sem. COURSE EXIT SURVEY | 19 Good Friday | 20 | 21 Commencement of Oral/Practical Exam |
| | 16 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 17 | 29 | 30 | 1 Maharashtra Day | 2 | 3 | 4 | 5 |
| May 2019 | 6 | 7 Commencement of All Theory Examinations | 8 | 9 | 10 | 11 | 12 | |
| | 13 | 14 | 15 | 16 | 17 | 18 Buddh Poornima | 19 | |
| | 20 | 21 | 22 | 23 | 24 | 25 | 26 | |
| | 27 | 28 | 29 Smt. Maisaheb Vartak Death Anniversary | 30 | 31 | | | |
| | | | | | | | | |

*Avahan'19 Intra college sports event January 3, 2019 – January 16, 2019.

• Department meetings : Every Tuesday

Next term will start tentatively on 8th July 2019.


Dr. Vikas Gupta
Dean, Academics


Dr. Harish Vankudre
Principal



Vidya Vardhini's College of Engineering and Technology, Vasai

Academic Calendar Odd Semester (2022-2023) (Tentative) SE, TE, BE

Academic Calendar

(Reference : General Guidelines issued for conducting academic activities for SE, TE and BE by University of Mumbai)


| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|--------------|----------|--|-----------------------------|---------------------|--|---|-----|--|
| | | 27 | 28 | 29 | 30 | 1 | 2 | 3 |
| | | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| July 2022 | 1 | 11 Term Start TE BE | 12 | 13 | 14 | 15 | 16 | 17 |
| | 2 | 18 | 19 | 20 | 21 Malsahab Smt Tarabai Vartak's Birth Anniversary | 22 | 23 | 24 |
| | 3 | 25 Term Start SE | 26 | 27 | 28 | 29 | 30 | 31 |
| | 4 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Aug 2022 | 5 | 8 | 9 Moharram World Tribal Day | 10 | 11 | 12 | 13 | 14 |
| | 6 | 15 Independence Day | 16 Parsi New year | 17 | 18 | 19 | 20 | 21 Malsahab Smt Tarabai Vartak's Birth Anniversary |
| | 7 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 8 | 29 | 30 | 31 Ganesh Chaturthi | 1 | 2 | 3 | 4 |
| Sept 2022 | 9 | 5 | 6 | 7 | 8 | 9 Anant Chaturdashi | 10 | 11 |
| | 10 | 12 IA 1 | 13 IA 1 | 14 IA 1 | 15 Engineers Day | 16 Vidya Vardhini's Product Showcase 22 | 17 | 18 |
| | 11 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | 12 | 26 | 27 | 28 | 29 | 30 | 1 | 2 |
| Oct 2022 | 13 | 3 | 4 | 5 Dassera | 6 | 7 Shri Bhausaheb Vartak's Death Anniversary | 8 | 9 |
| | 14 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 15 | 17 IA2 | 18 IA2 | 19 IA2 | 20 | 21 | 22 | 23 |
| | 16 | 24 Diwali | 25 | 26 Bhau beej | 27 | 28 Term end SE TE BE | 29 | 30 |
| | 17 | 31 Commencement of Oral/practical exams III, V and VII Sem | 1 | 2 | 3 | 4 | 5 | 6 |
| | 18 | 7 | 8 Guru Nanak Jayanti | 9 | 10 | 11 | 12 | 13 |
| | 19 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Nov 2022 | 20 | 21 Commencement of Theory exams III, V and VII Sem | 22 | 23 | 24 | 25 | 26 | 27 |
| | 21 | 28 | 29 | 30 | 1 | 2 Commencement of Theory exams IV, VI and VIII sem KT | 3 | 4 |
| | 22 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Dec 2022 | 23 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

Mid Term Break (Ganpati Vacation) 31st August to 4th September 2022.

Commencement of Even Sem (SE, TE, BE) 9th January 2023


Dr. Vikas Gupta
 Dean, Academics




Dr. Harish V. Vankudre
 Principal

[Click here for summary page](#)

Vidyavardhini's College of Engineering & Technology

Department of Mechanical Engineering

Adherence to Academic Calendar

Odd Sem 2022-23

| Sr. No. | Details of the Event | Planned Date | Execution Date | Remarks |
|---------|--|--------------------------|---|--|
| 1. | Design of EOT crane and career opportunity in this sector of crane design | 22/07/2022 | 22/07/2022 | Mr. Rizwan Shaikh, Project Engineer S-Crane, Mumbai. |
| 2 | Expert lecture on Supply chain practices in Banking sector | 17/08/2022 | 17/08/2022 | Mr. Alok Singh, Consultant Supply chain and Logistics |
| 3 | Industrial Visit to Siyarams Silk Mills. To understand the Supply chain activities in a process industry | 30/09/2022 | 30/09/2022 | Mr. Jitendra Vyas, Assistant Manager Operations, Siyarams Textiles Silvassa |
| 4 | Challenges and advantages in Industrial Career. To prepare students to take up problems and make them industry ready (Alumni Interaction Week) | 14/09/2022 to 21/09/2022 | 14/09/2022 to 22/09/2022 And 09/12/2022 | Mr. Prasad Gharat, HR Godrej Corporate Mr. Mithilesh Patil, Sr. Officer LPG Bottling Plant Mr. Venkatraman Prabhu, Head IT Planning, Jio Platform Ltd Mr. Pinakeen Shah, Enterprenr Mr. Sharad Malla, Chairman and CEO Abstract Clouds Mr. Parin Dave, Machinery Engineer Technimont Pvt Ltd Mr. Rahul Chemburkar, General Manager Mahindra & Mahindra Dr. Rohit Nehe, Creestaa Elevators India Pvt Ltd. Mr. Sagar Bane, Maintenance Head, Toshiba Johnson Elevators India Pvt Ltd |
| 5 | Expert lecture on Application of SAP in LSCM | 02/10/2022 | 02/10/2022 | Mr. Sanket Joshi, Sales Engg, Snowbell Machine Pvt Ltd |
| 6 | Design and development of Gear pump | 08/10/2022 | 08/10/2022 | Mr. Ramakant Tekade, Director, Alfa Pumps Bhiwandi Br. |
| 7 | Understand the Biogas Production by using Municipal Waste (Renewable Energy Sources) | 21/10/2022 | 21/10/2022 | Industrial Visit at Avni Enterprises, Dombivli (East). Mr. Ajit Kude, Owner Avni Enterprises |
| 8 | Understand maintenance strategy and methodology used in public transport bus maintenance workshop | 10/11/2022 | 10/11/2022 | Visit at MSRTC Bus Depot, Vasai West under the guidance of Mr. Rajendra Jagtap and Team of MSRTC Bus Depot, Vasai West |

| | | | | |
|----|--------------------------------|--------------------------------|--------------------------------|--|
| 9 | Energy Conservation Week 2022. | 14/12/2022 to 21/12/2022 | 14/12/2022 to 21/12/2022 | Ms. Rashmi Joshi, Mr Ratnesh Shingrupe, Founder and CEO Quasar Innovative solution |
| 10 | Visit to Vasai Industrial Expo | -- | 10/12/2022 | Under the guidance of Mr. Raahul Krishna, Asst Prof. VCET Vasai. |

S.R. Mane

AJ
HEAD

Dept. of Mechanical Engg.
Vidyavardhini's College of
Engineering & Technology
Vasai Road 401 202



Vidyavardhini's College of Engineering and Technology, Vasai

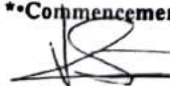
Academic Calendar Even Semester (2022-2023) (Tentative) (SE, TE, BE)

(Ref: Guidelines issued by Associate Dean, FoT, University of Mumbai)

| Month | Week No. | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|---------------|--|--|--|--|--|---|--|--|
| JAN 2023 | | | | | | | | 1 |
| | 0 | 2 Term Start (SE TE BE) | 3 | 4* Aavhan 2023 Intercollegiate Sports Festival | 5* | 6* | 7* | 8* |
| | 1 | 9* | 10* | 11* | 12* | 13* | 14 | 15 |
| | 2 | 16^ | 17^ | 18^ | 19^ | 20^ | 21^ | 22 |
| | 3 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| FEB 2023 | 4 | 30 | 31 | 1 | 2 | 3 | 4 Alumni Meet 23 | 5 |
| | 5 | 6 Defaulter List 1 | 7 Proctor report and action by respective HODs | 8 Zeal 23 | 9 Shri. Bhausaheb Vartak's Birth Anniversary Zeal 23 | 10 Zeal 23 | 11 | 12 |
| | 6 | 13 | 14 | 15 | 16 | 17 | 18 Mahashivratri | 19 Chhatrapati Shivaji Maharaj Jayanti |
| | 7 | 20 | 21 | 22 | 23 | 24 Marathi Bhasha Diwas | 25 | 26 |
| MARCH 2023 | 8 | 27 | 28 | 1 Defaulters list 2 | 2 Internal Assessment 1 (SE TE BE) | 3 Internal Assessment 1 (SE TE BE) Proctor report and action by respective HODs | 4 Internal Assessment 1 (SE TE BE) | 5 |
| | 9 | 6 | 7 Holi | 8 | 9 | 10 Internal Assessment 1 Result Display | 11 | 12 |
| | 10 | 13 | | 15 | 16 | 17 Oscillations 2023 Intercollegiate TPP competition | 18 | 19 |
| | 11 | 20 | 21 | 22 Gudhi Padwa | 23 | 24 | 25 | 26 |
| APRIL 2023 | 12 | 27 | 28 | 29 | 30 Ram Navami | 31 | 1 | 2 |
| | 13 | 3 Defaulters List 3 | 4 Mahavir Jayanti | 5 Proctor report and action by respective HODs | 6 VNPS 2023 | 7 Good Friday | 8 | 9 |
| | 14 | 10 Internal Assessment 2 (SE TE BE) | 11 Internal Assessment 2 (SE TE BE) | 12 Internal Assessment 2 (SE TE BE) | 13 | 14 Dr. Babasaheb Ambedkar Jayanti | 15 | 16 |
| | 15 | 17 | 18 | 19 Internal Assessment 2 Result Display | 20 Final Defaulters List | 21 TERM END (SE TE BE) | 22 Akshya Tritiya and Ramzan-Id (Id-UI-Fltr) | 23 |
| MAY 2023 | 16 | 24 Commencement of Oral/Practical Exams (SE TE BE) | 25 | 26 | 27 | 28 | 29 | 30 |
| | 17 | 1 Maharashtra Divas | 2 | 3 | 4 | 5 Buddha Pournima | 6 | 7 |
| | 18 | 8 | 9 | 10 Commencement of Theory Exams (IV, VI, VIII sem) | 11 | 12 | 13 | 14 |
| | 19 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | 20 | 22 | 23 | 24 Commencement of Theory Exams (III, V, VII sem) | 25 | 26 | 27 | 28 |
| 21 | 29 Masisheb Smt Tarabai Vartak's Death Anniversary | 30 | 31 | | | | | |

*Sports activities ^ placement training for TE students all programmes

**Commencement of Odd Semester AY 2023-24 from 10th July 2023.


Dr. Vikas Gupta
Dean, Academics




Dr. Harish Ankudre
Principal

Vidyavardhini's College of Engineering & Technology
Department of Mechanical Engineering
Adherence to Academic Calendar
Even Sem 2021-22

| Sr. No. | Details of the Event | Planned Date | Execution Date | Remarks |
|---------|---|--------------|--------------------------------|---|
| 1. | SolidWorks Workshop | 28/01/2022 | -- | Postponed to next semester |
| 2 | Industrial Visit for the subject of DMS | 21/02/2022 | 21/02/2022 | Industrial Visit to M/s Ekta Cranes Pvt. Ltd. Vasai West |
| 3 | Expert Lecture on CAD/CAM | 14/03/2022 | -- | -- |
| 4 | Skill development using Hands-On session | 31/03/2022 | 31/03/2022 to 08/04/2022 | 18 Hours Hands-On session on Machine Learning and Algorithm using Python Programming by Mr. Kamlesh Bachkar, MECH Dept. |
| 5 | Industrial Visit for the subject of Turbo Machinery | 07/04/2022 | 07/04/2022 | Industrial Visit to Boiler manufacturing process and its working for the students of TE Mechanical. |
| 6 | Industrial Visit for the subject of HVAC & R | 22/04/2022 | 22/04/2022 | Industrial Visit to Apollo Heat Exchangers, Vasai East for the students of TE A and TE B |
| 7 | Practical Exposure to the students in the field of Machine Learning | 01/05/2022 | 01/05/2022 | Application of Machine Learning in Mechanical Engineering By Dr. Shubhangi Vaikole, Assoc Professor DMCE Navi Mumbai |




HEAD
 Dept. of Mechanical Engg.
 Vidyavardhini's College of
 Engineering & Technology
 Vasai Road 401202

Subject Choice Even 2021-22

* Indicates required question

1. Name *

2. Choice 1 *

Mark only one oval.

- Sem 4 Analysis of Algorithm
- Sem 4 Database Management System
- Sem 4 Operating System
- Sem 4 Microprocessor
- Sem 4 Skill Based Lab: Python Programming
- Sem 6 System Programming & Compiler Construction
- Sem 6 Cryptography & System Security
- Sem 6: Artificial Intelligence
- Sem 6 Mobile Computing
- Sem 6 DLOC: Internet of Things
- Sem 6 DLOC Digital Signal & Image Processing
- Sem 6 DLOC Quantitative Analysis
- Sem 8 Human Machine Interaction
- Sem 8 Distributed Computing
- Sem 8 DLOC High Performance Computing
- Sem 8 DLOC Natural Language Processing
- Sem 8 DLOC Adhoc Wireless Network
- Sem 8 ILOC: Project Management
- Sem 8 ILOC: Professional Ethics and CSR

3. Choice 2 *

Mark only one oval.

- Sem 4 Analysis of Algorithm
- Sem 4 Database Management System
- Sem 4 Operating System
- Sem 4 Microprocessor
- Sem 4 Skill Based Lab: Python Programming
- Sem 6 System Programming & Compiler Construction
- Sem 6 Cryptography & System Security
- Sem 6: Artificial Intelligence
- Sem 6 Mobile Computing
- Sem 6 DLOC: Internet of Things
- Sem 6 DLOC Digital Signal & Image Processing
- Sem 6 DLOC Quantitative Analysis
- Sem 8 Human Machine Interaction
- Sem 8 Distributed Computing
- Sem 8 DLOC High Performance Computing
- Sem 8 DLOC Natural Language Processing
- Sem 8 DLOC Adhoc Wireless Network
- Sem 8 ILOC: Project Management
- Sem 8 ILOC: Professional Ethics and CSR

4. Choice 3 *

Mark only one oval.

- Sem 4 Analysis of Algorithm
- Sem 4 Database Management System
- Sem 4 Operating System
- Sem 4 Microprocessor
- Sem 4 Skill Based Lab: Python Programming
- Sem 6 System Programming & Compiler Construction
- Sem 6 Cryptography & System Security
- Sem 6: Artificial Intelligence
- Sem 6 Mobile Computing
- Sem 6 DLOC: Internet of Things
- Sem 6 DLOC Digital Signal & Image Processing
- Sem 6 DLOC Quantitative Analysis
- Sem 8 Human Machine Interaction
- Sem 8 Distributed Computing
- Sem 8 DLOC High Performance Computing
- Sem 8 DLOC Natural Language Processing
- Sem 8 DLOC Adhoc Wireless Network
- Sem 8 ILOC: Project Management
- Sem 8 ILOC: Professional Ethics and CSR

5. Choice 4 *

Mark only one oval.

- Sem 4 Analysis of Algorithm
- Sem 4 Database Management System
- Sem 4 Operating System
- Sem 4 Microprocessor
- Sem 4 Skill Based Lab: Python Programming
- Sem 6 System Programming & Compiler Construction
- Sem 6 Cryptography & System Security
- Sem 6: Artificial Intelligence
- Sem 6 Mobile Computing
- Sem 6 DLOC: Internet of Things
- Sem 6 DLOC Digital Signal & Image Processing
- Sem 6 DLOC Quantitative Analysis
- Sem 8 Human Machine Interaction
- Sem 8 Distributed Computing
- Sem 8 DLOC High Performance Computing
- Sem 8 DLOC Natural Language Processing
- Sem 8 DLOC Adhoc Wireless Network
- Sem 8 ILOC: Project Management
- Sem 8 ILOC: Professional Ethics and CSR

6. Choice 5 *

Mark only one oval.

- Sem 4 Analysis of Algorithm
- Sem 4 Database Management System
- Sem 4 Operating System
- Sem 4 Microprocessor
- Sem 4 Skill Based Lab: Python Programming
- Sem 6 System Programming & Compiler Construction
- Sem 6 Cryptography & System Security
- Sem 6: Artificial Intelligence
- Sem 6 Mobile Computing
- Sem 6 DLOC: Internet of Things
- Sem 6 DLOC Digital Signal & Image Processing
- Sem 6 DLOC Quantitative Analysis
- Sem 8 Human Machine Interaction
- Sem 8 Distributed Computing
- Sem 8 DLOC High Performance Computing
- Sem 8 DLOC Natural Language Processing
- Sem 8 DLOC Adhoc Wireless Network
- Sem 8 ILOC: Project Management
- Sem 8 ILOC: Professional Ethics and CSR

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Google Forms

Subject Choice Form Responses

| Timestamp | Name | Choice 1 | Choice 2 | Choice 3 | Choice 4 | Choice 5 |
|---------------------|---------------------------|--|--|--|-------------------------------------|---|
| 10/18/2021 11:30:44 | Sneha Mhatre | Sem 6 Mobile Computing | Sem 8 DLOC High Performance Computi | Sem 6 DLOC Digital Signal & Image Pro | Sem 8 Human Machine Interaction | Sem 6 Cryptography & System Security |
| 10/18/2021 11:30:58 | Sunil Katkar | Sem 4 Microporcessor | Sem 4 Skill Based Lab: Python Programr | Sem 4 Operating System | Sem 6 Mobile Computing | Sem 8 DLOC High Performance Computing |
| 10/18/2021 11:52:19 | Sanket Patil | Sem 8 ILOC: Professional Ethics and CS | Sem 8 ILOC: Professional Ethics and CS | Sem 8 ILOC: Professional Ethics and CS | Sem 8 ILOC: Professional Ethics and | Sem 8 ILOC: Professional Ethics and CSR |
| 10/18/2021 11:52:36 | Ms. Smita Kiran Jawale | Sem 4 Database Management System | Sem 4 Operating System | Sem 6 Cryptography & System Security | Sem 6: Artificial Intelligence | Sem 8 Human Machine Interaction |
| 10/18/2021 11:53:15 | Tatwadarshi P. Nagarhalli | Sem 8 DLOC Natural Language Process | Sem 6: Artificial Intelligence | Sem 4 Analysis of Algorithm | Sem 6 Cryptography & System Secu | Sem 4 Skill Based Lab: Python Programming |
| 10/18/2021 12:13:45 | Anil Hingmire | Sem 6: Artificial Intelligence | Sem 6 Cryptography & System Security | Sem 6 System Programming & Compiler | Sem 4 Database Management Syste | Sem 4 Skill Based Lab: Python Programming |
| 10/18/2021 12:15:55 | Smita Patil | Sem 4 Skill Based Lab: Python Program | Sem 6 System Programming & Compiler | Sem 4 Microporcessor | Sem 6 DLOC: Internet of Things | Sem 8 Distributed Computing |
| 10/18/2021 16:54:03 | Kranti Gule | Sem 8 Distributed Computing | Sem 6 System Programming & Compiler | Sem 6 Cryptography & System Security | Sem 4 Database Management Syste | Sem 8 Human Machine Interaction |
| 10/19/2021 15:38:58 | Mr. Vikrant A. Agaskar | Sem 8 Human Machine Interaction | Sem 8 ILOC: Project Management | Sem 4 Operating System | Sem 4 Skill Based Lab: Python Prog | Sem 8 ILOC: Professional Ethics and CSR |
| 10/19/2021 17:49:21 | Dr.Swapna Borde | Sem 4 Skill Based Lab: Python Program | Sem 6 DLOC Digital Signal & Image Proc | Sem 4 Analysis of Algorithm | Sem 4 Microporcessor | Sem 4 Database Management System |

VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER ENGINEERING
Academic Year 2021-22 WORK LOAD(EVEN SEM)

Workload

| Teachers Subjects | Total Load | | | Dr. Megha Trivedi | | Dr. Swapna Borde | | Mr. Vikrant Agaskar | | Mr. Anil Hingmire | | Ms. Smita Jawale | | Mr. Sunil Katkar | | Mr. Sanket Patil | | Ms. Sneha Mhatre | | Tatwadarshi P. N. | | Mrs. Kranti Gule | | Mrs. Smita Patil | | Dr. Sagar Tambe | | Ms. Snehal Mhatre | | Mrs. Sneha Yadav | | Ms. Neha Raut | | subject load | | |
|----------------------|------------|-----------|----------|-------------------|---|------------------|---|---------------------|----|-------------------|----|------------------|----|------------------|----|------------------|---|------------------|----|-------------------|----|------------------|----|------------------|----|-----------------|---|-------------------|----|------------------|----|---------------|----|--------------|-----|---|
| | Lecture | Practical | Tutorial | T | P | T | P | T | P | T | P | T | P | T | P | T | P | T | P | T | P | T | P | T | P | T | P | T | P | T | P | | | | | |
| F.E. CP(3 Div)\$ | 6 | 12 | | 3 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E. MATHS* | 3 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 6 | 18 | |
| DBMS | 3 | 8 | - | | | | | | | | | 3 | 8 | | | | | | | | | | | | | | | | | | | | | 0 | | |
| OS | 3 | 8 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | |
| AOA | 3 | 8 | - | | | | | | | | | | | | | | | | | | | | | 3 | 8 | | | | | | | | | 11 | | |
| MP | 3 | 8 | - | | | | | | | | | | | 3 | 6 | | | | | | 2 | | | | | | | | 3 | 8 | | | | 11 | | |
| SBL | 2 | 8 | - | | | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | |
| T.E.. SPCC | 3 | 8 | - | | | | | | | 2 | 4 | | | | | | | | | | | | 1 | 4 | | | | | | | | | | | 10 | |
| CSS | 3 | 8 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| MC | 3 | 8 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| AI | 3 | 8 | - | | | | | | | 3 | 8 | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| DLOC-DSIP | 3 | - | - | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| DLOC-IoT | 3 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| DLOC-QA | 3 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| CC | - | 16 | - | | | | | | | | | 4 | | 4 | | | | | | | | | | | | | | | | | | | | | 16 | |
| B.E.. HMI | 4 | 8 | - | | | | | 2 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | |
| DC | 4 | 8 | - | | | | | | | | | | | | | | | | | | | | 4 | 8 | | | | | | | | | | | 12 | |
| NLP | 4 | 4 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| HPC | 4 | 4 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| PM | 3 | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| PE&CSR | 3 | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | 3 | |
| CC | - | 16 | - | | | | | | 4 | | | | | 4 | | | | | | | | | | | | | | | | | | | | | 16 | |
| S.E. Linux-EXTC# | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | 0 | 6 | | | | | | | | | | 2 | 8 |
| S.E. SBL-Mech# | 0 | 8 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 6 | | | 2 | 8 |
| Mini-Project | | | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | | 15 | |
| TOTAL | 66 | 156 | 0 | 3 | 7 | 5 | 9 | 5 | 13 | 5 | 13 | 3 | 13 | 3 | 15 | 3 | 1 | 5 | 11 | 7 | 11 | 5 | 13 | 3 | 15 | 5 | 9 | 3 | 13 | 3 | 15 | 5 | 13 | | 234 | |
| Faculty Load | | | | 10 | | 14 | | 18 | | 18 | | 16 | | 18 | | 4 | | 16 | | 18 | | 18 | | 18 | | 14 | | 16 | | 18 | | 18 | | | | |

* Subject Load taken by faculty from other department= 4

Other Department Load=16

\$ First Year Load=18

Dr. Megha Trivedi
HOD, Computer Engineering

Dr. H. V. Vankudre
Principal

[Click here for summary page](#)



PAQIC Meeting

Date: 20/11/2020

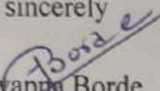
Notice

Dear Sir/Madam,

I am directed to inform you that the meeting of PAQIC of Department of Computer Engineering will be held on Monday 23rd November 2020 at 3pm in room no. 201.

You are requested to kindly make it convenient to attend the meeting.


Yours sincerely



Dr. Swapna Borde
PAQIC Co-ordinator

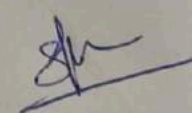
Agenda of meeting


- Welcome address by HOD
- Approval of minutes of meeting dated 28th February 2020
- Discussion on revised syllabus (R 2019 C) of Second Year Computer Engineering (3rd Semester), curriculum gaps and proposed actions.
- Review of mapping of Course outcomes with Program Outcomes/Program Specific Outcomes of all the courses (3rd Semester) of Second Year Computer Engineering.
- Review of overall attainment of Batch 2019-2020
- Any other matter (with the permission of chair)
- Vote of thanks

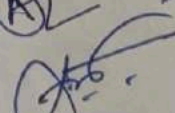
PAQIC Members:

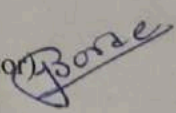
Dr. Megha Trivedi, HOD, Computer Engineering (Chairperson) 

Mr. Anil Hingmire, Department of Computer Engineering 

Mrs. Sangita Chaudhari, Department of Computer Engineering 

Dr. Uday Aswalekar, HOD, Mechanical Engineering 

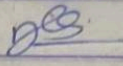

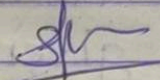
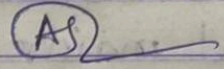
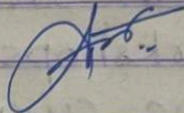
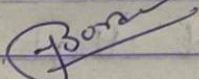
Dr. Ashish Vanmali, HOD, Information Technology 

Dr. Swapna Borde, Department of Computer Engineering (Coordinator) 

PACIC Minutes of Meeting

The meeting of the PACIC of Department of Computer Engineering was held on Monday 23rd November 2020.

Following members were present for the meeting:

1. Dr. Megha Trivedi 
2. Mr. Anil Hingmire 
3. Mrs. Sangita Chaudhari 
4. Dr. Uday Aswalekar (A) 
5. Dr. Ashish Vanmali 
6. Dr. Swapna Borde 

Minutes of Meeting:

1. Dr. Megha Trivedi, HOD Computer Engineering welcomed the honourable PACIC members and expressed sincere gratitude for accepting the invitation.
2. The minutes of PACIC meeting held on 28th February 2020 were read by Dr. Swapna Borde and after due discussion minutes were approved by committee members.
3. Dr. Megha Trivedi explained in detail the agenda of the meeting.

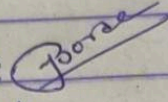
4. Mr. Anil Hingmire discussed about the proposed revised syllabus for Second Year Computer Engineering for the academic year 2020-21. The Course Objectives, Outcomes and their mapping with Program Outcomes and Program Specific Outcomes were also discussed.

5. Mrs. Sangita Chaudhari discussed about the curriculum gaps and proposed actions. Dr. Ashish Vanmali emphasized that stress should be given on implementing real time projects as course projects, mini projects and major projects. Dr. Megha Trivedi gave an overview of the expert lectures, workshops, trainings planned to bridge the curriculum gaps. She also suggested that industrial visits would be arranged to understand the impact of technology on society.

6. Dr. Swapna Borde presented the CO, PO and PSO attainment for the academic year 2019-2020. She had presented planned activities for the academic year 2020-2021. Dr. Uday Aswalekar emphasized that students should participate in technical events in reputed institutions that foster the investigation skills for complex engineering problems. Dr. Ashish Vanmali enquired about number of papers published in national and international journals and suggested to improve upon

the number of publications.

7. The meeting was concluded with Vote of Thanks.

Prepared by
Dr. Swapna Borde 
PA&TC Co-ordinator.



VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF Computer Science and Engineering(Data Science)
Academic Year 2022-23 (Odd Semester)

| DAY | CLASS | 9:00-10:00 | 10:00-11:00 | 11:00-11:15 | 11:15-12:15 | 12:15-1:15 | 1:15-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 | |
|-----|-------|---|---|-----------------------|---|------------|-----------------------|---|-----------------------|-----------------------|-----------|--|
| Mon | SE | DLCA(D1)(CD) 309 DS(D2)(MV) 511 CG(D3)(KV) 507 OOPJ(D4)(YP) 307A | | B R E A K | DSGT(JP) | DLCA(CD) | B R E A K | EM3 (GT) | EM3 Tut (D4) (GT) 419 | | | |
| | TE | AI(JP) | BCE-II(SS) | | DLOC-1 IoT (YP) 516 SAI&DS(SVS) 517 | CN (MV) | | Mini Project | | | | |
| Tue | SE | DSGT (JP) | EM3 (GT) | | OOPJ(YP) | CG (KV) | | DLCA(D2) (CD) 309 DS(D1)(MV) 511 CG(D4)(KV) 507 OOPJ(D3)(YP) 307A | | EM3 Tut (D2) (GT) 419 | | |
| | TE | DLOC-1 IoT (YP) 516 SAI&DS(SVS) 517 | DWM(KV) | | AI (D3) (JP) 307-B DWM(D4)(SVS) 507 WCNL(D1)(MV) 511 BCE(D2)(SS) 419 | | | AI(JP) | PTA | | | |
| Wed | SE | EM3 (GT) | OOPJ(YP) | | DLCA(CD) | CG (KV) | | DS(MV) | EM3 Tut (D1) (GT) 419 | | | |
| | TE | WC (CD) | CN (MV) | | AI (D1) (JP) 307-B DWM(D2)(SVS) 507 WCNL(D3)(MV) 511 BCE(D4)(SS) 419 | | | DWM(KV) | Mini Project | | | |
| Thu | SE | DLCA(D3) (CD) 401 DS(D4)(JP) 511 CG(D1)(KV) 507 OOPJ(D2)(YP) 307A | | | DLCA(CD) | DS(MV) | | Mini Project | | | | |
| | TE | | CN (MV) | | AI (D4) (JP) 307-B DWM(D3)(KV) 507 WCNL(D2)(SVS) 511 BCE(D1)(SS) 419 | | | WC (CD) | DWM(KV) | | | |
| Fri | SE | DS(MV) | DSGT (JP) | | DLCA(D4) (CD) 309 DS(D3)(MV) 511 CG(D2)(KV) 507 OOPJ(D1)(YP) 307A | | | CG (KV) | EM3 Tut (D3) (GT) 419 | Mini Project | | |
| | TE | WC (CD) | DLOC-1 IoT (YP) 516 SAI&DS(SVS) 517 | | BCE-II (SS) | AI (JP) | | AI (D2) (JP) 307-B DWM(D1)(SVS) 507 WCNL(D4)(CD) 511 BCE(D3)(SS) 419 | | | | |

Class rooms: SE- 422 / TE- 516
Subjects:

| SE | |
|------|---|
| EM3 | Engineering Mathematics 3 |
| DSGT | Discrete Structures and Graph Theory |
| DS | Data Structures |
| DLCA | Digital Logic and Computer Architecture |
| CG | Computer Graphics |
| OOPJ | Object Oriented Programming in Java |

| SE | |
|-------------------------|---------------------|
| Faculty Members: | |
| YP | Mr. Yogesh Pingle |
| KV | Ms. Krunali Vartak |
| MV | Ms. Maya Varghese |
| CD | Ms. Carmelita Dabre |
| JP | Ms. Jaisa Pereira |
| GI | Mr. Ganesh Tilve |

Subjects:

| TE | |
|--------|------------------------------------|
| CN | Computer Networks |
| WC | Web Computing |
| AI | Artificial Intelligence |
| DWM | Data Warehousing and Mining |
| DLOC-1 | Department Level Optional Course-1 |
| BCE-II | Business Communication and Ethics |
| WCNL | Web Computing & Network Laboratory |

| TE | |
|-------------------------|---------------------|
| Faculty Members: | |
| YP | Mr. Yogesh Pingle |
| KV | Ms. Krunali Vartak |
| MV | Ms. Maya Varghese |
| CD | Ms. Carmelita Dabre |
| JP | Ms. Jaisa Pereira |
| SS | Ms. Shobna Shirsath |
| SVS | Mr. Sumet V. Shing |

Mrs. Maya Varghese
Time-table Incharge

Mr. Yogesh Pingle
Deputy HOD- CSE(DS)

Dr. Vikas Gupta
HOD-CSE(DS)
Dean, Academics

Dr. H.V. Vankudre
Principal





VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF Computer Science and Engineering(Data Science)
Academic Year 2022-23 (Even Semester)

w.e.f. from 2nd February,2023

| DAY | CLASS | 9:00-10:00 | 10:00-11:00 | 11:00-11:15 | 11:15-12:15 | 12:15-1:15 | 1:15-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
|-----|-------|---|-------------|-----------------------|--|------------|-----------------------|---|---|-----------------------------------|-----------|
| Mon | SE | EM IV (SP) | DBMS (MV) | | S1-AOA (JP) Lab 5 207 S2-DBMS (MV) Lab C 115 S3-OS (CD) Lab B 114 S4-MP (KV) 511 | | | EM IV TUT-S1(SP) 419 | Miniproject | | |
| | TE | | SE&PM(KV) | | SBL-CC(BJ) | ML(YP) | | DLOC-2 HPC(CD)519 IVP(SS)517 | T1- ML (YP) Lab 8-207 T2-CSS (CD) Lab B 114 T3-SE&PM (SS) Lab A 114 T4-SBL-CC (BJ) Lab 7-207 | | |
| Tue | SE | S2-AOA (JP) Lab 7 207 S4-DBMS (MV) Lab C 115 S1-OS (CD) Lab B 114 S3-SBL-PP (SS) Lab 8 207 | | | EM IV (SP) | SBL-PP(JP) | | Miniproject | | | |
| | TE | Honors 519 | | | T2-ML (YP) Lab 8-207 T4-CSS (SS) Lab B 114 T1-SE&PM (BJ) Lab A 114 T3-DA&V (KC) Lab 5-207 | | | CSS(MV) | DA&V(KC) | DLOC-2 HPC(CD)519 IVP(SS)517 | |
| Wed | SE | EM IV (SP) | DBMS (MV) | B R E A K | OS(CD) | MP(KV) | B R E A K | S3-AOA (JP) Lab 5-207 S4-SBL-PP (SS) Lab C 115 S2-OS (CD) Lab B 114 S1-MP (KV) 511 | | AOA(JP) | |
| | TE | Miniproject | SE&PM(KV) | | T3-ML (YP) Lab 8-208 T4-DA&V(KC) Lab 2-207 T2-SE&PM (SS) Lab A 114 T1-SBL-CC (BJ) Lab 7-207 | | | Miniproject | | | |
| Thu | SE | SBL-PP(JP) | MP(KV) | | S4-AOA (JP) Lab 7 207 S1-DBMS (MV) Lab C 115 S3-MP (KV) 511 S2-SBL-PP (SS) Lab 8 207 | | | AOA(JP) | OS(CD) | EM IV TUT-S3 (DA)419 | |
| | TE | T4-ML (YP) Lab 8-207 T1-CSS(MV) Lab B 114 T3-SBL-CC(BJ) Lab 7-207 T2-DA&V(KC) Lab 2-207 | | | DA&V(KC) | ML(YP) | | CSS(MV) | SE&PM(KV) | Honors 519 | |
| Fri | SE | AOA(JP) | DBMS (MV) | | MP(KV) | OS(CD) | | S1-SBL-PP(JP) Lab 8-207 S3-DBMS (MV) Lab C 114 S4-OS (CD) Lab 7-207 S2-MP (KV) 507 | | EM IV TUT-S2(SP) 419 S4(DA)H26 | |
| | TE | T1-DA&V (YP) Lab 3-207 T3-CSS(SS) Lab B 114 T4-SE&PM(KV) Lab A 114 T2-SBL-CC(BJ) Lab 7-207 | | | DA&V(KC) | CSS(MV) | | SBL-CC(BJ) | ML(YP) | DLOC-2 HPC(CD)519 IVP(SS)517 | |

Class rooms: SE- 517 / TE- 519

Subjects:

| SE | |
|--------|-------------------------------------|
| EM IV | Engineering Mathematics IV |
| AOA | Analysis of Algorithm |
| DBMS | Database Management System |
| OS | Operating System |
| MP | MicroProcessor |
| SBL-PP | Skill Based Lab- Python Programming |
| MP-1B | Mini Project 1B |

| SE | |
|------------------|-----------------------|
| Faculty Members: | |
| SP | Ms. Sushma Pandey |
| KV | Ms. Krunali Vartak |
| MV | Ms. Maya Varghese |
| CD | Ms. Carmelita Dabre |
| JP | Ms. Janisa Pereira |
| SS | Mr. Sumeet V. Shingri |
| KC | Ms. Komal C. |



Subjects:

| TE | |
|------------|---------------------------------------|
| DA&V | Data Analytics and Visualization |
| CSS | Cryptography and System Security |
| SE&PM | Software Engineering and Project Mgmt |
| ML | Machine Learning |
| DLOC (HPC) | High Performance Computing |
| DLOC (IVP) | Image & Video Processing |
| SBL-CC | Cloud Computing |
| MP-2B | Mini Project 2B |

| TE | |
|------------------|-----------------------|
| Faculty Members: | |
| YP | Mr. Yogesh Pingle |
| KV | Ms. Krunali Vartak |
| MV | Ms. Maya Varghese |
| CD | Ms. Carmelita Dabre |
| JP | Ms. Janisa Pereira |
| SS | Mr. Sumeet V. Shingri |
| BJ | Ms. Bhaku Jadhav |
| KC | Ms. Komal C. |

Mrs. Maya Varghese
 Time-table Incharge

Mr. Yogesh Pingle
 Deputy HOD- CSE(DS)

Dr. Vikas Gupta
 HOD-CSE(DS)
 Dean, Academics

Dr. H.V. Vankudre
 Principal

Vidyavardhini's College of Engineering & Technology, Vasai Road, (W)

Department of Civil Engineering

NOTICE (Project Stage-I)

Date: 07/08/2020

All the students of **B.E (Civil)** are hereby informed that their Project Progress Seminar (PPS) schedule is as below. Project book needs to be updated before PPS.

| Sr. No | PPS | Date | Time | Content of presentation |
|--------|-----------------------------------|---------------------------|---------------------|---|
| 01 | 1 st | 24/08/2020 | 10.00 am to 5.00 pm | <ol style="list-style-type: none"> 1. Initial survey 2. Literature survey * 3. Title of Project 4. Aim & Objectives 5. Detailed Schedule of Work |
| 02 | 2 nd | 28/09/2020 | 10.00 am to 5.00 pm | <ol style="list-style-type: none"> 1. Abstract 2. Introduction 3. Aim & objective 4. Detailed Schedule of Work 5. Testing procedure 6. Methodology in short 7. Conclusion |
| 03 | 3 rd | 19/10/2020 | 10.00 am to 5.00 pm | <ol style="list-style-type: none"> 1. Introduction 2. Aim & objective 3. Methodology in short 4. Result & discussion 5. Conclusion |
| 05 | 4 th (Sem-VII Exam) | 21/11/2020 (Tentative) | 10.00 am to 5.00 pm | <ol style="list-style-type: none"> 1. Synopsis of project: It Includes <ul style="list-style-type: none"> • Abstract • Introduction • Aim & objective • Literature Review in Short • Methodology: It includes theory, design procedure, experimental details, test details, method of experiment (In Short) • Result & Discussion • Comparison study with theoretical/computational results • Conclusion 2. Future Scope 3. References 4. Appendix 5. Publications <p>Submit Hard copy of Synopsis report at the time of Final Presentation.</p> |

If any changes happen in above schedule will be informed to the students.

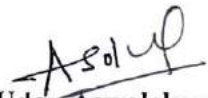
Note:* Literature survey should be in the tabulated form on power point slide as shown below. (Minimum 8 Numbers)

| Sr. No | Name of Author | Journal/Book/ Article Details | Year of Publication | Work carried out | Outcomes of work |
|--------|----------------|-------------------------------|---------------------|------------------|------------------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |



Prof. Chougale J.B

Project Co-ordinator



Dr. Uday Aswalekar

I/C HOD Civil Engg. Dept.



HEAD
DEPT. OF CIVIL ENGG.
Vidyavardhini's College of
Engineering & Technology
Vasai Road (W)- 401202.



Department of Civil Engineering

BE Civil Project Stage-II

NOTICE

Date: 02/02/2021

All the students of **B.E (Civil)** are hereby informed that their Project Progress Seminar (**PPS**) of (Stage-2) schedule is as below. Project book needs to be updated before PPS.

| Sr. No | PPS | Date | Time | Content of presentation |
|---------------|-----------------------|-------------------|----------------------------|---|
| 01 | 1st | 12/02/2021 | 11.15 am to 5.00 pm | <ol style="list-style-type: none">1. Summary of Sem-VII work2. Work done between previous presentations to till date.3. Methodology & result4. Submit Abstract in soft & hard copy |
| 02 | 2nd | 18/03/2021 | 11.15 am to 5.00 pm | <ol style="list-style-type: none">1. Testing procedure2. Observation table3. Results4. Full length manuscript as per format submitted/to submit in identified conference. |
| 03 | 3rd | 27/04/2021 | 11:15 am to 5.00 pm | <ol style="list-style-type: none">1. Synopsis of project: It includes<ol style="list-style-type: none">a. Abstractb. Introductionc. Aim & objectived. Methodology in shorte. Result & discussionf. ConclusionIn soft copy maximum of six pages submit to the project coordinator.2. Final Experimental results3. Comparison of results4. Final conclusion5. Project poster for VNPS'20206. Paper presentation certificate of each students in a group |
| 04 | VNP' S21 | 12/05/2021 | 9.00 am to 5.00 pm | <ol style="list-style-type: none">1. Project poster for VNPS'20 as per format2. Abstract, result and discussion in hard copy.3. Model of work (if possible) |
| 05 | Sem-VIII Exam | 28/05/2021 | 9.30 am to 4.30 pm | <ol style="list-style-type: none">1. Abstract2. Introduction3. Aim & objective4. Literature Review5. Methodology: It includes theory, design |

| | | | | |
|--|--|--|--|--|
| | | | | <p>procedure, experimental details, test details, method of experiment</p> <p>6. Result & Discussion</p> <p>7. Comparison study with theoretical/computational results</p> <p>8. Conclusion</p> <p>9. Future Scope</p> <p>10. References</p> <p>11. Appendix</p> <p>12. Publications</p> |
|--|--|--|--|--|

If any changes happen in above schedule we will be informed to the students.

Prof. Chougale J.B

Project Co-ordinator

Asouy

HEAD
DEPT. OF CIVIL ENGG.
 Vidyavardhini's College of
 Engineering & Technology
 Vasai Road (W)- 401202.





Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

Lesson Plan

| Lecture No. | Topic | Planned Date | MCD | AM |
|---|--|--------------|--------|-------|
| Module – 1 Introduction to Big Data and Hadoop | | | | |
| 1 | Introduction to Big Data - Big Data characteristics and Types of Big Data, Traditional vs. Big Data business approach | 11/7/2022 | 1,2 | 1,2,4 |
| 2 | Case Study of Big Data Solutions, Concept of Hadoop, Core Hadoop Components; Hadoop Ecosystem | 12/7/2022 | 1,2 | 1,2,4 |
| Module -2 Hadoop HDFS and MapReduce | | | | |
| 3 | Distributed File Systems: Physical Organization of Compute Nodes,. | 13/7/2022 | 1,2 | 1,2,4 |
| 4 | Large-Scale File-System Organization | 18/7/2022 | 1,2 | 1,2,4 |
| 5 | MapReduce: The Map Tasks, Grouping by Key, The Reduce Tasks, Combiners, | 19/7/2022 | 1,2,11 | 1,2,4 |
| 6 | Details of MapReduce Execution, Coping With Node Failures. | 20/7/2022 | 1,2 | 1,2,4 |
| 7 | Algorithms Using MapReduce: Matrix-Vector Multiplication by MapReduce, Relational-Algebra Operations, Computing Selections by MapReduce, | 21/7/2022 | 1,2,11 | 1,2,4 |
| 8 | Computing Projections by MapReduce, Union ,Intersection, and Difference by MapReduce, Hadoop Limitations | 22/7/2022 | 1,2,11 | 1,2,4 |
| Module -3 NoSQL | | | | |
| 9 | Introduction to NoSQL, NoSQL Business Drivers | 25/7/2022 | 1,2 | 1,2,4 |
| 10 | NoSQL Data Architecture Patterns: Key-value stores, Graph stores, Column family (Bigtable)stores | 26/7/2022 | 1,2,11 | 1,2,4 |
| 11 | Document stores, Variations of NoSQL architectural patterns | 27/7/2022 | 1,2,11 | 1,2,4 |
| 12 | NoSQL Case Study, NoSQL solution for big data | 28/7/2022 | 1,2,13 | 1,2,4 |
| 13 | Understanding the types of big data problems; Analyzing big data with a shared-nothing architecture | 29/7/2022 | 1,2,11 | 1,2,4 |



Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

| | | | | |
|--|--|-----------|--------|-------|
| 14 | Choosing distribution models: master-slave versus peer-to-peer; | 1/8/2022 | 1,2 | 1,2,4 |
| 15 | NoSQL systems to handle big data problems. | 2/8/2022 | 1,2 | 1,2,4 |
| Module -4 Mining Data Streams | | | | |
| 16 | The Stream Data Model: A Data-Stream-Management System | 3/8/2022 | 1,2 | 1,2,5 |
| 17 | Examples of Stream Sources, Stream Queries, Issues in Stream Processing. | 8/8/2022 | 1,2 | 1,2,5 |
| 18 | Sampling Data techniques in a Stream | 10/8/2022 | 1,2 | 1,2,5 |
| 19 | Filtering Streams: Bloom Filter with Analysis. | 17/8/2022 | 1,2 | 1,2,5 |
| 20 | Counting Distinct Elements in a Stream, | 22/8/2022 | 1,2 | 1,2,5 |
| 21 | Count-Distinct Problem | 23/8/2022 | 1,2 | 1,2,5 |
| 22 | Flajolet-Martin Algorithm, Combining Estimates | 24/8/2022 | 1,2 | 1,2,5 |
| 23 | Space Requirements | 29/8/2022 | 1,2 | 1,2,5 |
| 24 | Counting Ones in a Window: The Cost of Exact Counts, | 30/8/2022 | 1,2 | 1,2,5 |
| 25 | The Datar-Gionis-Indyk-Motwani Algorithm, | 5/9/2022 | 1,2 | 1,2,5 |
| 26 | Query Answering in the DGIM Algorithm, Decaying Windows. | 12/9/2022 | 1,2 | 1,2,5 |
| Module -5 Real-Time Big Data Models | | | | |
| 27 | A Model for Recommendation Systems, Content-Based Recommendations, | 13/9/2022 | 1,2 | 1,2,5 |
| 28 | Collaborative Filtering | 14/9/2022 | 1,2 | 1,2,5 |
| 29 | Case Study: Product Recommendation | 19/9/2022 | 1,2 | 1,2,5 |
| 30 | Social Networks as Graphs, Clustering of Social-Network Graphs | 20/9/2022 | 1,2 | 1,2,5 |
| 31 | Direct Discovery of Communities in a social graph | 21/9/2022 | 1,2 | 1,2,5 |
| Module -6 Data Analytics with R | | | | |
| 32 | Exploring Basic features of R, Exploring RGUI, Exploring RStudio, Handling Basic Expressions in R, Variables in R, | 26/9/2022 | 1,2,11 | 1,2,5 |



| | | | | |
|----|---|-----------|--------|-------|
| 33 | Working with Vectors, Storing and Calculating Values in R, Creating and using Objects, Interacting with users | 27/9/2022 | 1,2,11 | 1,2,5 |
| 34 | Handling data in R workspace, Executing Scripts, Creating Plots, Accessing help and documentation in R | 28/9/2022 | 1,2,11 | 1,2,5 |
| 35 | Reading datasets and Exporting data from R, Manipulating and Processing Data in R, Using functions instead of script, built-in functions in R | 3/10/2022 | 1,2,11 | 1,2,5 |
| 36 | Data Visualization: Types, Applications | 4/10/2022 | 1,2 | 1,2,5 |

Modes of Content Delivery:

| | | | |
|---|----------------------------|----|--------------------------------|
| 1 | Classroom Teaching | 8 | Mini-Project |
| 2 | Slides/Handouts/Notes | 9 | Lab Experiment |
| 3 | ICT Tools | 10 | Seminar/Case Studies |
| 4 | Simulations/Demonstrations | 11 | Expert Lecture |
| 5 | Solving Problems | 12 | Workshops |
| 6 | Design Exercise | 13 | Self-Learning Online Resources |
| 7 | Field Work | 16 | Any other (specify) |

Assessment Methods

| | | | |
|---|-----------------------|----|--------------------|
| 1 | Internal Assessment 1 | 7 | Course Projects |
| 2 | Internal Assessment 2 | 8 | Survey/ Case-study |
| 3 | Assignments | 9 | Surprise Test |
| 4 | Tutorials | 10 | Open Book Test |



Vidyavardhini's College of Engineering & Technology
Department of Electronics and Telecommunication Engineering

**Performance Indicators for assessing Course Outcomes with Experiment
Assessment Tool:**

| Performance Indicator | Exceed Expectations (EE) | Meet Expectations (ME) | Below Expectations (BE) |
|---|--|---|--|
| Performance (05 marks) | <i>The entire experiment was executed within assigned time.</i> | <i>The entire experiment was executed on deadline.</i> | <i>The entire experiment was executed beyond deadline.</i> |
| Understanding (05 marks) | <i>Complete understanding of the aim of the experiment and basic concept</i> | <i>Considerable understanding of the aim of the experiment and basic concept</i> | <i>Lack of understanding of the aim of the experiment and basic concept.</i> |
| Journal work and timely submission (10 marks) | <i>Very neat. Appropriate observations, result analysis and conclusion</i> | <i>Mostly neat. Moderately appropriate observations, result analysis and conclusion</i> | <i>Not legible. Inappropriate observations, result analysis and conclusion</i> |



Vidyavardhini's College of Engineering & Technology
Department of Electronics & Telecommunication Engineering

Academic Year 2019-20

Internal Assessment Sheet

Subject: *DBMS*

Batch: *A*

Year/Sem: *TE / VI*

| Roll No. | Student Name | Exp No. 1 | | | | Exp No. 2 | | | | Exp No. 3 | | | | Exp No. 4 | | | | | | | | | | | |
|----------|--------------------------|---------------|------|-----------|----|-----------|-----|------|-----|---------------|----|-----------|-----|-----------|------|-------|----|-----|-----|------|-----|----|----|----|----|
| | | Problem Defn. | | E-R Diag. | | ER-model | | DDL | | Problem Defn. | | E-R Diag. | | ER-model | | DDL | | | | | | | | | |
| | | DOP | DOC | Marks | | | | DOP | DOC | Marks | | | | DOP | DOC | Marks | | | | | | | | | |
| | | A | B | C | 20 | DOP | DOC | A | B | C | 20 | DOP | DOC | A | B | C | 20 | DOP | DOC | A | B | C | 20 | | |
| 1 | Ansari Mohammad Atique | 22/1 | 29/1 | 05 | 05 | 09 | 19 | 29/1 | 5/2 | 05 | 05 | 09 | 19 | 5/2 | 26/2 | 05 | 05 | 09 | 19 | 26/2 | 4/3 | 05 | 05 | 09 | 19 |
| 2 | Bhalala Yunika Ashokbhai | 29/1 | 5/2 | 04 | 03 | 07 | 14 | 29/1 | 5/2 | 04 | 03 | 08 | 15 | 5/2 | 26/2 | 03 | 03 | 07 | 13 | 26/2 | 4/3 | 04 | 03 | 07 | 14 |
| 3 | Bhoir Mansi Manohar | 22/1 | 29/1 | 04 | 04 | 07 | 15 | 29/1 | 5/2 | 04 | 03 | 07 | 14 | 5/2 | 26/2 | 04 | 03 | 08 | 15 | 26/2 | 4/3 | 04 | 03 | 07 | 14 |
| 4 | Bhosle Neehal deepak | 22/1 | 29/1 | 05 | 05 | 09 | 19 | 29/1 | 5/2 | 05 | 04 | 09 | 18 | 5/2 | 26/2 | 05 | 04 | 09 | 18 | 26/2 | 4/3 | 05 | 04 | 08 | 19 |
| 5 | Chaubey Hement O. | 22/1 | 29/1 | 05 | 04 | 08 | 17 | 29/1 | 5/2 | 04 | 04 | 08 | 16 | 5/2 | 26/2 | 05 | 04 | 09 | 18 | 26/2 | 4/3 | 05 | 04 | 08 | 18 |
| 6 | Dange Pradip Balu | 22/1 | 29/1 | 04 | 03 | 07 | 14 | 29/1 | 5/2 | 04 | 04 | 08 | 16 | 5/2 | 26/2 | 04 | 03 | 08 | 15 | 26/2 | 4/3 | 04 | 03 | 08 | 15 |
| 7 | Gokhale Kaustubh D. | 22/1 | 29/1 | 04 | 04 | 09 | 17 | 29/1 | 5/2 | 05 | 04 | 08 | 17 | 5/2 | 26/2 | 05 | 04 | 09 | 18 | 26/2 | 4/3 | 05 | 04 | 09 | 18 |
| 8 | Gupta Suraj P. | 29/1 | 5/2 | 03 | 03 | 06 | 12 | 29/1 | 5/2 | 03 | 03 | 07 | 13 | 26/2 | 4/3 | 03 | 03 | 06 | 12 | 26/2 | 4/3 | 03 | 03 | 07 | 13 |
| 9 | Himmatramka Harshit | 22/1 | 29/1 | 03 | 03 | 07 | 13 | 29/1 | 5/2 | 03 | 03 | 08 | 14 | 5/2 | 26/2 | 03 | 03 | 07 | 13 | 26/2 | 4/3 | 03 | 03 | 07 | 13 |
| 10 | Jain Apeksha | 28/1 | 29/1 | 05 | 04 | 09 | 18 | 29/1 | 5/2 | 05 | 04 | 09 | 18 | 5/2 | 26/2 | 05 | 04 | 08 | 17 | 26/2 | 4/3 | 05 | 04 | 09 | 18 |
| 11 | Joshi Anushka Sandeep | 22/1 | 29/1 | 05 | 04 | 08 | 17 | 29/1 | 5/2 | 05 | 04 | 08 | 17 | 5/2 | 26/2 | 05 | 04 | 09 | 18 | 26/2 | 4/3 | 05 | 04 | 08 | 17 |
| 12 | Karande Madhura V. | 22/1 | 29/1 | 04 | 04 | 07 | 15 | 29/1 | 5/2 | 04 | 03 | 07 | 14 | 5/2 | 26/2 | 04 | 04 | 08 | 16 | 26/2 | 4/3 | 04 | 04 | 07 | 15 |
| 13 | Kini Shraddha Bhushan | 22/1 | 29/1 | 04 | 04 | 08 | 16 | 29/1 | 5/2 | 03 | 04 | 09 | 16 | 5/2 | 26/2 | 03 | 04 | 08 | 15 | 26/2 | 4/3 | 04 | 03 | 08 | 15 |
| 14 | More Sanjana | 22/1 | 29/1 | 04 | 04 | 08 | 16 | 29/1 | 5/2 | 04 | 03 | 08 | 15 | 5/2 | 26/2 | 04 | 04 | 09 | 17 | 26/2 | 4/3 | 04 | 03 | 08 | 15 |
| 15 | Nabge Sharvari | 22/1 | 29/1 | 04 | 03 | 08 | 15 | 29/1 | 5/2 | 04 | 03 | 09 | 16 | 5/2 | 26/2 | 04 | 03 | 08 | 15 | 26/2 | 4/3 | 04 | 04 | 08 | 16 |

A - 05 Marks (performance),

B - 05 Marks (Understanding),

C - 10 Marks (journal work and timely submission)

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Faculty In-charge

[Signature]
Sign
HOD



Vidya Vardhini's College of Engineering & Technology
 Department of Electronics & Telecommunication Engineering
 Academic Year 2019-20
 Internal Assessment Sheet

Subject: DAMS

Batch: A

Year/Sem: TE / VI

| Roll No. | Student Name | Exp No. 5 | | | | Exp No. 6 | | | | Exp No. 7 | | | | Exp No. 8 | | | | | | | | | | | |
|----------|--------------------------|-----------|------|-------|----|---------------|----|------|------|--------------|----|----|----|-------------|-----|-------|----|----|----|-----|-----|----|----|----|----|
| | | DML | | | | Complex Query | | | | Nested Query | | | | View & Join | | | | | | | | | | | |
| | | DOP | DOC | Marks | | | | DOP | DOC | Marks | | | | DOP | DOC | Marks | | | | | | | | | |
| | | A | B | C | 20 | | | A | B | C | 20 | | | A | B | C | 20 | | | | | | | | |
| 1 | Ansari Mohammad Atique | 4/3 | 11/3 | 05 | 05 | 08 | 18 | 11/3 | 18/3 | 05 | 05 | 08 | 18 | 18/3 | 1/4 | 05 | 05 | 09 | 19 | 1/4 | 1/4 | 05 | 05 | 09 | 19 |
| 2 | Bhalala Yunika Ashokbhai | 11/3 | 18/3 | 04 | 03 | 09 | 16 | 11/3 | 18/3 | 04 | 03 | 09 | 16 | 18/3 | 1/4 | 04 | 03 | 08 | 15 | 1/4 | 1/4 | 04 | 03 | 09 | 16 |
| 3 | Bhoir Mansi Manohar | 4/3 | 11/3 | 04 | 03 | 08 | 15 | 11/3 | 18/3 | 04 | 03 | 08 | 15 | 1/4 | 1/4 | 04 | 03 | 08 | 15 | 1/4 | 1/4 | 04 | 03 | 08 | 15 |
| 4 | Bhosle Neehal deepak | 4/3 | 11/3 | 04 | 03 | 08 | 15 | 11/3 | 18/3 | 04 | 03 | 08 | 15 | 18/3 | 1/4 | 04 | 03 | 08 | 15 | 1/4 | 1/4 | 04 | 03 | 08 | 15 |
| 5 | Chaubey Hement O. | 4/3 | 11/3 | 05 | 04 | 09 | 18 | 11/3 | 18/3 | 05 | 04 | 09 | 18 | 18/3 | 1/4 | 04 | 03 | 08 | 15 | 1/4 | 1/4 | 04 | 03 | 09 | 16 |
| 6 | Dange Pradip Balu | 4/3 | 11/3 | 04 | 03 | 08 | 15 | 11/3 | 18/3 | 04 | 03 | 08 | 15 | 18/3 | 1/4 | 04 | 03 | 09 | 16 | 1/4 | 1/4 | 04 | 03 | 07 | 13 |
| 7 | Gokhale Kaustubh D. | 4/3 | 11/3 | 04 | 04 | 08 | 16 | 11/3 | 18/3 | 04 | 04 | 08 | 16 | 18/3 | 1/4 | 03 | 03 | 08 | 14 | 1/4 | 1/4 | 03 | 03 | 08 | 15 |
| 8 | Gupta Suraj P. | 4/3 | 11/3 | 03 | 03 | 08 | 14 | 11/3 | 18/3 | 03 | 03 | 07 | 13 | 18/3 | 1/4 | 03 | 03 | 07 | 13 | 1/4 | 1/4 | 04 | 03 | 08 | 15 |
| 9 | Himmatramka Harshit | 4/3 | 11/3 | 03 | 03 | 07 | 13 | 11/3 | 18/3 | 03 | 03 | 07 | 13 | 18/3 | 1/4 | 05 | 04 | 09 | 18 | 1/4 | 1/4 | 05 | 04 | 09 | 18 |
| 10 | Jain Apeksha | 4/3 | 11/3 | 03 | 03 | 07 | 13 | 11/3 | 18/3 | 05 | 04 | 09 | 18 | 18/3 | 1/4 | 04 | 03 | 07 | 14 | 1/4 | 1/4 | 05 | 04 | 08 | 17 |
| 11 | Joshi Anushka Sandeep | 4/3 | 11/3 | 05 | 04 | 08 | 17 | 11/3 | 18/3 | 05 | 04 | 08 | 17 | 18/3 | 1/4 | 04 | 03 | 07 | 14 | 1/4 | 1/4 | 04 | 03 | 09 | 16 |
| 12 | Karande Madhura V. | 4/3 | 11/3 | 04 | 03 | 08 | 15 | 11/3 | 18/3 | 04 | 03 | 08 | 15 | 1/4 | 1/4 | 04 | 03 | 07 | 14 | 1/4 | 1/4 | 04 | 03 | 09 | 16 |
| 13 | Kini Shraddha Bhushan | 4/3 | 11/3 | 04 | 04 | 08 | 16 | 11/3 | 18/3 | 04 | 04 | 08 | 16 | 18/3 | 1/4 | 04 | 04 | 08 | 16 | 1/4 | 1/4 | 04 | 04 | 08 | 16 |
| 14 | More Sanjana | 4/3 | 11/3 | 04 | 04 | 08 | 16 | 11/3 | 18/3 | 04 | 04 | 08 | 16 | 18/3 | 1/4 | 03 | 04 | 09 | 16 | 1/4 | 1/4 | 04 | 04 | 08 | 16 |
| 15 | Nabge Sharvari | 4/3 | 11/3 | 04 | 04 | 08 | 16 | 11/3 | 18/3 | 04 | 04 | 08 | 16 | 18/3 | 1/4 | 04 | 04 | 08 | 16 | 1/4 | 1/4 | 04 | 04 | 09 | 17 |

A - 05 Marks (performance),

B - 05 Marks (Understanding),

C - 10 Marks (journal work and timely submission)

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 Faculty In-charge

[Signature]
 Sign
 HOD




Vidyavardhini's College of Engineering & Technology

Department of Civil Engineering

Internal Assessment Marks

| Roll No. | Name of student | Internal Assessment | | | | | | | | | |
|----------|-------------------------|---------------------|-----|-----|-------|-----|-----|-----|-------|------|-----------|
| | | IA1 | | | | IA2 | | | | Avg. | Sign |
| | | CO1 | CO2 | CO3 | Total | CO4 | CO5 | CO6 | Total | | |
| | | 5 | 8 | 7 | 20 | 6 | 7 | 7 | 20 | 20 | |
| 1 | Adsule Tejas Mahendra | 4 | 4 | 4 | 12 | 0 | 1 | 5 | 6 | 9 | Tejas.A |
| 2 | Ayare Vedant Sudhakar | 5 | 8 | 3 | 16 | 5 | 4 | 5 | 14 | 15 | Ved |
| 3 | Bamania Yash Naresh | 5 | 6 | 6 | 17 | 5 | 4 | 5 | 14 | 16 | Yash |
| 4 | Chauhan Kanchan Sajjan | 4 | 3 | 1 | 8 | 6 | 1 | 7 | 14 | 11 | Kanchan |
| 5 | Dhanwade Pooja Maruti | 4 | 6 | 5 | 15 | 6 | 7 | 6 | 19 | 17 | Dhanwade |
| 6 | Dogra Suraj Rajesh | 4 | 5 | 5 | 14 | 6 | 3 | 6 | 15 | 15 | Suraj |
| 7 | Dombhare Vaidehi C. | 4 | 8 | 5 | 17 | 4 | 4 | 4 | 12 | 15 | Vaidehi |
| 8 | Govare Kartik C. | 4 | 7 | 5 | 16 | 5 | 4 | 6 | 15 | 16 | Kartik |
| 9 | Jadhav Jay Santosh | 4 | 6 | 5 | 15 | 4 | 0 | 4 | 8 | 12 | Jadhav |
| 10 | Kamadi Rushikesh Suresh | 4 | 5 | 2 | 11 | 5 | 2 | 2 | 9 | 10 | Rushikesh |
| 11 | Kamble Swapnil Sunil | 4 | 8 | 6 | 18 | 6 | 4 | 5 | 15 | 17 | Swapnil |
| 12 | Khan Nazreen Imtiyaz | 4 | 8 | 6 | 18 | 6 | 6 | 5 | 17 | 18 | Nkhan |
| 13 | Mandal Manish Siyaram | 4 | 8 | 5 | 17 | 4 | 5 | 4 | 13 | 15 | Manish |
| 14 | Mhatre Hardik Kanhya | 5 | 4 | 3 | 12 | 5 | 3 | 4 | 12 | 12 | Hardik |
| 15 | Mishra Yogesh Naresh | 4 | 6 | 4 | 14 | 5 | 0 | 5 | 10 | 12 | Yogesh |
| 16 | Naik Raj Subhash | 5 | 5 | 0 | 10 | 2 | 1 | 7 | 10 | 10 | Raj |
| 17 | Pal Sachin Dayashankar | 5 | 5 | 3 | 13 | 5 | 4 | 7 | 16 | 15 | Sachin |
| 18 | Patil Kanchan Y. | 5 | 8 | 3 | 16 | 5 | 4 | 2 | 11 | 14 | Kanchan |
| 19 | Patil Manthan Ramakant | 2 | 3 | 3 | 8 | 3 | 4 | 1 | 8 | 8 | Manthan |



Sign. of Faculty



Vidyavardhini's College of Engineering & Technology
Department of Civil Engineering

Internal Assessment Marks

| Roll No. | Name of student | Internal Assessment | | | | | | | | | |
|----------|--------------------------|---------------------|-----|-----|-------|-----|-----|-----|-------|------|-------------|
| | | IA1 | | | | IA2 | | | | Avg. | Sign |
| | | CO1 | CO2 | CO3 | Total | CO4 | CO5 | CO6 | Total | | |
| | | 5 | 8 | 7 | 20 | | | | 20 | 20 | |
| 20 | Pawar Harshad Manohar | 5 | 7 | 5 | 17 | 5 | 6 | 3 | 14 | 16 | Harshad |
| 21 | Ringanekar Vidhita Vijay | 4 | 3 | 5 | 12 | 3 | 6 | 4 | 13 | 13 | Vidhita |
| 22 | Sankhe Manali Rajkumar | 4 | 6 | 4 | 14 | 5 | 3 | 7 | 15 | 15 | Manali |
| 23 | Verma Mohit Kumar | 5 | 6 | 4 | 15 | 6 | 3 | 6 | 15 | 15 | Mohit |
| 24 | Vipul Kumar | 4 | 6 | 5 | 15 | 5 | 3 | 5 | 13 | 14 | Vipul |
| 25 | Yadav Ujala Umesh | 5 | 8 | 7 | 20 | 5 | 7 | 7 | 19 | 20 | Ujala Yadav |
| 26 | Yadav Vaishnavi Pradeep | 4 | 8 | 4 | 16 | 5 | 6 | 6 | 17 | 17 | Vaishnavi |
| 27 | | | | | | | | | | | |
| 28 | | | | | | | | | | | |
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Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

Course File

| Sr.No. | Details of Document |
|--------|--|
| 01 | Syllabus |
| 02 | Course Outcome |
| 03 | Mapping of Course Outcomes with Program Outcomes |
| 04 | Target Levels/ Attainment |
| 05 | Lesson Plan |
| 06 | Innovative Practices in Teaching learning |
| 07 | ICT Tools used |
| 08 | University Question paper with solution |
| 09 | Internal Assessment paper with solution |
| 10 | Assignments with solution |
| 11 | Quiz paper with solution |
| 12 | Course Exit Survey |
| 13 | Notes and handouts |



| | | |
|---------------------|----------------------------|---------------|
| Course Code: | Course Title | Credit |
| CSC403 | Database Management System | 3 |

Prerequisite: Data Structures**Course Objectives:**

- 1 Develop entity relationship data model and its mapping to relational model
- 2 Learn relational algebra and Formulate SQL queries
- 3 Apply normalization techniques to normalize the database
- 4 Understand concept of transaction, concurrency control and recovery techniques.

Course Outcomes:

- 1 Recognize the need of database management system
- 2 Design ER and EER diagram for real life applications
- 3 Construct relational model and write relational algebra queries.
- 4 Formulate SQL queries
- 5 Apply the concept of normalization to relational database design.
- 6 Describe the concept of transaction, concurrency and recovery.

| Module | Content | Hrs |
|--------|---|-----|
| 1 | Introduction Database Concepts | 3 |
| | 1.1 Introduction, Characteristics of databases, File system v/s Database system, Data abstraction and data Independence, DBMS system architecture, Database Administrator | |
| 2 | Entity-Relationship Data Model | 6 |
| | 2.1 The Entity-Relationship (ER) Model: Entity types: Weak and strong entity sets, Entity sets, Types of Attributes, Keys, Relationship constraints: Cardinality and Participation, Extended Entity-Relationship (EER) Model: Generalization, Specialization and Aggregation | |
| 3 | Relational Model and relational Algebra | 8 |
| | 3.1 Introduction to the Relational Model, relational schema and concept of keys. Mapping the ER and EER Model to the Relational Model, Relational Algebra-operators, Relational Algebra Queries. | |
| 4 | Structured Query Language (SQL) | 6 |
| | 4.1 Overview of SQL, Data Definition Commands, Integrity constraints: key constraints, Domain Constraints, Referential integrity, check constraints, Data Manipulation commands, Data Control commands, Set and string operations, aggregate function-group by, having, Views in SQL, joins, Nested and complex queries, Triggers | |
| 5 | Relational-Database Design | 6 |
| | 5.1 Pitfalls in Relational-Database designs, Concept of normalization, Function Dependencies, First Normal Form, 2NF, 3NF, BCNF. | |
| 6 | Transactions Management and Concurrency and Recovery | 10 |
| | 6.1 Transaction concept, Transaction states, ACID properties, Transaction Control Commands, Concurrent Executions, Serializability-Conflict and View, Concurrency Control: Lock-based, Timestamp-based protocols, Recovery System: Log based recovery, Deadlock handling | |

| Textbooks: | |
|--------------------|--|
| 1 | Korth, Silberchatz, Sudarshan, Database System Concepts, 6 th Edition, McGraw Hill |
| 2 | Elmasri and Navathe, Fundamentals of Database Systems, 5 th Edition, Pearson Education |
| 3 | Raghu Ramkrishnan and Johannes Gehrke, Database Management Systems, TMH |
| References: | |
| 1 | Peter Rob and Carlos Coronel, Database Systems Design, Implementation and Management, Thomson Learning, 5 th Edition. |
| 2 | Dr. P.S. Deshpande, SQL and PL/SQL for Oracle 10g, Black Book, Dreamtech Press. |
| 3 | G. K. Gupta, Database Management Systems, McGraw Hill, 2012 |

| Assessment: | |
|---|---|
| Internal Assessment: | |
| Assessment consists of two class tests of 20 marks each. The first class test is to be conducted when approx. 40% syllabus is completed and second class test when additional 40% syllabus is completed. Duration of each test shall be one hour. | |
| End Semester Theory Examination: | |
| 1 | Question paper will comprise of total six questions. |
| 2 | All question carries equal marks |
| 3 | Questions will be mixed in nature (for example supposed Q.2 has part (a) from module 3 then part (b) will be from any module other than module 3) |
| 4 | Only Four question need to be solved. |
| 5 | In question paper weightage of each module will be proportional to number of respective lecture hours as mention in the syllabus. |

| Useful Links | |
|---------------------|---|
| 1 | https://nptel.ac.in/courses/106/105/106105175/ |
| 2 | https://swayam.gov.in/nd1_noc19_cs46/preview |
| 3 | https://www.classcentral.com/course/swayam-database-management-system-9914 |
| 4 | https://www.mooc-list.com/tags/dbms |



Course Objectives

| | |
|---|---|
| 1 | To understand Database concepts and Relational Model |
| 2 | To develop data modelling using entity-relationship diagram |
| 3 | To learn relational Algebra concepts and solve queries |
| 4 | To Formulate SQL queries for a given schema. |
| 5 | To learn normalization techniques and understand integrity, security, relational database design. |
| 6 | To understand concept of transaction, concurrency and recovery techniques. |

Course Outcomes

| At the end of the course student will be able to: | | PO/PSO | Bloom Level |
|---|--|--------------------|------------------|
| CSC403.1 | Identify characteristics of database management system. | Identify | Apply (Level 3) |
| CSC403.2 | Design ER/EER diagram for given case study. | Design | Create (Level 6) |
| CSC403.3 | Construct relational model and apply relational algebra queries for a given problem. | Construct Apply | Apply (Level 3) |



Vidyavardhini's College of Engineering & Technology
Department of Computer Engineering

| | | | |
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| CSC403.4 | Apply SQL queries for a given schema. | Apply | Apply (Level 3) |
| CSC403.5 | Apply normalization techniques to relational database design. | Apply | Apply (Level 3) |
| CSC403.6 | Use transaction, concurrency and recovery techniques to analyze conflicts in multiple transactions. | Use | Apply (Level 3) |



Mapping of Course Modules with Course Outcomes

| Course Modules | Course Outcomes | | | | | |
|--|-----------------|----------|----------|----------|----------|----------|
| | CSC403.1 | CSC403.2 | CSC403.3 | CSC403.4 | CSC403.5 | CSC403.6 |
| Introduction Database Concepts | 3 | | | | | |
| Entity-Relationship Data Model | | 3 | | | | |
| Relational Model and relational Algebra | | | 3 | | | |
| Structured Query Language (SQL) | | | | 3 | | |
| Relational-Database Design | | | | | 3 | |
| Transactions Management and Concurrency and Recovery | | | | | | 3 |

Enter correlation level 1, 2 or 3 as defined below

1: Slight (Low) 2: Moderate (Medium)

3: Substantial (High)

If there is no correlation put “—”.



Mapping of Course Outcomes with Program Outcomes and
Program Specific Outcomes

mapp
with

| CO/PO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
|---------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| CSC403.1 | 3 | 2 | 1 | | | 1 | 1 | 1 | 1 | 1 | | 1 | 3 | 2 |
| CSC403.2 | 2 | 2 | 3 | | 1 | 2 | 1 | 2 | 2 | 2 | | 2 | 3 | 2 |
| CSC403.3 | 3 | 1 | 2 | | | 2 | 1 | 1 | 1 | 1 | | 1 | 3 | 2 |
| CSC403.4 | 3 | 1 | 2 | | 3 | 2 | 1 | 1 | 1 | 1 | | 1 | 3 | 2 |
| CSC403.5 | 3 | 2 | 1 | | | 2 | 1 | 1 | 1 | 1 | | 1 | 3 | 2 |
| CSC403.6 | 3 | 2 | 2 | | | | | 1 | 1 | 1 | | 1 | 3 | 2 |
| Average | 2.83 | 1.67 | 1.83 | | 2.00 | 1.80 | 1.00 | 1.17 | 1.17 | 1.17 | | 1.17 | 3.00 | 2.00 |
| Round Average | 3 | 2 | 2 | | 2 | 2 | 1 | 1 | 1 | 1 | | 1 | 3 | 2 |

Enter correlation level 1, 2 or 3 as defined below

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation put "—".

Curriculum Gaps Identified

| Sr. No. | Course Title | Gap in the syllabus | Proposed Action |
|---------|-----------------------|--|---|
| 1 | Database connectivity | Database connectivity is not covered in syllabus | Expert lecture is conducted to show database connectivity |
| | | | |
| | | | |



Vidyavardhini's College of Engineering & Technology
Department of Computer Engineering

Attainment of Course Outcomes:

| CO | Target Set | Actual Attainment | CO Attainment Achieved (Y or N) |
|--|------------|-------------------|---------------------------------|
| CSC403.1 | 1.8 | 2.90 | Y |
| CSC403.2 | 1.8 | 2.85 | Y |
| CSC403.3 | 1.8 | 2.80 | Y |
| CSC403.4 | 1.8 | 2.80 | Y |
| CSC403.5 | 1.8 | 2.90 | Y |
| CSC403.6 | 1.8 | 2.80 | Y |
| Overall CO Attainment of the Course | | | 2.84 |

Attainment of POs and PSOs:

| | Program Outcome | | | | | | | | | | | | | |
|---------------------------|-----------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| PO/PSO Attainment | 2.83 | 1.67 | 1.83 | | 2.00 | 1.80 | 1.00 | 1.17 | 1.17 | 1.17 | | 1.17 | 3.00 | 2.00 |
| Rounded PO/PSO Attainment | 3 | 2 | 2 | | 2 | 2 | 1 | 1 | 1 | 1 | | 1 | 3 | 2 |
| Actual PO/PSO Attainment | 2.68 | 1.58 | 1.73 | | 1.88 | 1.71 | 0.95 | 1.11 | 1.11 | 1.11 | | 1.11 | 2.84 | 1.89 |

Sign. of Faculty



Attainment of Course Outcomes:

| CO | Target Set | Actual Attainment | CO Attainment Achieved (Y or N) |
|--|------------|-------------------|---------------------------------|
| CSC403.1 | 2.6 | 2.80 | Y |
| CSC403.2 | 2.6 | 2.80 | Y |
| CSC403.3 | 2.6 | 2.90 | Y |
| CSC403.4 | 2.6 | 2.90 | Y |
| CSC403.5 | 2.6 | 2.90 | Y |
| CSC403.6 | 2.6 | 2.80 | Y |
| Overall CO Attainment of the Course | | | 2.85 |

Attainment of POs and PSOs:

| | Program Outcome | | | | | | | | | | | | | |
|---------------------------|-----------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 | PSO 2 |
| PO/PSO Attainment | 2.83 | 1.67 | 1.83 | | 2.00 | 1.80 | 1.00 | 1.17 | 1.17 | 1.17 | | 1.17 | 3.00 | 2.00 |
| Rounded PO/PSO Attainment | 3 | 2 | 2 | | 2 | 2 | 1 | 1 | 1 | 1 | | 1 | 3 | 2 |
| Actual PO/PSO Attainment | 2.69 | 1.58 | 1.74 | | 1.92 | 1.72 | 0.95 | 1.11 | 1.11 | 1.11 | | 1.11 | 2.85 | 1.90 |

Jawahar

Sign. of Faculty



Vidyavardhini's College of Engineering and Technology
Department of Computer Engineering
Academic Year : 2021-22 (Even Sem)

LESSON PLAN

Subject: Database Management System (CSC403)
Year/Sem: SE / IV

| Lect No. | Topic | Date | MCD | AM |
|--|---|--------------|----------|-------------|
| | | Planned date | | |
| Pre-requisites | | | | |
| 1 | Basic knowledge of Data structure. Syllabus | 10/01/2022 | 2 | |
| Module – 1 Introduction Database Concepts | | | | |
| 1 | Introduction, Characteristics of databases | 10/01/22 | 2,12 | 1,2,4,6,8 |
| 2 | File system v/s Database system, Data abstraction | 13/01/2022 | 2,12 | 1,2,4,6,8 |
| 3 | DBMS system architecture | 17/01/2022 | 2,12 | 1,2,4,6,8 |
| 4 | Database Administrator | 20/01/2022 | 2,12 | 1,2,4,6,8 |
| Module – 2 Entity–Relationship Data Model | | | | |
| 5 | The Entity-Relationship (ER) Model: Entity types : Weak and strong entity sets, Entity sets | 21/01/2022 | 2,7,9,12 | 1,2,4,6,7,8 |
| 6 | Types of Attributes | 24/01/2022 | 2,7,9,12 | 1,2,4,6,7,8 |

| | | | | |
|---|---|------------|---------------|-------------|
| 6 | Keys, Relationship constraints : Cardinality and Participation | 24/01/2022 | 2,7,9,12 | 1,2,4,6,7,8 |
| 6 | Solving case study | 24/01/2022 | 2,3,7,9,11,12 | 1,2,4,6,7,8 |
| 7 | Extended Entity-Relationship (EER) Model : Generalization, Specialization and Aggregation | 27/01/2022 | 2,7,12 | 1,2,4,6,8 |
| 7 | Solving case study | 27/01/2022 | 2,3,7,11,12 | 1,2,4,6,8 |

Module – 3 Relational Model and relational Algebra

| | | | | |
|----|---|------------|-------------|-----------|
| 8 | Introduction to the Relational Model, relational schema and concept of keys. | 28/01/2022 | 2,12 | 1,2,4,6,8 |
| 9 | Mapping the ER and EER Model to the Relational Model (Rules) | 31/01/2022 | 2,7,11,12 | 1,2,4,6,8 |
| 10 | Mapping the ER and EER Model to the Relational Model (Case study) | 03/02/2022 | 2,3,7,11,12 | 1,2,4,6,8 |
| 11 | Relational Algebra , unary operations, set operations | 04/02/2022 | 2,12 | 1,2,4,6,8 |
| 12 | Relational Algebra Queries | 07/02/2022 | 2,11,12 | 1,2,4,6,8 |

| | | | | |
|----|----------------------------|------------|---------|-----------|
| 13 | Relational Algebra Queries | 10/02/2022 | 2,11,12 | 1,2,4,6,8 |
| 14 | Database connectivity | 11/02/2022 | 2,5,9 | 8 |

Module – 4 Structured Query Language (SQL)

| | | | | |
|----|--|------------|-------------|-------------|
| 15 | Overview of SQL, Data Definition Commands | 14/02/2022 | 2,7,11,12 | 1,2,5,6,8 |
| 16 | Integrity constraints :- key constraints, Domain Constraints, Referential integrity, check Constraints | 17/02/2022 | 2,7,9,11,12 | 1,2,5,6,7,8 |
| 17 | Data Manipulation commands, Data Control commands, Transaction Control Commands. | 18/02/2022 | 2/12 | 1,2,5,6,7,8 |
| 18 | Set and string operations, | 24/02/2022 | 2,7,9,11,12 | 1,2,5,6,7,8 |
| 19 | Aggregate function - group by, having. Solving sql queries | 25/02/2022 | 2,7,11,12 | 1,2,5,6,8 |
| 20 | Views in SQL, joins | 28/02/2022 | 2,7,11,12 | 1,2,5,6,8 |
| 21 | Nested and complex queries | 03/03/2022 | 2,7,11,12 | 1,2,5,6,8 |
| 22 | Triggers | 04/03/2022 | 2,7,11,12 | 1,2,5,6,8 |

Module – 5 Relational–Database Design

| | | | | |
|----|---|-----------|------|-----------|
| 23 | Pitfalls in Relational - Database designs | 7/03/2022 | 2,12 | 1,2,5,6,8 |
|----|---|-----------|------|-----------|

| | | | | |
|----|-------------------------------------|------------|---------|-----------|
| 24 | Concept of normalization | 10/03/2022 | 2,12 | 1,2,5,6,8 |
| 25 | Function Dependencies | 11/03/2022 | 2,12 | 1,2,5,6,8 |
| 26 | First Normal Form, 2nd | 14/03/2022 | 2,11,12 | 1,2,5,6,8 |
| 27 | 3rd Normal form with examples, BCNF | 17/03/2022 | 2,12 | 1,2,5,6,8 |

5tModule – 6 Transactions Management and Concurrency and Recovery

| | | | | |
|----|---|------------|---------|-----------|
| 28 | Transaction concept, Transaction states, ACID properties, Concurrent Executions | 21/03/2022 | 2,7,12 | 1,2,5,6,8 |
| 29 | Serializability –Conflict and View, Concurrency Control: Lock-based | 24/03/2022 | 2,11,12 | 1,2,5,6,8 |
| 30 | Timestamp-based protocols | 25/03/2022 | 2,12 | 1,2,5,6,8 |
| 31 | Recovery System: Failure Classification | 28/03/2022 | 2,7,12 | 1,2,5,6,8 |
| 32 | Log based recovery | 31/03/2022 | 2,12 | 1,2,5,6,8 |
| 33 | Deadlock handling | 01/04/2022 | 2,12 | 1,2,5,6,8 |
| 34 | Revision | 04/04/2022 | 2 | |

| | | | | |
|----|----------|------------|---|--|
| 35 | Revision | 05/04/2022 | 2 | |
|----|----------|------------|---|--|

| Sr. No | Mode of Content Delivery (MCD) | Assessment Method (AM) |
|--------|--------------------------------|------------------------|
| 1 | Chalk and Talk | Assignments |
| 2 | ICT Tools/ Use of Modern Tools | Quiz/Surprise Test |
| 3 | Seminar/Case Studies | Tutorials |
| 4 | Workshops | Internal Assessment 1 |
| 5 | Expert Lecture | Internal Assessment 2 |
| 6 | Design Exercise | Viva Exams |
| 7 | Practical | Seminars/Presentations |
| 8 | Tutorials | End semester Exams |
| 9 | Mini-Project | Case study |
| 10 | Field Work | |
| 11 | Solving Problems | |
| 12 | Assignments | |
| 13 | Any other : Industrial Visit | |
| 14 | Any other : Simulation | |



Vidyavardhini's College of Engineering & Technology
Department of Computer Engineering

Academic Year 2022-23

Innovation/Creativity in Teaching & Learning Activity

Class: SE/IV

Date of Conduction: 23/03/2023

Course Name: Database Management System

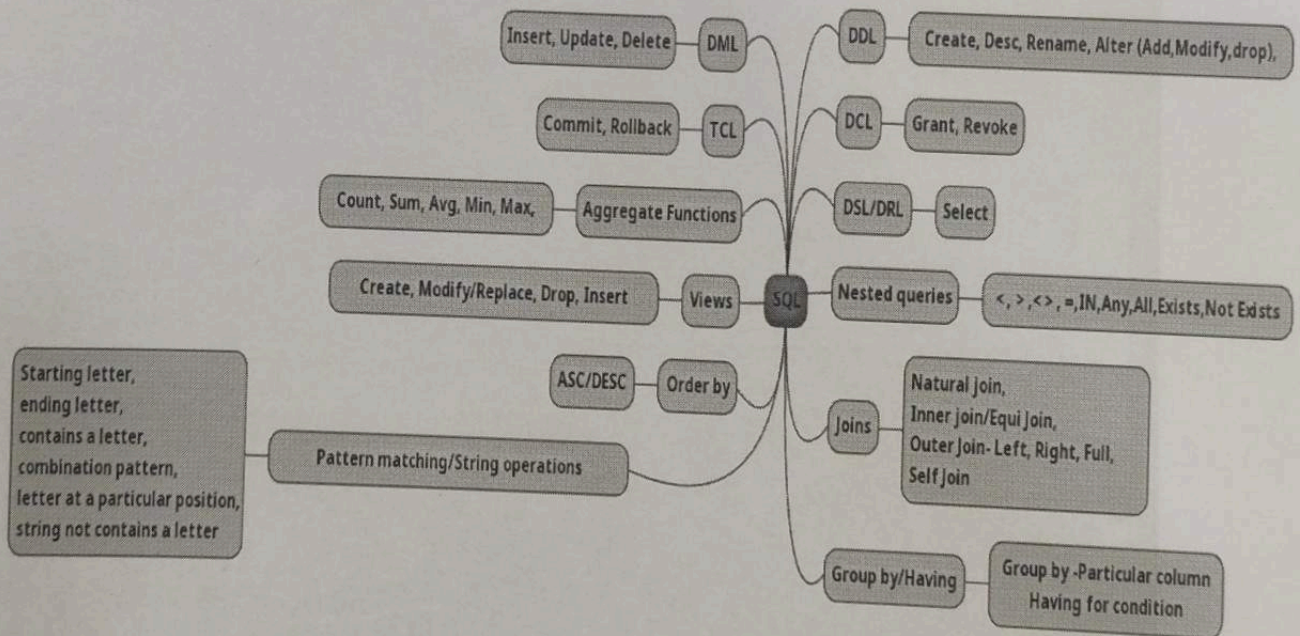
Course Code: CSC403

Activity: Mind Map

Objective: used to explore a topic, or generate ideas, in a non-linear fashion

Method: Mind mapping is simply a diagram used to visually represent or outline information. It is a powerful graphic technique you can use to translate what's in your mind into a visual picture. Since mind mapping works like the brain does it allows you to organize and understand information faster and better

1. The url was shared with students to draw mindmap
2. Students shared the topics and commands used in SQL
3. According to it the mindmap was created online.



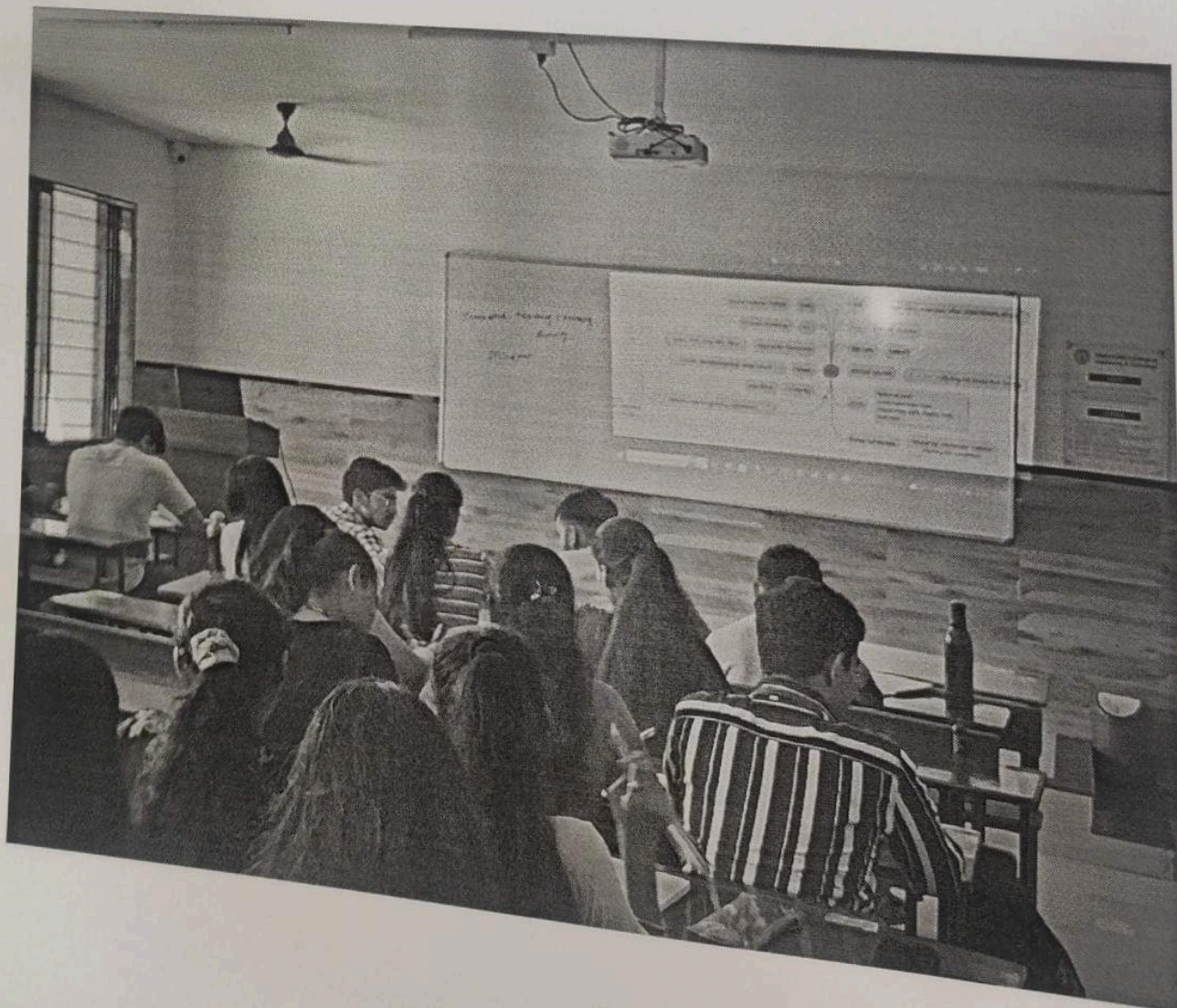


Vidyavardhini's College of Engineering & Technology
Department of Computer Engineering

Resource used: <https://www.mindmeister.com/>

Outcome: The activity encouraged participation of students. Mind Maps help students to note down only the most important information using key words, and then make connections between facts and ideas visually – keeping all of your topic thoughts together on one sheet. This makes note making easier for students, as it reduces pages of notes into one single side of paper.

Mrs. Smita Jawale





Vidyavardhini's College of Engineering & Technology
Department of Computer Engineering
Academic Year 2020-21

ICT Activities

Subject: Database Management System [CSC403]

Class: SE/IV

Google Classroom Link: <https://classroom.google.com/u/1/c/MjYyMzQ3Mzk4NDc2>

Google Classroom Code: fhrrh4a

SE/SEM-IV/2020-21
DBMS/[CSC403]
Class code fhrrh4a
Meet link <https://meet.google.com/lookup/edezx4orc>

DBMS

Upcoming
No items due soon
View all

announce something to your class

computer vcet posted a new material: IA-2 marks
May 26 (Edited May 26)

computer vcet
May 17
Dear students
Link

Type here to search

Address

10:39 PM
7/19/2021

Smita
Mrs. Smita Jawale

Univ paper
with solⁿ

(3 Hours)

Total Marks:80

- N.B.
- (1) Question No 1 is Compulsory.
 - (2) Attempt any three questions out of the remaining five.
 - (3) All questions carry equal marks.
 - (4) Assume suitable data, if required and state it clearly.

- 1.. Attempt any FOUR 20
- (a) Explain Strong Entity with example.
 - (b) Explain ACID properties in Transaction Management
 - (c) Explain Aggregate functions used in SQL
 - (d) Explain benefits of DBMS system over File systems
 - (e) Explain Database Recovery Management
2. (a) What is the importance of Data model? Explain different types of data models 10
- (b) Draw the Database System Architecture and explain in brief. 10
3. (a) Explain 1NF, 2NF, 3NF and BCNF with a suitable example 10
- (b) Explain the following terms with the help of relational algebra examples: 10
- 1) Rename 2) Set union 3) Projection 4) Selection
4. (a) Explain different types of Integrity constraints with examples. 10
- (b) Explain the need of trigger with example. 10
5. (a) Draw ER diagram for online shopping cart system and convert ER diagram into tables 10
- (b) Solve the SQL queries for the schema mentioned below: 10
- Employee(eid, ename, address, city)
Works(eid, cid, salary, year)
Company(cid, cname, city)
- 1) Modify database so that Mohit now lives in Mumbai, assuming the database entry has Mohit staying in Delhi.
 - 2) Find Employees who live in same city as the company for which they work.
 - 3) Give all employees of "AVZ Corporation" whose salary has increased by 15% in the year 2020-21.
 - 4) Write a query to display salary of all employees greater than the average salary of the employees
 - 5) Insert the values in Employee schema
6. Write a short note on 20

1. (a) Explain Strong Entity with example.

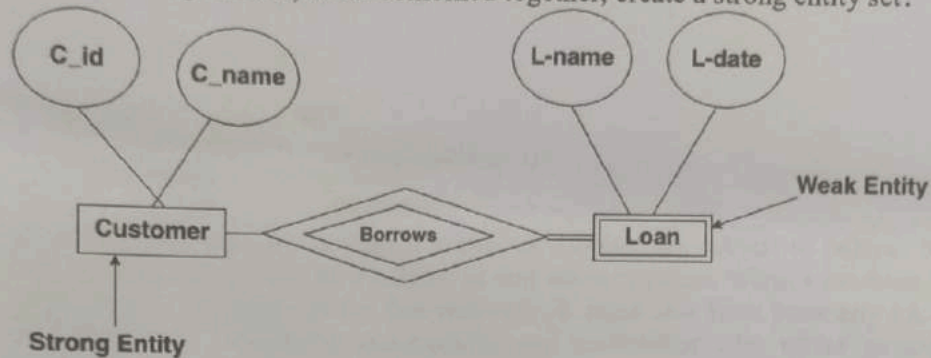
05

Ans:

Strong Entity:

A strong entity is not dependent on any other entity in the schema. A strong entity will always have a primary key. Strong entities are represented by a single rectangle. The relationship of two strong entities is represented by a single diamond.

Various strong entities, when combined together, create a strong entity set.



- (b) Explain ACID properties in Transaction Management

05

Ans:

Atomicity
Consistency
Isolation
Durability

- (c) Explain Aggregate functions used in SQL
MIN,MAX,COUNT,SUM,AVG
- (d) Explain benefits of DBMS system over File systems

05

05

1. Introduction

i. In a typical file processing system, each and every subsystem of the information system will have its own set of files.

ii. The typical file-oriented system is supported by a conventional operating system. Permanent records are stored in various files and a number of different application programs are written to extract records from and add records to the appropriate files.

iii. Disadvantages of file system include:

- Data redundancy and inconsistency
- Difficulty in accessing data
- Concurrent access anomalies

- Immediate update
 - Shadow paging
 - Backward Recovery
- Forward Recovery

2. (a) What is the importance of Data model? Explain different types of data models

10

ANS
Data Model gives us an idea that how the final system will look like after its complete implementation. It defines the data elements and the relationships between the data elements. Data Models are used to show how data is stored, connected, accessed and updated in the database management system.

1. Hierarchical Model
2. Network Model
3. Entity-Relationship Model
4. Relational Model
5. Object-Oriented Data Model
6. Object-Relational Data Mode

(b) Draw the Database System Architecture and explain in brief.

10

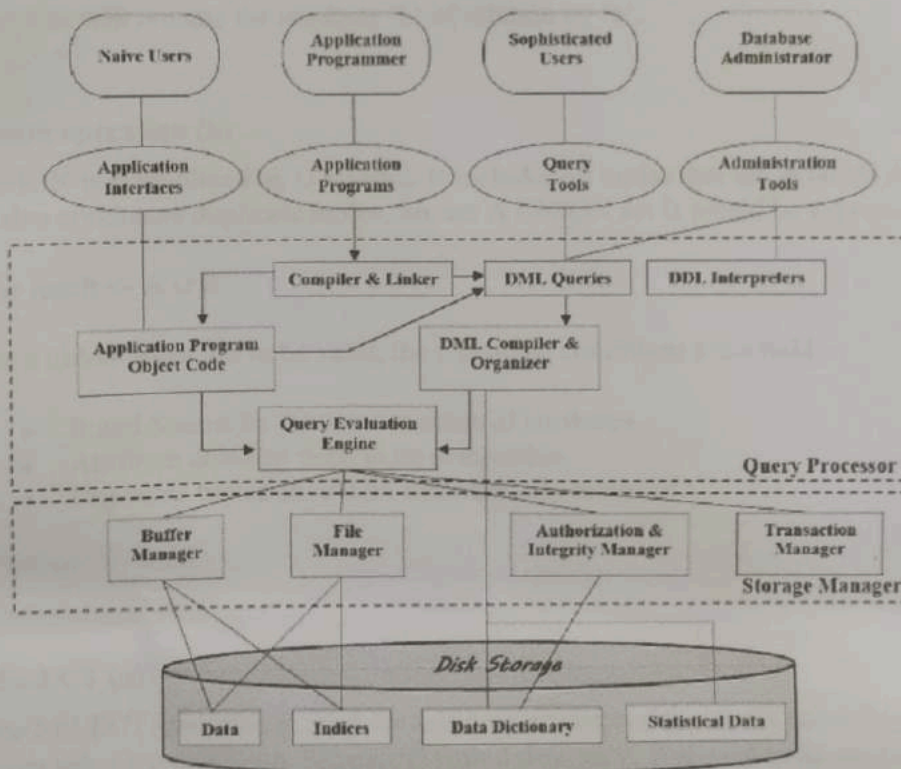


Figure: System Architecture



Vidyavardhini's College of Engineering and Technology
Department of Computer Engineering
Academic Year : 2022-23 (Even Sem)

Internal Assessment - 1

Code/Sub: CSC403/Database Management System Year/Sem: SE/IV Date: 03/03/2023

Max. Marks: 20

Duration: 1Hr

N.B.: Assume suitable Data if Necessary.

Course Outcomes:

1. CSC403.1: Identify characteristics of database management system.
2. CSC403.2: Design ER/EER diagram for a given case study.
3. CSC403.3: Construct relational model and apply relational algebra queries for a given Schema.

| Q.No. | Questions | Marks | CO | BL |
|-------|--|-------|-----|---------|
| 1 | A. Attempt following question.(02 marks) i) Identify various types of database Users required for Airline Reservation System | 2M | CO1 | Apply |
| | B. Attempt any 1 questions out of 2 (04 marks each) a) Compare File systems and DBMS systems on basis of Data redundancy, consistency, data sharing, security, concurrency. | 4M | CO1 | Analyze |
| | OR b) If you are HR for IBM company and taking interview for Database Administrator post then identify what skills will be required for DBA and what responsibilities will be performed by DBA? | 4M | CO1 | Apply |
| 2 | A. Attempt following question.(03 marks) a) Construct an ER diagram including following terms for Library Management system | | CO2 | Create |
| | i) Composite attribute | 1M | | |
| | ii) Multivalued attribute | 1M | | |
| | iii) discriminator Key attribute | 1M | | |



| | B. Attempt any 1 questions out of 2 (04 marks each) a) Design ER diagram including attribute, relationship and cardinality for Travel Agency system. OR | 4M | CO2 | Create | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|--------|-------|--------|-----|---|-------|----|----|---|---------|----|----|---|------------|----|----|-----|-------|----|----------|----|------------|----|----------|-----|-------|-----|---|--------|----|---|-----|----|---|--------|----|-----|-------|----|------|----|-----------|----|----|----|-----|---|
| | b) Design EER diagram including attribute, relationship and cardinality for Payroll Management system. | 4M | CO2 | Create | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | A. Attempt following question.(03 marks) i) Derive various symbols used for following operations in Relational algebra with some examples. Consider Schema as Sailors <table border="1"><thead><tr><th>Sid</th><th>sname</th><th>rating</th><th>age</th></tr></thead><tbody><tr><td>1</td><td>Mohit</td><td>10</td><td>18</td></tr><tr><td>2</td><td>Sarvesh</td><td>30</td><td>21</td></tr><tr><td>3</td><td>Prathamesh</td><td>50</td><td>22</td></tr></tbody></table> Boat <table border="1"><thead><tr><th>Bid</th><th>Bname</th></tr></thead><tbody><tr><td>10</td><td>Cordelia</td></tr><tr><td>30</td><td>Queen Ride</td></tr><tr><td>40</td><td>Waveride</td></tr></tbody></table> a) Cartesian product ii) Apply Right outer join on following database table EMP <table border="1"><thead><tr><th>Eid</th><th>Ename</th><th>Did</th></tr></thead><tbody><tr><td>1</td><td>Pratik</td><td>10</td></tr><tr><td>2</td><td>Jay</td><td>30</td></tr><tr><td>3</td><td>Vishal</td><td>50</td></tr></tbody></table> DEPT <table border="1"><thead><tr><th>Did</th><th>Dname</th></tr></thead><tbody><tr><td>10</td><td>Code</td></tr><tr><td>30</td><td>Developer</td></tr><tr><td>40</td><td>HR</td></tr></tbody></table> | Sid | sname | rating | age | 1 | Mohit | 10 | 18 | 2 | Sarvesh | 30 | 21 | 3 | Prathamesh | 50 | 22 | Bid | Bname | 10 | Cordelia | 30 | Queen Ride | 40 | Waveride | Eid | Ename | Did | 1 | Pratik | 10 | 2 | Jay | 30 | 3 | Vishal | 50 | Did | Dname | 10 | Code | 30 | Developer | 40 | HR | 2M | CO3 | A |
| Sid | sname | rating | age | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Mohit | 10 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Sarvesh | 30 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Prathamesh | 50 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bid | Bname | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Cordelia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Queen Ride | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | Waveride | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eid | Ename | Did | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Pratik | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Jay | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Vishal | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Did | Dname | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | Developer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | HR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Vidyavardhini's College of Engineering and Technology
Department of Computer Engineering
Academic Year : 2022-23 (Even Sem)

| | | | |
|---|----|-----|-------|
| <p>B. Attempt any 1 questions out of 2 (04 marks each)</p> <p>a) Consider following schema and solve queries in RA.</p> <p>student(id, name)</p> <p>enrolledIn(id, code)</p> <p>subject(code, lecturer)</p> <ol style="list-style-type: none">1. What are the names of students enrolled in cs3020?2. Which subjects is Hector taking?3. Who teaches cs1500?4. Who teaches cs1500 or cs3020? | 4M | CO3 | Apply |
| <p>OR</p> <p>b) Apply mapping rules with example how EER diagram can be converted to Relational model for an Art Museum Management System</p> | 4M | CO3 | Apply |



Vidyavardhini's College of Engineering and Technology
Department of Computer Engineering
Academic Year : 2022-23 (Even Sem)

Internal Assessment - 1

Code/Sub: CSC403/Database Management System Year/Sem: SE/IV Date: 03/03/2023

Max. Marks: 20

Duration: 1Hr

| Q.No. | Solution | Marks |
|-------|---|-------|
| 1 | <p>A. Attempt following question.(02 marks)</p> <p>i) Identify various types of Database Users required for Airline Reservation System</p> <p>Database Users Database users are the one who really use and take the benefits of database. There will be different types of users depending on their need and way of accessing the database.</p> <p>1. Application Programmers – They are the developers who interact with the database by means of DML queries. These DML queries are written in the application programs like C, C++, JAVA, Pascal etc. These queries are converted into object code to communicate with the database. For example, writing a C program to generate the report of employees who are working in particular department will involve a query to fetch the data from database. It will include a embedded SQL query in the C Program.</p> <p>2. Sophisticated Users – They are database developers, who write SQL queries to select/insert/delete/update data. They do not use any application or programs to request the database. They directly interact with the database by means of query language like SQL. These users will be scientists, engineers, analysts who thoroughly study SQL and DBMS to apply the concepts in their requirement. In short, we can say this category includes designers and developers of DBMS and SQL.</p> <p>3. Specialized Users – These are also sophisticated users, but they write special database application programs. They are the developers who develop the complex programs to the requirement.</p> <p>4. Stand-alone Users – These users will have stand –alone database for their personal use. These kinds of database will have readymade database packages which will have menus and graphical interfaces.</p> | 2M |



5. **Naive Users** – these are the users who use the existing application to interact with the database. For example, online library system, ticket booking systems, ATMs etc which has existing application and users use them to interact with the database to fulfill their requests

B. Attempt any 1 questions out of 2 (04 marks each)

a) Identify various types of data models required for Library Management System

4M

1. **Hierarchical Data model:** In this type of data model, the data is organized into a tree-like structure that has a single root and the data is linked to the root. In this model, the main hierarchy begins from the root and it expands like a tree that has child nodes and further expands in the same manner. In this model the child node has on;e single parent node but one parent can have multiple child nodes. As the data is stored like tree structure in this data model when data is retrieved the whole tree is traversed from the root node. The hierarchical data model contains a one-to-many relationship between various types of data.

2. **Network Data model:** The network model is a type of database model which is designed based on a flexible approach for representing objects and the relationship exist among objects. The schema is very important in the network data model which can be represented in the form of a graph where a relationship is represented using edges and the nodes are used to represent objects.

3. **ER data model:** The ER model is used to describe the database structure using the entity-relationship diagram. The E-R model is just like the blueprint of a database which is used to implement the database. In the entity set, the relationship exists which can be shown using the ER diagram. The entity set consists of a similar type of entities that consist of attributes.

4. **Relational Data model:** In this data model, the data tables are used to collect a group of elements into the relations. In this model, the relationships and data are represented using interrelated tables. And in the table, there are multiple rows and multiple columns in which column represent the attribute of the entity and the rows are used to represent records.



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| | | |
|----|---|----|
| OR | | |
| | <p>b) If you are HR for IBM company and taking interview for Database Administrator post then identify what skills will be required for DBA and what responsibilities will be performed by DBA?</p> <p>Key skills for database administrators</p> <ol style="list-style-type: none">1. Patience2. Meticulous attention to detail3. A logical approach to work4. The ability to prioritise tasks5. Problem-solving skills6. Good organisational skills7. Communication and interpersonal skills8. Familiarity with computer operating systems and database technology (design, software and structure) <p>Responsibilities:</p> <ol style="list-style-type: none">1. Creating and maintaining database standards and policies2. Supporting database design, creation, and testing activities3. Managing the database availability and performance, including incident and problem management4. Administering database objects to achieve optimum utilization5. Defining and implementing event triggers that will alert on potential database performance or integrity issues6. Performing database housekeeping, such as tuning, indexing, etc.7. Monitoring usage, transaction volumes, response times, concurrency levels, etc.8. Identifying reporting, and managing database security issues, audit trails, and forensics9. Designing database backup, archiving, and storage strategy | 4M |



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Assignment - 1

Sub.: CSC403/Database Management System

Year/Sem.: SE/ IV Date: 01/02/2023

Submission Date: 4/02/2023

Course Outcomes:

1. CSC403.1 : Identify characteristics of database management system

| Q.No. | Question | Bloom Level |
|-------|---|-------------|
| Q1 | Identify various types of database users with real world examples. | Apply |
| Q2 | If your company required DBA then Identify Skills required for DBA and responsibilities performed by DBA? | Apply |



Assignment - 1

Sub.: CSC403/Database Management System

Year/Sem.: SE/ IV

| Q.No. | Solution |
|-------|--|
| Q1 | <p data-bbox="287 645 1133 683">Identify various types of database users with real world examples.</p> <p data-bbox="287 712 1364 828">Database Users Database users are the one who really use and take the benefits of database. There will be different types of users depending on their need and way of accessing the database.</p> <ol data-bbox="287 862 1372 1848" style="list-style-type: none"><li data-bbox="287 862 1372 1108">1. Application Programmers – They are the developers who interact with the database by means of DML queries. These DML queries are written in the application programs like C, C++, JAVA, Pascal etc. These queries are converted into object code to communicate with the database. For example, writing a C program to generate the report of employees who are working in particular department will involve a query to fetch the data from database. It will include a embedded SQL query in the C Program.<li data-bbox="287 1142 1372 1400">2. Sophisticated Users – They are database developers, who write SQL queries to select/insert/delete/update data. They do not use any application or programs to request the database. They directly interact with the database by means of query language like SQL. These users will be scientists, engineers, analysts who thoroughly study SQL and DBMS to apply the concepts in their requirement. In short, we can say this category includes designers and developers of DBMS and SQL.<li data-bbox="287 1433 1372 1556">3. Specialized Users – These are also sophisticated users, but they write special database application programs. They are the developers who develop the complex programs to the requirement.<li data-bbox="287 1590 1372 1702">4. Stand-alone Users – These users will have stand –alone database for their personal use. These kinds of database will have readymade database packages which will have menus and graphical interfaces.<li data-bbox="287 1713 1372 1848">5. Naive Users – these are the users who use the existing application to interact with the database. For example, online library system, ticket booking systems, ATMs etc which has existing application and users use them to interact with the database to fulfill their requests. <p data-bbox="287 1859 1356 1892">Above users are required for reservation system, all kinds of management system</p> |



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Q2

If your company required DBA then Identify Skills required for DBA and responsibilities performed by DBA?

Skills required for DBA

- Knowledge of database queries
- Knowledge of database theory
- Knowledge of database design
- Knowledge about the RDBMS itself, e.g. Microsoft SQL Server or MySQL
- Knowledge of structured query language (SQL), e.g. SQL/PSM or Transact-SQL
- General understanding of distributed computing architectures, e.g. Client-server model
- General understanding of operating system, e.g. Windows or Linux
- General understanding of storage technologies and networking
- General understanding of routine maintenance, recovery, and handling failover of a database

Responsibilities performed by DBA.

1. Creating and maintaining database standards and policies
2. Supporting database design, creation, and testing activities
3. Managing the database availability and performance, including incident and problem management
4. Administering database objects to achieve optimum utilization.
5. Defining and implementing event triggers that will alert on potential database performance or integrity issues.
6. Performing database housekeeping, such as tuning, indexing, etc.
7. Monitoring usage, transaction volumes, response times, concurrency levels, etc.
8. Identifying reporting, and managing database security issues, audit trails, and forensics
9. Designing database backup, archiving, and storage strategy

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Quiz 1

| Sr. No. | Question (*) | Option 1 | Option 2 | Option 3 | Option 4 |
|---------|--|------------------------------------|---------------------------------------|--------------------------------|----------------------------------|
| 1 | The ability to query data, as well as insert, delete, and alter tuples, apply which language can be used to all these operations | TCL (Transaction Control Language) | DCL (Data Control Language) | DDL (Data Definition Language) | DML (Data Manipulation Language) |
| 2 | the values in the relation teaches? | Delete from teaches; | Delete from teaches where Id ='Null'; | Remove table teaches; | Drop table teaches; |
| 3 | Identify skills required for database administrator | Integrity | knowledge of database design | backup | hierarchical model |
| 4 | Farmer goes to ATM Center to withdraw an amount of Rs.300/-. Which type of user farmer is ? | Application Programmer | Unsophisticated User | sophisticated User | Specialized User |
| 5 | to understand the complete database schema written by him Person B knows the database Schema and he is able to hit complex queries. Unlike Person B, Person C does not use traditional database processing frameworks. Who among the 4 user will be called as Sophisticated User. | Person A | Person D | Person B | Person C |



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Course Exit Survey

Sub.: CSC403 /Database Management System Year/Sem.: SE/ IV Date: 18/04/2023

Course Outcomes:

- CSC403.1: Identify characteristics of database management system. Apply (Level 3)
- CSC403.2: Design ER/EER and Relational model for given case study. Create (Level 6)
- CSC403.3: Construct relational model and apply relational algebra queries for a given problem. Apply (Level 3)
- CSC403.4: Apply SQL queries for a given schema Apply (Level 3)
- CSC403.5: Apply the concept of normalization to relational database design. Apply (Level 3)
- CSC403.6: Use transaction, concurrency and recovery techniques in database system Apply (Level 3)

| Q.No. | Questions |
|-------|---|
| 1 | Can you identify characteristics of database management system? 3 (high) 2 (moderate) 1 (low) |
| 2 | Can you design ER/EER and Relational model for given case study? 3 (high) 2 (moderate) 1 (low) |
| 3 | Can you construct relational model and apply relational algebra queries for a given problem? 3 (high) 2 (moderate) 1 (low) |
| 4 | Can you apply SQL queries for a given schema? 3 (high) 2 (moderate) 1 (low) |



Course Exit Survey

Sub.: CSC403 /Database Management System Year/Sem.: SE/ IV Date: 18/04/2023

Course Outcomes:

CSC403.1: Identify characteristics of database management system. Apply (Level 3)

CSC403.2: Design ER/EER and Relational model for given case study. Create (Level 6)

CSC403.3: Construct relational model and apply relational algebra queries for a given problem. Apply (Level 3)

CSC403.4: Apply SQL queries for a given schema Apply (Level 3)

CSC403.5: Apply the concept of normalization to relational database design. Apply (Level 3)

CSC403.6: Use transaction, concurrency and recovery techniques in database system Apply (Level 3)

| Q.No. | Questions |
|-------|---|
| 1 | Can you identify characteristics of database management system? 3 (high) 2 (moderate) 1 (low) |
| 2 | Can you design ER/EER and Relational model for given case study? 3 (high) 2 (moderate) 1 (low) |
| 3 | Can you construct relational model and apply relational algebra queries for a given problem? 3 (high) 2 (moderate) 1 (low) |
| 4 | Can you apply SQL queries for a given schema? 3 (high) 2 (moderate) 1 (low) |



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| | |
|---|--|
| 5 | Can you apply the concept of normalization to relational database design? 3 (high) 2 (moderate) 1 (low) |
| 6 | Can you use transaction, concurrency, and recovery techniques in database system? 3 (high) 2 (moderate) 1 (low) |

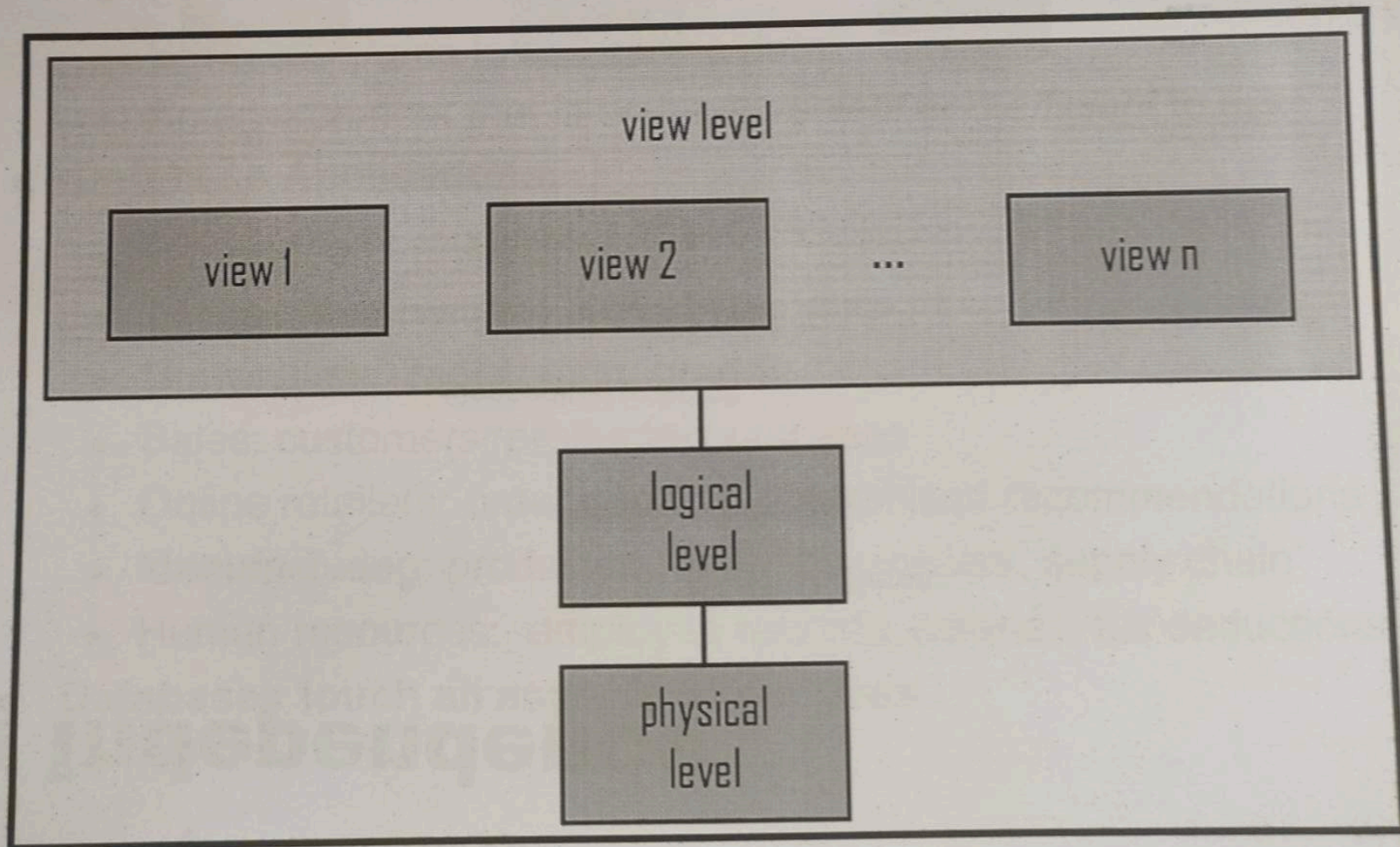
CHAPTER 1: INTRODUCTION

CHARACTERISTICS OF DB SYSTEM

- 1. Data Integrity**
- 2. Data Security**
- 3. Data Independence**
- 4. Transaction Control-Rollback**
- 5. Concurrency Control**
- 6. Data Recovery- Backup & restore**

VIEW OF DATA

An architecture for a database system



PURPOSE OF DATABASE SYSTEMS (CONT.)

- Drawbacks of using file systems (cont.)
 - Atomicity of updates
 - Failures may leave database in an inconsistent state with partial updates carried out
 - Example: Transfer of funds from one account to another should either complete or not happen at all
 - Concurrent access by multiple users
 - Concurrent access needed for performance
 - Uncontrolled concurrent accesses can lead to inconsistencies
 - Example: Two people reading a balance and updating it at the same time
 - Security problems
 - Hard to provide user access to some, but not all, data
- Database systems offer solutions to all the above problems



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Course Booklet

| | | | |
|-----------------|----------------------------|---------------|---------|
| Semester | IV | Class | S.E |
| Course Code | CSC403 | Academic Year | 2022-23 |
| Course Name | Database Management System | | |
| Name of Faculty | Mrs. Smita Jawale | | |



Vidyavardhini's College of Engineering & Technology

Vision

To be a premier institution of technical education, aiming at becoming a valuable resource for industry and society.

Mission

- To provide technologically inspiring environment for learning.
- To promote creativity, innovation and professional activities.
- To inculcate ethical and moral values.
- To cater personal, professional and societal needs through quality education.



Department Vision:

To evolve as a center of excellence in the field of Computer Engineering to cater to industrial and societal needs.

Department Mission:

- To provide quality technical education with the aid of modern resources.
- Inculcate creative thinking through innovative ideas and project development.
- To encourage life-long learning, leadership skills, entrepreneurship skills with ethical & moral values.

Program Education Objectives (PEOs):

PEO1: To facilitate learners with a sound foundation in the mathematical, scientific and engineering fundamentals to accomplish professional excellence and succeed in higher studies in Computer Engineering domain

PEO2: To enable learners to use modern tools effectively to solve real-life problems in the field of Computer Engineering.

PEO3: To equip learners with extensive education necessary to understand the impact of computer technology in a global and social context.

PEO4: To inculcate professional and ethical attitude, leadership qualities, commitment to societal responsibilities and prepare the learners for life-long learning to build up a successful career in Computer Engineering.

Program Specific Outcomes (PSOs):

PSO1: Analyze problems and design applications of database, networking, security, web technology, cloud computing, machine learning using mathematical skills, and computational tools.

PSO2: Develop computer-based systems to provide solutions for organizational, societal problems by working in multidisciplinary teams and pursue a career in the IT industry.



Index

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| 2. | Timetable |
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| 4. | Mapping of Course Modules with Course Outcomes |
| 5. | Mapping of Course Outcomes with Program Outcomes and Program Specific Outcomes and Justification, Curriculum gaps identified |
| 6. | Lesson Plan and Execution |
| 7. | Attendance Record |
| 8. | Details of activities beyond syllabus if any (seminar/guest lecture, etc.) |
| 9. | Attainment Tools, Performance Indicators for Assessment (Rubrics), Quality of Evaluation |
| 10. | Target for CO attainment levels, Qualifier level for CO |
| 11. | CO wise marks for In-semester and End semester, Result Analysis |
| 12. | CO attainment through In-semester and End semester evaluation |
| 13. | Attainment of COs, POs and PSOs |
| 14. | Observations and Action Taken |



Course Objectives

| | |
|---|---|
| 1 | To understand Database concepts and Relational Model |
| 2 | To develop data modelling using entity-relationship diagram |
| 3 | To learn relational Algebra concepts and solve queries |
| 4 | To Formulate SQL queries for a given schema. |
| 5 | To learn normalization techniques and understand integrity, security, relational database design. |
| 6 | To understand concept of transaction, concurrency and recovery techniques. |

Course Outcomes

| At the end of the course student will be able to: | | PO/PSO | Bloom Level |
|---|--|--------------------|------------------|
| CSC403.1 | Identify characteristics of database management system. | Identify | Apply (Level 3) |
| CSC403.2 | Design ER/EER diagram for given case study. | Design | Create (Level 6) |
| CSC403.3 | Construct relational model and apply relational algebra queries for a given problem. | Construct Apply | Apply (Level 3) |



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| | | | |
|----------|---|-------|-----------------|
| CSC403.4 | Apply SQL queries for a given schema. | Apply | Apply (Level 3) |
| CSC403.5 | Apply normalization techniques to relational database design. | Apply | Apply (Level 3) |
| CSC403.6 | Use transaction, concurrency and recovery techniques to analyze conflicts in multiple transactions. | Use | Apply (Level 3) |



Mapping of Course Modules with Course Outcomes

| Course Modules | Course Outcomes | | | | | |
|--|-----------------|----------|----------|----------|----------|----------|
| | CSC403.1 | CSC403.2 | CSC403.3 | CSC403.4 | CSC403.5 | CSC403.6 |
| Introduction Database Concepts | 3 | - | - | - | - | - |
| Entity-Relationship Data Model | - | 3 | - | - | - | - |
| Relational Model and relational Algebra | - | - | 3 | - | - | - |
| Structured Query Language (SQL) | - | - | - | 3 | - | - |
| Relational-Database Design | - | - | - | - | 3 | - |
| Transactions Management and Concurrency and Recovery | - | - | - | - | - | 3 |

Enter correlation level 1, 2 or 3 as defined below

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation put “—”.



Mapping of Course Outcomes with Program Outcomes and Program Specific Outcomes

| CO/PO | PO 1 | PO 2 | PO 3 | PO 4 | PO 5 | PO 6 | PO 7 | PO 8 | PO 9 | PO 10 | PO 11 | PO 12 | PSO 1 |
|---------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| CSC403.1 | 3 | 2 | 1 | | | 1 | 1 | 1 | 1 | 1 | | 1 | 3 |
| CSC403.2 | 2 | 2 | 3 | | 1 | 2 | 1 | 2 | 2 | 2 | | 2 | 3 |
| CSC403.3 | 3 | 1 | 2 | | | 2 | 1 | 1 | 1 | 1 | | 1 | 3 |
| CSC403.4 | 3 | 1 | 2 | | 3 | 2 | 1 | 1 | 1 | 1 | | 1 | 3 |
| CSC403.5 | 3 | 2 | 1 | | | 2 | 1 | 1 | 1 | 1 | | 1 | 3 |
| CSC403.6 | 3 | 2 | 2 | | | | | 1 | 1 | 1 | | 1 | 3 |
| Average | 2.83 | 1.67 | 1.83 | | 2.00 | 1.80 | 1.00 | 1.17 | 1.17 | 1.17 | | 1.17 | 3.00 |
| Round Average | 3 | 2 | 2 | | 2 | 2 | 1 | 1 | 1 | 1 | | 1 | 3 |

Enter correlation level 1, 2 or 3 as defined below

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

If there is no correlation put "—" ..

Justification of CO-PO Mapping

| Mapping | PO | Level | Justification |
|----------|-----|-------|--|
| CSC403.1 | PO1 | 3 | Students will be able to identify characteristics of DBMS, data models, database schema for given case study . |
| | PO2 | 2 | Students will be able to analyze characteristics of DBMS for given case study |
| | PO3 | 1 | Students will be able to design database schema for given case study |



| | | | |
|----------|------|---|--|
| | PO6 | 1 | Students will be able to implement database schema for societal applications. |
| | PO7 | 1 | Students will be able to implement database schema for environment and sustainability applications. |
| | PO8 | 1 | Students will be able to design database schema without copying from external resources. |
| | PO9 | 1 | Students will be able to work Individually or in team while designing the database schema for given case study |
| | PO10 | 1 | Students are assigned marks for their quality of written content. |
| | PO12 | 1 | Students will do self-learning from e-resources for designing database schema concepts for database applications |
| CSC403.2 | PO1 | 2 | Students will be able to apply concepts of ER/EER model for given case study |
| | PO2 | 2 | Students will be able to analyze the given case study before designing ER/EER model for it |
| | PO3 | 3 | Students will be able to design ER/EER model for a given case study |
| | PO5 | 2 | Students will be able to demonstrate ER/EER model using modern tools like EDRAW for a given case study |
| | PO6 | 1 | Students will be able to design the ER/EER or relational model for societal applications. |
| | PO7 | 1 | Students will be able to implement ER/EER model environment and sustainability applications. |
| | PO8 | 2 | Students will be able to design ER/EER model in course project reports without copying from external resources. |
| | PO9 | 2 | Students will be able to work Individually or in team for designing ER/EER model for given case study |



Justification of CO- PSO Mapping

| CO | PSO | Level of mapping | Justification |
|----------|------|------------------|--|
| CSC403.1 | PSO1 | 3 | Students will be able to design data integrity applications by defining database schema. |
| CSC403.1 | PSO2 | 2 | Students will be able to develop distributed database systems using database schema |
| CSC403.2 | PSO1 | 3 | Students will be able to design ER/EER model for given real world applications |
| CSC403.2 | PSO2 | 2 | Students will be able to develop ER/EER models used in applications of Robotics, AI and expert system. |
| CSC403.3 | PSO1 | 3 | Students will be able to design database applications using relational algebraic queries. |
| CSC403.3 | PSO2 | 2 | Students will be able to develop relational model for given organizational and societal problems. |
| CSC403.4 | PSO1 | 3 | Students will be able to design PL/SQL applications by using SQL queries. |
| CSC403.4 | PSO2 | 2 | Students will be able to develop Business Trend analysis, Healthcare and Education systems using SQL queries. |
| CSC403.5 | PSO1 | 3 | Students will be able to analyze problems for given real world application when features have different ranges in database. |
| CSC403.5 | PSO2 | 2 | Students will be able to develop models using normalization techniques used in Machine learning and Neural Network systems. |
| CSC403.6 | PSO1 | 3 | Students will be able to analyze conflicts in multiple transactions and design OLAP,OLTP applications using transaction, concurrency and query processing techniques |
| CSC403.6 | PSO2 | 2 | Students will be able to develop data warehousing and data mining systems using query processing techniques. |



Target for CO attainment levels

| CO | Previous year Target level | Is the CO attained in the previous year? (Y/N) | Calculated Target | Is target reached 2.8? | Review target |
|----------|----------------------------|--|-------------------|------------------------|---------------|
| CSC403.1 | 1.8 | Y | 2 | N | 2 |
| CSC403.2 | 1.8 | Y | 2 | N | 2 |
| CSC403.3 | 1.8 | Y | 2 | N | 2 |
| CSC403.4 | 1.8 | Y | 2 | N | 2 |
| CSC403.5 | 1.8 | Y | 2 | N | 2 |
| CSC403.6 | 1.8 | Y | 2 | N | 2 |

Qualifier level for CO (%)

| | | |
|--------------------|--|----|
| End Sem Evaluation | University Exam | 56 |
| | Oral / Practical | 61 |
| In-Sem Evaluation | IA, Quizzes, Assignments, Experiments etc. | 66 |
| | Course Exit Survey | 71 |

Score for Target Attainment Levels:

| | 1 | 2 | 3 |
|-------------------|------|--------------------|-----------|
| Uni. Exam | < 50 | ≥ 50 and < 60 | ≥ 60 |
| Oral/ Practical | < 55 | ≥ 55 and < 65 | ≥ 65 |
| In Sem evaluation | < 60 | ≥ 60 and < 70 | ≥ 70 |
| Course Exit | < 65 | ≥ 65 and < 75 | ≥ 75 |

The minimum Qualifier Level is for university exam is 56%

1. If <50% students get more than 56% marks, then score for the attainment will be 1.
2. if $\geq 50\%$ and <60% students get more than 56% marks, then score for the attainment will be 2.
3. if $\geq 60\%$ students get more than 56% marks, then score for the attainment will be 3.



DBMS IA

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CO wise marks for In-semester and End semester Evaluation**Internal Assessment Marks:**

| Roll No. | Name of student | IA | | | | | | | | | Signature |
|----------|-----------------------------|-----|-----|-----|-------|-----|-----|-----|-------|------|------------|
| | | IA1 | | | | IA2 | | | | Avg. | |
| | | CO1 | CO2 | CO3 | Total | CO4 | CO5 | CO6 | Total | | |
| 1 | Advait Sanoj Alinkil | 4 | 5 | 4 | 13 | 1 | 3 | 5 | 9 | 11 | |
| 2 | Pooja Sandip Bandgar | 3 | 3 | 2 | 8 | 0 | 4 | 7 | 11 | 10 | |
| 3 | Paarth Shirish Baradia | 3 | 3 | 3 | 9 | 0 | 4 | 5 | 9 | 9 | |
| 4 | Aditya Prakash Bhandare | 6 | 5 | 4 | 15 | 0 | 6 | 5 | 11 | 13 | |
| 5 | Nishant Tanaji Bhandigare | 6 | 7 | 7 | 20 | 1 | 7 | 6 | 14 | 17 | |
| 6 | Vipul Naresh Bhoir | 6 | 7 | 7 | 20 | 2 | 7 | 5 | 14 | 17 | V.N. Bhoir |
| 7 | Shivaraj Veeresh Bhopalapur | 4 | 3 | 2 | 9 | 2 | 3 | 5 | 10 | 10 | |
| 8 | Pratima Dinkar Bombe | 6 | 7 | 7 | 20 | 3 | 7 | 5 | 15 | 18 | |
| 9 | Amey Chandrakant Chaudhari | 6 | 4 | 2 | 12 | 0 | 7 | 5 | 12 | 12 | |
| 10 | Kunal Kishor Chaudhari | 6 | 6 | 2 | 14 | 0 | 7 | 1 | 8 | 11 | |
| 11 | Mrudul Parag Chaudhari | 4 | 7 | 2 | 13 | 3 | 5 | 7 | 15 | 14 | |
| 12 | Dhrub Pradip Das | 5 | 1 | 2 | 8 | 0 | 3 | 5 | 8 | 8 | |
| 13 | Abhinav Bhimrao Desai | 6 | 6 | 5 | 17 | 2 | 5 | 2 | 9 | 13 | |
| 14 | Shivam Diwakar Dhale | 0 | 6 | 2 | 8 | 2 | 7 | 3 | 12 | 10 | |
| 15 | Leander Francis Fernandes | 2 | 4 | 5 | 11 | 0 | 5 | 5 | 10 | 11 | |
| 16 | Vaishnavi Sadashiv Gaikwad | 6 | 7 | 7 | 20 | 1 | 7 | 5 | 13 | 17 | |
| 17 | Srushti Rohidas Gawande | 4 | 7 | 7 | 18 | 5 | 7 | 5 | 17 | 18 | |
| 18 | Aarya Hemant Gawhane | 6 | 5 | 5 | 16 | 0 | 7 | 5 | 12 | 14 | |
| 19 | Swara Narottam Gharat | 6 | 6 | 7 | 19 | 6 | 6 | 5 | 17 | 18 | |



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| | | | | | | | | | | | |
|----|-----------------------------|---|---|---|----|-----|---|-----|----|----|-----------|
| 20 | Rishi Raju Gharde | 6 | 2 | 0 | 8 | 0 | 1 | 0 | 1 | 5 | Rishi |
| 21 | Aman Aklesh Gupta | 3 | 4 | 2 | 9 | 0 | 5 | 3 | 8 | 9 | Aman |
| 22 | Sayali Sunil Gupta | 5 | 4 | 1 | 10 | 0 | 5 | 3 | 8 | 9 | Sayali |
| 23 | Rahul Mahadev Hanegaokar | 2 | 1 | 5 | 8 | 0 | 3 | 5 | 8 | 8 | Rahul |
| 24 | Trupti Chandrakant Hedalkar | 0 | 5 | 3 | 8 | 1 | 3 | 4 | 8 | 8 | Trupti |
| 25 | Yash Santosh Jadhav | 6 | 1 | 3 | 10 | 6 | 5 | 6 | 17 | 13 | Yash |
| 26 | Chaitanya Gajanan Karale | 5 | 2 | 5 | 12 | 2 | 3 | 3 | 8 | 10 | Karale |
| 27 | Omkar Sawalaram Khanolkar | 5 | 5 | 5 | 15 | 1 | 5 | 3 | 9 | 12 | Omkar |
| 28 | Vinit Vilas Kongil | 4 | 4 | 3 | 11 | 1 | 4 | 1 | 6 | 9 | Vinit |
| 29 | Sahil Haresh Kulabkar | 6 | 7 | 6 | 19 | 1 | 5 | 6 | 12 | 16 | Sahil |
| 30 | Aditya Aniket Lawate | 3 | 7 | 3 | 13 | 0 | 6 | 5 | 11 | 12 | Aditya |
| 31 | Rutuja Rajesh Mestry | 5 | 5 | 2 | 12 | 0 | 4 | 4 | 8 | 10 | Rutuja |
| 32 | Aarya Rajesh Mhatre | 3 | 5 | 3 | 11 | 0 | 4 | 2 | 6 | 9 | Aarya |
| 33 | Vrusharth Prashant Nirmal | 4 | 5 | 3 | 12 | 0 | 2 | 5 | 7 | 10 | Vrusharth |
| 34 | Alok Ramkishun Pal | 4 | 0 | 1 | 5 | 0 | 1 | 5 | 6 | 6 | Alok |
| 35 | Pratik Kailash Panigrahy | 6 | 4 | 5 | 15 | 2 | 6 | 2 | 10 | 13 | Pratik |
| 36 | Irfan Ayub Patel | 6 | 7 | 0 | 13 | 0 | 4 | 4 | 8 | 11 | Irfan |
| 37 | Aryan Uday Patil | 4 | 5 | 3 | 12 | 1 | 5 | 3 | 9 | 11 | Aryan |
| 38 | Bramheti Shailesh Patil | 6 | 7 | 7 | 20 | 5.5 | 7 | 6.5 | 19 | 20 | Bramheti |
| 39 | Nirmity Jayesh Patil | 4 | 6 | 6 | 16 | 2 | 0 | 5 | 7 | 12 | Nirmity |
| 40 | Soham Ramchandra Patil | 4 | 6 | 6 | 16 | 2 | 0 | 5 | 7 | 12 | Soham |
| 41 | Yukta Chandrakant Patil | 6 | 6 | 7 | 19 | 0 | 7 | 5 | 12 | 16 | Yukta |
| 42 | Prashant Narendra Rajpal | 6 | 6 | 7 | 19 | 0 | 5 | 6 | 11 | 14 | Prashant |
| | | 6 | 5 | 6 | 17 | 0 | 5 | 1 | 6 | 9 | Prashant |
| | | 4 | 5 | 3 | 12 | 0 | 5 | 1 | 6 | 9 | Prashant |



Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

| | | | | | | | | | | | |
|----|---------------------------|---|---|---|----|---|---|---|----|----|-------------------|
| 43 | Mitij Sachin Raul | 5 | 4 | 7 | 16 | 0 | 0 | 2 | 2 | 9 | <i>Mitij</i> |
| 44 | Aniket Rajesh Rinjad | 2 | 2 | 0 | 4 | 0 | 4 | 4 | 8 | 6 | <i>Aniket</i> |
| 45 | Kiran Balu Rokade | 0 | 5 | 3 | 8 | 0 | 4 | 3 | 7 | 8 | <i>Kiran</i> |
| 46 | Prasheel Shamrao Sakhare | 2 | 2 | 2 | 6 | 0 | 5 | 4 | 9 | 8 | <i>Prasheel</i> |
| 47 | Rocky Rodriguse Samuel | 2 | 2 | 4 | 8 | 0 | 5 | 4 | 9 | 9 | <i>Rocky</i> |
| 48 | Karan Hareshwar Sankhe | 1 | 3 | 2 | 6 | 1 | 6 | 6 | 13 | 10 | <i>Karan</i> |
| 49 | Sujal Sanjay Shah | 6 | 4 | 0 | 10 | 1 | 5 | 5 | 11 | 11 | <i>Sujal</i> |
| 50 | Dheeraj Kumar Singh | 6 | 4 | 2 | 12 | 1 | 5 | 6 | 12 | 12 | <i>Dheeraj</i> |
| 51 | Sharvesh Vedprakash Singh | 6 | 7 | 4 | 17 | 5 | 7 | 6 | 18 | 18 | <i>Sharvesh</i> |
| 52 | Khushi Pravin Sinha | 6 | 6 | 4 | 16 | 2 | 5 | 6 | 13 | 15 | <i>Khushi</i> |
| 53 | Anushka Sanjay Supe | 6 | 0 | 3 | 9 | 1 | 3 | 6 | 10 | 10 | <i>Anushka</i> |
| 54 | Mohak Rajesh Tamore | 5 | 4 | 6 | 15 | 0 | 5 | 3 | 8 | 12 | <i>Mohak</i> |
| 55 | Shrawani Rajesh Terde | 5 | 5 | 6 | 16 | 1 | 6 | 4 | 11 | 14 | <i>Shrawani</i> |
| 56 | Siddhesh Vinod Thakarkar | 6 | 6 | 1 | 13 | 3 | 7 | 6 | 16 | 15 | <i>Siddhesh</i> |
| 57 | Prathamesh Santosh Tiwari | 6 | 6 | 7 | 19 | 6 | 7 | 5 | 18 | 19 | <i>Prathamesh</i> |
| 58 | Vedant Sunil Vasaikar | 6 | 5 | 4 | 15 | 6 | 5 | 5 | 16 | 16 | <i>Vedant</i> |
| 59 | Vikas Rajesh Yadav | 3 | 5 | 5 | 13 | 4 | 7 | 4 | 15 | 14 | <i>Vikas</i> |
| 60 | Shushant S. Patil | 6 | 6 | 4 | 16 | 0 | 5 | 4 | 9 | 13 | <i>Shushant</i> |
| 61 | Vedika A. Sankhe | 6 | 7 | 1 | 14 | 0 | 7 | 3 | 10 | 12 | <i>Vedika</i> |
| 62 | Onkar S. Kokate | 6 | 5 | 6 | 17 | 3 | 6 | 0 | 9 | 13 | <i>Onkar</i> |
| 63 | Sajan J. Thakare | 4 | 6 | 2 | 12 | 1 | 5 | 2 | 8 | 10 | <i>Sajan</i> |
| 64 | Prachi P. Parab | 6 | 2 | 6 | 14 | 0 | 5 | 5 | 10 | 12 | <i>Prachi</i> |
| 65 | Divya R. Desai | 6 | 0 | 3 | 9 | 0 | 7 | 5 | 12 | 11 | <i>Divya</i> |
| 66 | Naba A. Sarwar | 6 | 6 | 7 | 19 | 0 | 7 | 5 | 12 | 16 | <i>Naba</i> |



Quiz and Assignment Marks:

| Name | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | A1 | A2 | A3 | A4 | A5 | A6 |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | CSC403.1 | CSC403.2 | CSC403.3 | CSC403.4 | CSC403.5 | CSC403.6 | CSC403.1 | CSC403.2 | CSC403.3 | CSC403.4 | CSC403.5 | CSC403.6 |
| Advait Sanoj Alinkil | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 4 | 4 | 5 | 5 |
| Pooja Sandip Bandgar | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 |
| Paarth Shirish Baradia | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 |
| Aditya Prakash Bhandare | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 |
| Nishant Tanaji Bhandigare | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Vipul Naresh Bhoir | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Shivaraj Veeresh Bhopalapur | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 3 | 3 |
| Pratima Dinkar Bombe | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 |
| Amey Chandrakant Chaudhari | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 3 | 3 | 3 |
| Kunal Kishor Chaudhari | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 |
| Mrudul Parag Chaudhari | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Dhrub Pradip Das | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 3 | 4 | 5 | 4 |
| Abhinav Bhimrao Desai | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 |
| Shivam Diwakar Dhale | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 4 |
| Leander Francis Fernandes | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 3 | 5 | 3 | 3 |
| Vaishnavi Sadashiv Gaikwad | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 |
| Srushti Rohidas Gawande | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 4 | 4 | 5 |
| Aarya Hemant Gawhane | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 4 |
| Swara Narottam Gharat | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 |
| Rishi Raju Gharde | 1 | 2 | 5 | 5 | 1 | 1 | 4 | 5 | 5 | 5 | 5 | 3 |
| Aman Aklesh Gupta | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| Sayali Sunil Gupta | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 |
| Rahul Mahadev Hanegaokar | 4 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 3 | 4 | 4 |
| Trupti Chandrakant Hedalkar | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 4 | 4 |
| | 4 | 5 | 5 | 5 | 5 | 5 | 3 | 4 | 5 | 4 | 5 | 3 |



Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

| | | | | | | | | | | | | | |
|----|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | Yash Santosh Jadhav | 3 | 1 | 0 | 1 | 2 | 0 | 4 | 4 | 4 | 4 | 4 | 4 |
| 26 | Chaitanya Gajanan Karale | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 5 | 4 | 3 | 4 |
| 27 | Omkar Sawalaram Khanolkar | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 4 |
| 28 | Vinit Vilas Kongil | 4 | 5 | 3 | 4 | 5 | 1 | 4 | 4 | 4 | 4 | 5 | 5 |
| 29 | Sahil Haresh Kulabkar | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 3 |
| 30 | Aditya Aniket Lawate | 4 | 1 | 3 | 4 | 1 | 2 | 4 | 3 | 3 | 3 | 4 | 4 |
| 31 | Rutuja Rajesh Mestry | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 4 | 5 | 3 |
| 32 | Aarya Rajesh Mhatre | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| 33 | Vrusharth Prashant Nirmal | 4 | 5 | 5 | 0 | 0 | 0 | 4 | 5 | 4 | 4 | 4 | 3 |
| 34 | Alok Ramkishun Pal | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 3 |
| 35 | Pratik Kailash Panigrahy | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 4 |
| 36 | Irfan Ayub Patel | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 37 | Aryan Uday Patil | 4 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 4 | 5 | 5 | 5 |
| 38 | Bramheti Shailesh Patil | 4 | 3 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 39 | Nirmiti Jayesh Patil | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 4 |
| 40 | Soham Ramchandra Patil | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 4 |
| 41 | Yukta Chandrakant Patil | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 5 |
| 42 | Prashant Narendra Rajpal | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 3 |
| 43 | Mitij Sachin Raul | 4 | 5 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 4 | 5 | 5 |
| 44 | Aniket Rajesh Rinjad | 4 | 5 | 5 | 5 | 5 | 5 | 3 | 3 | 3 | 3 | 3 | 3 |
| 45 | Kiran Balu Rokade | 4 | 5 | 3 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 4 |
| 46 | Prasheel Shamrao Sakhare | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| 47 | Rocky Rodriguse Samuel | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 3 |
| 48 | Karan Hareshwar Sankhe | 4 | 5 | 3 | 4 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 4 |
| 49 | Sujal Sanjay Shah | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 4 |
| 50 | Dheeraj Kumar Singh | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 |
| 51 | Sharvesh Vedprakash Singh | 2 | 4 | 2 | 3 | 2 | 2 | 5 | 5 | 4 | 5 | 5 | 5 |
| 52 | Khushi Pravin Sinha | 1 | 5 | 4 | 4 | 5 | 1 | 3 | 4 | 5 | 4 | 5 | 4 |
| 53 | Anushka Sanjay Supe | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 4 | 4 | 4 |
| 54 | Mohak Rajesh Tamore | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 5 | 5 | 5 | 5 |
| 55 | Shrawani Rajesh Terde | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 |
| 56 | Siddhesh Vinod Thakarkar | 5 | 5 | 4 | 5 | 5 | 2 | 5 | 4 | 5 | 5 | 5 | 5 |



End semester Evaluation Marks:

| Roll No. | Name of Student | University Exam Marks |
|----------|-----------------------------|-----------------------|
| 1 | Advait Sanoj Alinkil | 49 |
| 2 | Pooja Sandip Bandgar | 42 |
| 3 | Paarth Shirish Baradia | 39 |
| 4 | Aditya Prakash Bhandare | 47 |
| 5 | Nishant Tanaji Bhandigare | 59 |
| 6 | Vipul Naresh Bhoir | 63 |
| 7 | Shivaraj Veeresh Bhopalapur | 49 |
| 8 | Pratima Dinkar Bombe | 68 |
| 9 | Amey Chandrakant Chaudhari | 50 |
| 10 | Kunal Kishor Chaudhari | 47 |
| 11 | Mrudul Parag Chaudhari | 55 |
| 12 | Dhrub Pradip Das | 48 |
| 13 | Abhinav Bhimrao Desai | 41 |
| 14 | Shivam Diwakar Dhale | 44 |
| 15 | Leander Francis Fernandes | 33 |
| 16 | Vaishnavi Sadashiv Gaikwad | 67 |
| 17 | Srushti Rohidas Gawande | 57 |
| 18 | Aarya Hemant Gawhane | 49 |
| 19 | Swara Narottam Gharat | 69 |
| 20 | Rishi Raju Gharde | 39 |
| 21 | Aman Aklesh Gupta | 38 |
| 22 | Sayali Sunil Gupta | 39 |
| 23 | Rahul Mahadev Hanegaokar | 42 |
| 24 | Trupti Chandrakant Hedalkar | 50 |
| 25 | Yash Santosh Jadhav | 36 |
| 26 | Chaitanya Gajanan Karale | 41 |
| 27 | Omkar Sawalaram Khanolkar | 52 |



Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

| | | |
|----|---------------------------|----|
| 28 | Vinit Vilas Kongil | 13 |
| 29 | Sahil Haresh Kulabkar | 55 |
| 30 | Aditya Aniket Lawate | 56 |
| 31 | Rutuja Rajesh Mestry | 41 |
| 32 | Aarya Rajesh Mhatre | 60 |
| 33 | Vrusharth Prashant Nirmal | 48 |
| 34 | Alok Ramkishun Pal | 41 |
| 35 | Pratik Kailash Panigrahy | 61 |
| 36 | Irfan Ayub Patel | 38 |
| 37 | Aryan Uday Patil | 45 |
| 38 | Bramheti Shailesh Patil | 66 |
| 39 | Nirmiti Jayesh Patil | 32 |
| 40 | Soham Ramchandra Patil | 50 |
| 41 | Yukta Chandrakant Patil | 45 |
| 42 | Prashant Narendra Rajpal | 43 |
| 43 | Mitij Sachin Raul | 56 |
| 44 | Aniket Rajesh Rinjad | 13 |
| 45 | Kiran Balu Rokade | 41 |
| 46 | Prasheel Shamrao Sakhare | 42 |
| 47 | Rocky Rodriguse Samuel | 44 |
| 48 | Karan Hareshwar Sankhe | 38 |
| 49 | Sujal Sanjay Shah | 19 |
| 50 | Dheeraj Kumar Singh | 45 |
| 51 | Sharvesh Vedprakash Singh | 57 |
| 52 | Khushi Pravin Sinha | 54 |
| 53 | Anushka Sanjay Supe | 32 |
| 54 | Mohak Rajesh Tamore | 42 |
| 55 | Shrawani Rajesh Terde | 47 |
| 56 | Siddhesh Vinod Thakarkar | 57 |
| 57 | Prathamesh Santosh Tiwari | 70 |



Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

| | | |
|--|-----------------------|-------|
| 58 | Vedant Sunil Vasaikar | 66 |
| 59 | Vikas Rajesh Yadav | 32 |
| 60 | Shushant S. Patil | 42 |
| 61 | Vedika A. Sankhe | 39 |
| 62 | Onkar S. Kokate | 32 |
| 63 | Sajan J. Thakare | 42 |
| 64 | Prachi P. Parab | 46 |
| 65 | Divya R. Desai | 32 |
| 66 | Naba A. Sarwar | 38 |
| 67 | Srushti S. Kamble | 44 |
| 68 | Vishruti P. Gurav | 48 |
| 69 | Siddhesh Jondhale | 60 |
| 70 | Prapti S. Patil | 53 |
| 71 | Jay I.Gupta | 59 |
| 72 | Shruti D. Jangam | 50 |
| 73 | Krutik R. Kuwar | 53 |
| 74 | Tejas V. Patil | 33 |
| 75 | Raj Kikani | 52 |
| Summary | | |
| Total No. of Students | | 75 |
| Total Present | | 75 |
| Qualifier Level (%) | | 56 |
| Total Marks | | 80 |
| Qualifier Level in terms of marks | | 44.8 |
| No. of Students above Qualifier Level | | 41 |
| % No. of Students above Qualifier Level | | 54.67 |
| Attainment level | | 1 |



Vidyavardhini's College of Engineering & Technology
Department of Computer Engineering

Result Analysis

| | |
|---|--------|
| Number of Students Appeared | 75 |
| Number of Students Passed | 73 |
| Number of Students Failed | 03 |
| Percentage of Result | 97.33% |
| Number of Students with marks $\geq 80\%$ | 17 |
| Number of Students with marks $60 \leq \% < 80$ | 34 |
| Number of Students with marks $40 \leq \% < 60$ | 21 |

CO attainment through In-semester and End semester evaluation

Attainment through In-Sem Evaluation (X1):

| CO | | CSC403.1 | CSC403.2 | CSC403.3 | CSC403.4 | CSC403.5 | CSC403.6 |
|---------------------|-----|----------|----------|----------|----------|----------|----------|
| Internal Assessment | IA1 | 3 | 2 | 1 | | | |
| | IA2 | | | | 1 | 3 | 1 |
| Quizzes | Q1 | 3 | | | | | |
| | Q2 | | 3 | | | | |
| | Q3 | | | 3 | | | |
| | Q4 | | | | 3 | | |
| | Q5 | | | | | 3 | |
| | Q6 | | | | | | 3 |
| Assignments | A1 | 3 | | | | | |
| | A2 | | 3 | | | | |
| | A3 | | | 3 | | | |
| | A4 | | | | 3 | | |
| | A5 | | | | | 3 | |
| | A6 | | | | | | 3 |
| Course Exit Survey | | 3 | 3 | 2 | 2 | 2 | 2 |
| Average (X1) | | 3 | 2.75 | 2.25 | 2.25 | 2.75 | 2.25 |



Observations and Action Taken

| | | |
|----------|------------------|--|
| CSC403.1 | Target Level | 2 |
| | Attainment Level | 2.20 |
| | Observations | Target is achieved. Some students are finding difficulty to Identify characteristics of database management system. |
| | Action | More examples will be explained to make the students identify the database concept on real world applications |
| CSC403.2 | Target Level | 2 |
| | Attainment Level | 2.15 |
| | Observations | Target is achieved. IA1 Performance is less. Some students are finding difficulty in designing ER/EER diagram for given case study |
| | Action | More examples will be explained the students based on designing ER/EER diagram for real world applications |
| CSC403.3 | Target Level | 2 |
| | Attainment Level | 2.05 |
| | Observations | Target is achieved. IA1 Performance is less. Some students are facing problem in solving RA queries. |
| | Action | More Queries will be solved based on Relational Algebra queries for given schema |
| CSC403.4 | Target Level | 2 |
| | Attainment Level | 2.05 |
| | Observations | Target is achieved. IA2 Performance is less. Some students are facing problem in solving SQL queries. |
| | Action | More Queries will be solved based on SQL concept for given schema |
| CSC403.5 | Target Level | 2 |
| | Attainment Level | 2.15 |



Vidyavardhini's College of Engineering & Technology

Department of Computer Engineering

| | | |
|----------|------------------|--|
| | Observations | Target is achieved .Some students are facing problem in understanding normalization techniques to relational database design. |
| | Action | More examples will be demonstrated on how to apply normalization form on real world examples. |
| CSC403.6 | Target Level | 2 |
| | Attainment Level | 2.05 |
| | Observations | Target is achieved. Some students are facing problem in using transaction, concurrency and recovery techniques to analyze conflicts in multiple transactions.. |
| | Action | More problems will be solved based on transaction, concurrency control techniques. |

Signature of Faculty

Signature of HOD



Vidyavardhini's College of Engineering & Technology
Department of Computer Engineering
Academic Year : 2022-23

Class / Sem: SE / IV

Lab Name: Database Management system Lab

Course Name: Database Management system Lab

Course Code: CSL402

Outcomes: At the end of the course student should be able to

CO1: Design ER and EER diagram for the real life problem with software tool.

CO2: Construct database tables with different DDL and DML statements and apply integrity constraints

CO3: Apply SQL queries ,triggers for given Schema

CO4: Apply procedure and functions for given schema.

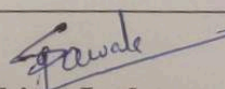
CO5: Use transaction and concurrency control techniques to analyze conflicts in multiple transactions.

CO6: Construct database tables and JDBC/ ODBC connectivity for given application

List of Experiments

| Exp No. | Name |
|----------------|--|
| 1 | Identify the case study and detail statement of problem. Design an Entity-Relationship (ER) / Extended Entity-Relationship (EER) Model. |
| 2 | Mapping ER/EER to Relational schema model. |
| 3 | Create and populate database using Data Definition Language (DDL) and Apply Integrity Constraints for the specified system |
| 4 | Apply DML commands for the specified system. |
| 5 | Perform Simple queries, string manipulation operations and aggregate functions |
| *6 | Implement various Join operations. |
| 7 | Perform Nested queries and Complex queries |
| 8 | Implement Procedure and functions |
| 9 | Implementation of Views and Triggers |
| 10 | Demonstrate of Database connectivity (course Project) |

***New Experiment**


Subject Incharge
Ms.Smita Jawale



Vidyavardhini's College of Engineering and Technology
Department of Computer Engineering
Academic Year : 2021-22 (Odd Sem)

Notice

Internal Assessment Monitoring Committeeting

To
IAMC Members,

Respected sir/madam

Internal Assessment I for SE sem-III and II for TE Sem-V, BE Sem-VII is scheduled on 18th, 20th, and 21th of October 2021.

The IAMC meeting to discuss the bloom levels of the question papers is scheduled on 14th October 2021 at 2.00pm.

Google Meet Link for IAMC Meeting

<https://meet.google.com/swc-wuyp-xxr>


IA Exam In-charge

Asst. Prof. Sunil Katkar


HOD

Dr. Megha Trivedi


HEAD

Dept of Computer Engg.,
Vidyavardhini's College of
Engineering and Technology,
Vasai Road 401 202



Vidyavardhini's College of Engg. & Technology.
Department of Computer Engg.

Internal Assessment Monitoring Committee.
Academic Year - 2021-22 (ODD sem)

Minutes of Meeting

Date - 14/08/2021


Time :- 2.00pm


The meeting of IAMC for IA-I was held on 14/08/2021 ~~at~~ at 2.00pm.


Following members were present in the meeting :-

Dr. Megha Trivedi - (HOD, Comp. Dept.) 

Dr. Supna Borde - (Member) 

Ms. Anil Hingurise - (Member) - 

Mr. Sunil Kulkarni - (IA Exam Incharge) - 

Mr. Yogesh Pingate - (Member, IT Dept) - 

The points discuss in the meeting were as follows :-

- ① For the course DSGT, it was advised to reframe the questions as per bloom taxonomy.
- ② For the course TCS question '3' need to be framed according to Bloom level.
- ③ For the course MCC, it was advised to reframe question paper as per bloom taxonomy.



HEAD

Dept. of Computer Engg.,
Vidyavardhini's College of
Engineering and Technology,
Vasai Road 401 202



Vidyavardhini's College Of Engineering & Technology, Vasai Rd
Department Of Computer Engineering
SE/SEM IV May/June 2023
Result Analysis

| Sr No | Subject | Name of Faculty | No . Of students Appeared | No of students passed | Passing Percentage |
|-------|-----------------------------|--------------------|---------------------------|-----------------------|--------------------|
| 1 | Engineering mathematics -IV | Mrs Doril carvalho | 78 | 72 | 92% |
| 2 | Analysis of Algorithm | Dr.Swapna Borde | 78 | 73 | 94% |
| 3 | Database Management System | Mrs Smita Jawale | 78 | 75 | 96% |
| 4 | Operating System | Dr.Dinesh patil | 78 | 73 | 94% |
| 5 | Micro processor | Mr.Sunil Katkar | 78 | 62 | 79% |

Total no of students appeared =78

Total no of students passed = 60

Overall % of passing =76.92 %

Failed =18


Exam incharge

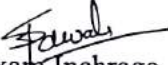
Ms.Smita Jawale


HOD

Dr.Megha Trivedi

Vidyavardhini's College Of Engineering & Technology, Vasai Rd
Department Of Computer Engineering
SE/SEM IV May/June 2023
Dr.Swapana Borde

| Name of the subject | Semester | Total no. of students appeared | No. of students passed | % of Passing | Marks Obtained | | | | | |
|---------------------|----------|--------------------------------|------------------------|--------------|----------------|-------|-------|-------|-------|----------|
| | | | | | Above 70 | 61-70 | 51-60 | 41-50 | 32-40 | Below 32 |
| AOA | IV | 75 | 73 | 94% | 0 | 3 | 12 | 21 | 34 | 5 |


Exam Incharge

Ms. Smita Jawale
Ms. Amruta Mhatre


H.O.D

Dr. Megha Trivedi

Vidyavardhini's College Of Engineering & Technology, Vasai Rd
Department Of Computer Engineering
SSE/SEM IV May/June 2023
Ms. Doril Carvalho

| Name of the subject | Semester | Total no. of students appeared | No. of students passed | % of Passing | Marks Obtained | | | | | |
|---------------------|----------|--------------------------------|------------------------|--------------|----------------|-------|-------|-------|-------|----------|
| | | | | | Above 70 | 61-70 | 51-60 | 41-50 | 32-40 | Below 32 |
| EM-IV | IV | 75 | 72 | 92% | 12 | 7 | 18 | 21 | 11 | 6 |


Exam Incharge

Ms. Smita Jawale
Ms. Amruta Mhatre


H.O.D

Dr. Megha Trivedi

Vidyavardhini's College of Engineering & Technology

K. T. Marg, Near Railway Station, Vasai Road(W), Dist. Palghar, Pin. 401202



Academic Audit Report

Department of Computer Engineering

Academic Year: _____

| | |
|---------------------|---------------------|
| Name of the Auditor | Name of the Auditor |
| Designation | Designation |
| Email id | Email id |
| Address | Address |
| Contact number | Contact number |
| Sign. | Sign. |

Dates of Visit

Evaluation Scheme

| Sr.No | Parameters of Evaluation | Page No. | Max.Marks |
|--------------|---|-----------------|------------------|
| 1 | Syllabus | 2 | 80 |
| 2 | Academic Facilities | 3 | 100 |
| 3 | Teaching Learning process | 4-5 | 300 |
| 4 | Examination System | 6-7 | 120 |
| 5 | Results | 8-9 | 120 |
| 6 | Placements and Student Activities | 10 | 120 |
| 7 | Faculty performance | 11 | 100 |
| 8 | Feedback, surveys and Corrective Action | 12 | 60 |
| Total | | | 1000 |

Grading System:

| Grade | Details | Total Marks scored |
|--------------|------------------|---------------------------|
| A+ | Excellent | 850 and above |
| A | Good | 700-849 |
| B | Acceptable | 550-699 |
| C | Not - Acceptable | Below 550 |

1. Syllabus

| Sr. No | Criteria | Marks Assigned | Marks scored |
|--------------|---|----------------|--------------|
| 1 | Does the syllabus contents provide understanding of concepts along with sufficient practical exposure of | | |
| | Mathematics & basic sciences | 5 | |
| | Programme core | 15 | |
| | Communication & Computer skills | 5 | |
| | Management & Humanities | 5 | |
| | Life Skills, Professional Ethics & Environment | 5 | |
| 2 | Does the syllabus include Hands on training? | 5 | |
| 3 | Does the syllabus cater to the industrial needs? | 5 | |
| 4 | Does the syllabus promote self-learning practices? | 5 | |
| 5 | Does department offer academic flexibility through: - | | |
| | Department level optional courses? | 10 | |
| | Institute level optional courses? | 10 | |
| 6 | Is the upgradation/revision of the syllabus done regularly and significantly through faculty involvement in syllabus setting committee/BOS? | 5 | |
| 7 | Does the department follow Project based learning? | 5 | |
| Total | | 80 | |

Additional comments/feedback/Observation/advice which may or may not be based on above points:

2. Academic Facilities

| Sr. No. | Criteria | Marks Assigned | Marks scored |
|--------------|--|----------------|--------------|
| 1 | No. of class rooms and tutorial rooms with adequate/state of the art infrastructure & supportive environment for teaching learning process | 10 | |
| 2 | No. of Laboratories with adequate/state of the art infrastructure & supportive environment for teaching learning process | 10 | |
| 3 | Faculty rooms/cabins | 5 | |
| 4 | Adequacy and Quality of Equipment | 20 | |
| 5 | Computing facilities(including software) | 10 | |
| 6 | Research Facilities/Additional Facilities Created | 10 | |
| 7 | Uninterrupted Electric power for PCs | 5 | |
| 8 | No. of books, online journals and printed journals related to programme in the central library | 5 | |
| 9 | No. of e-books made available to students and faculty | 5 | |
| 10 | Internet facility | 5 | |
| 11 | Improvement made in infrastructural facilities during last year | 5 | |
| 12 | Project Lab | 10 | |
| Total | | 100 | |

Any additional comments/feedback/observations/advice which may or may not be based on above points:

3. Teaching –Learning Process

| Sr. No. | Criteria | Marks Assigned | Marks secured |
|---------|---|----------------|---------------|
| 1 | Theory Lectures | | |
| | Conduction of Lectures in adherence to the academic calendar | 10 | |
| | Course file | | |
| | Lesson plan and its execution | 20 | |
| | Preparation of study material and its dissemination | 20 | |
| | Use of innovative techniques for teaching-learning process | 15 | |
| | Use of ICT Tools | 15 | |
| 2 | Practical | | |
| | Conduction of Practicals in adherence to the academic calendar | 10 | |
| | Additional Experiment(s) included | 5 | |
| | Conduction of Experiments through Online/Virtual Mode | 10 | |
| | Availability of laboratory manual and its quality | 10 | |
| | Maintenance of existing laboratory equipment and new equipment added (if any) | 10 | |
| 3 | Theory attendance of students | 5 | |
| 4 | Practical attendance of students | 5 | |
| 5 | Attainment of CO PO/PSO | | |
| | Department has well defined process for defining and calculating attainment of COs/POs/PSO | 10 | |
| | Mapping of Course Outcomes (CO) with Program Outcomes (PO) & Program Specific Outcomes (PSO) along with justification | 10 | |
| | Attainment of COs is carried out as per the set process. Actions are planned based on the observations and attainment results. | 25 | |
| | Attainment of POs/PSOs is carried out as per the set process. Actions are planned based on the observations and attainment results. | 15 | |
| 6 | Preventive and Corrective action taken by department against the defaulter students | 5 | |
| 7 | In semester continuous assessment | 20 | |
| 8 | Effective conduction of Laboratory session | 10 | |

| | | | |
|-------|---|-----|--|
| 9 | Efforts taken by Department to improve performance of academically weak/average/bright learner, remedial lectures | 10 | |
| 10 | Efforts taken by department to improve performance of students (Courses conducted /Expert Lectures, etc.) | 10 | |
| 11 | Curriculum gaps identification/ Content beyond syllabus and action taken thereon | 10 | |
| 12 | Project | | |
| | Selection | 10 | |
| | Execution, Monitoring and Evaluation | 20 | |
| | Publication and awards | 10 | |
| Total | | 300 | |

Any Additional Comments/Feedback/Observations/Advice Which May Or May Not Be Based On Above Points

4. Examination System

| Sr. No. | Criteria | Marks Assigned | Marks Secured |
|---------|---|----------------|---------------|
| 1 | Examination Process | | |
| | Transparency in the processes like internal assessment; scrutiny and declaration of result | 5 | |
| | Process of appointment of examiners /moderators, etc. | 5 | |
| 2 | Quality of Internal Assessment | | |
| | Appropriate coverage of syllabus in class test | 10 | |
| | Appropriateness of Cognitive Levels in question papers | 5 | |
| | Difficulty level of the question papers including numericals (at par with University Examination) | 5 | |
| | Innovation in question paper (Volume of repeated questions, correlation of questions with competitive examinations) | 5 | |
| 3 | Conduction of quiz, surprise test, assignments, etc. | 10 | |
| 4 | Reforms in continuous Internal Assessment (e.g. Open book test, online test, library assignment, poster presentation, role play, seminar) | 5 | |
| 5 | Continuous Assessment of practical/term work | | |
| | Continuous assessment of practical(journal) | 10 | |
| | Assessment method to evaluate the understanding of practical aspects/Additional assessment tools used during semester | 5 | |
| | Continuous evaluation of project/seminar and its record(maintenance of logbook) | 15 | |
| | Appropriate weightage to various components of term work assessment | 5 | |
| 6 | Assessment Process for Theory Papers | | |
| | CAP Process | 5 | |
| | Model answers and marking scheme | 5 | |
| | Average experience of evaluators | 5 | |
| | Moderation Process | 5 | |

| | | | |
|--------------|--|-----|--|
| | Whether the photocopy of the assessed paper is made available to the students, if requested? And availability of revaluation to students | 5 | |
| 7 | Involvement of external faculty member in the examination work as | | |
| | Evaluator/Moderator | 5 | |
| | Examiner for practical/oral examination | 5 | |
| Total | | 120 | |

Additional comments/feedback/observations/advice which may or may not be based on above points:

5. Results

| Sr. No. | Criteria | Marks Assigned | Marks Secured |
|--|--|----------------|---------------|
| 1 | Total number of students admitted in the programme against the sanctioned intake | 5 | |
| Performance in Continuous Evaluation of IA | | | |
| 2 | Internal Assessment I Odd Sem | 5 | |
| | Internal Assessment I Even Sem | 5 | |
| | Internal Assessment II Odd Sem | 5 | |
| | Internal Assessment II Even Sem | 5 | |
| Performance of students in University Examination | | | |
| 3 | Odd Sem | 15 | |
| | Even Sem | 15 | |
| Success Rate | | | |
| 4 | Success rate without backlogs in any semester / year of study for the Previous Academic Year = Y/X where X= Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry Y= Number of students who have graduated without backlogs in the stipulated period | 10 | |
| | Success rate in stipulated period for the Previous Academic Year = Y/X Where X= Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry Y= Number of students who have graduated in the stipulated period | 10 | |
| Academic Performance | | | |
| 5 | Academic Performance in Third Year for the Previous Academic Year = $X*(Y/Z)$ Where X= Mean of CGPA or mean percentage of all successful students Y= Total number of successful students Z= Total number of students appeared in the examination | 10 | |
| Overall Performance of students | | | |
| 6 | % of students graduated without backlog | 20 | |

| | | | |
|-------|---|-----|--|
| | % of students graduated with backlog in stipulated time | 15 | |
| 7 | Number of copy cases reported and punished*(-2) | | |
| Total | | 120 | |

Additional comments/feedback/observations/advice which may or may not be based on above points:

6. Placements and Student Activities

| Sr. No. | Criteria | Marks Assigned | Marks Secured |
|--------------|--|----------------|---------------|
| 1 | Placements, higher studies and entrepreneurship | | |
| | Training and career guidance | 5 | |
| | Placements | 20 | |
| | Higher Studies | 5 | |
| | Entrepreneurship | 5 | |
| 2 | Internship | 10 | |
| 3 | Whether academic processes are student development centric? | 5 | |
| 4 | Whether co-curriculum activities of institute /department are evenly distributed throughout the year? | 5 | |
| 5 | Active International, National, Institute initiated Students' chapters | 10 | |
| 6 | Technical newsletters/Magazine | 5 | |
| 7 | Are the students involved in Sports, cultural and extension activities? | 15 | |
| 8 | Industrial visit(s)/training(s) organized | 5 | |
| 9 | Technical events organized by the department(SDP/Workshops/Seminars/Guest Lectures/Competitions, etc.) | 15 | |
| 10 | Performance in competitive examinations (GATE/CAT/CET/GRE/TOEFL/IELTS/PSU exams, etc.) | 5 | |
| 11 | Alumni Interaction | 10 | |
| Total | | 120 | |

Additional comments/feedback/observations/advice which may or may not be based on above points:

7. Faculty Performance

| Sr. No. | Criteria | Marks Assigned | Marks Secured |
|--------------|--|----------------|---------------|
| 1 | Self-appraisal | 20 | |
| 2 | Qualification enhancement of faculty | 5 | |
| 3 | Research paper publications in journals/conferences | 10 | |
| 4 | Participation of faculty outside the Institution as examiners/paper setters/syllabus revision committee/ BOS, etc. | 10 | |
| 5 | Industry Linkages/MoU | 5 | |
| 6 | Performance of faculty based on book/monograph publication, patent filed and awards | 10 | |
| 7 | Performance of faculty, based on consultancy/sponsored projects and internal revenue generation (IRG) | 10 | |
| 8 | Participation of faculty in FDP/STTP/NPTEL/MOOC | 10 | |
| 9 | Innovative ideas implemented by the department for overall academic development of students | 10 | |
| 10 | Faculty as a resource person for Lecture/Seminar/workshops/ FDP, reviewer, session chair, judge, etc. | 10 | |
| Total | | 100 | |

Additional comments/feedback/observations/advice which may or may not be based on above points:

8. Feedback and Corrective Action

| Sr. No. | Sub Parameter | Marks Assigned | Marks Secured |
|---------|---|----------------|---------------|
| 1 | Course Feedback | | |
| | Process and frequency of feedback | 10 | |
| | Corrective and preventive action taken | 10 | |
| 2 | Course and Program Exit survey | 10 | |
| 3 | Stakeholders` Feedback | 15 | |
| 4 | Feedback on facilities | 5 | |
| 5 | Overall action taken by department for continuous improvement | 10 | |
| Total | | 60 | |

Additional comments/feedback/observations/advice which may or may not be based on above points:

Score Sheet

| Sr.No | Parameters of Evaluation | Page No. | Max.Marks | Marks Obtained |
|--------------|---|----------|-------------|----------------|
| 1 | Syllabus | 2 | 80 | |
| 2 | Academic Facilities | 3 | 100 | |
| 3 | Teaching Learning process | 4-5 | 300 | |
| 4 | Examination System | 6-7 | 120 | |
| 5 | Results | 8-9 | 120 | |
| 6 | Placements and Student Activities | 10 | 120 | |
| 7 | Faculty performance | 11 | 100 | |
| 8 | Feedback, surveys and Corrective Action | 12 | 60 | |
| Total | | | 1000 | |

Grading System:

| Grade | Details | Total Marks Scored |
|-------|------------------|--------------------|
| A+ | Excellent | 850 and above |
| A | Good | 700-849 |
| B | Acceptable | 550-699 |
| C | Not - Acceptable | Below 550 |

Observations made:

1. Strengths
2. Weaknesses
3. Suggestions based on the scrutiny

Name & Signature of the Auditor