



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

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RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

(Established by Government of Central Provinces Education Department by Notification No. 533, dated 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2015 (Maharashtra Act No VI of 2015).
(Academic Section)

Academic Section, Rashtrasant Tukadoji Maharaj Nagpur University, Jantnolal Bajaj Administrative Building, Mahatma Jotiba Phule Educational Premises, Campus Square to Ambazari T-Point Road, Nagpur-440033

No. Acad./Acad.Calc./2021/45

Date: 25th June 2021

NOTIFICATION

It is notified for general information of all the University conducted/ constituent/ affiliated colleges and Post-Graduate Teaching Departments of the University that the Academic Calendar for the session 2021-22 will be as under:

A) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER SEMESTER PATTERN FOR SESSION 2021-22.

1. Terms & Vacation

| | | |
|-------------------------------------|---|--------------------------|
| First Term (Odd semesters) = U.G. | : | 02.08.2021 to 30.11.2021 |
| First Term (Odd semesters) = P.G. | : | 30.08.2021 to 24.12.2021 |
| Diwali Holidays | : | 31.10.2021 to 10.11.2021 |
| Second Term (Even semesters) = U.G. | : | 10.01.2022 to 07.05.2022 |
| Second Term (Even semesters) = P.G. | : | 10.01.2022 to 07.05.2022 |
| Summer Vacation | : | 09.05.2022 to 22.06.2022 |

2. Admissions*

| | | |
|---|---|---------------------------------|
| a) Last date of Admission (First sem) U.G & PG | : | To be notified separately |
| b) Last date of Admission other than 1 st sem. U.G & PG | : | 20 th September 2021 |
| c) Last date for Admission with prior permission of the Vice-Chancellor | : | 20 th October 2021 |

| | | |
|---|---|--|
| 3. Last date of submission of Enrolment forms to the university | : | Within fifteen days from the last notified date of Admission |
|---|---|--|

4. Examination

A. Winter Examinations.

1. Commencement of Exam.

| | | |
|---|---|--------------------------------|
| a) Failure Students in even semesters = U.G | : | 15 th November 2021 |
| b) Failure Students in even semesters = P.G | : | 13 th December 2021 |
| c) Regular students in odd semesters = U.G | : | 1 st December 2021 |
| d) Regular students in odd semesters = P.G | : | 27 th December 2021 |

2. Last date for receipt of exams. forms

| | | |
|---|---|--|
| a) Regular students = U.G & PG | : | Within one month from the last date of admission |
| b) Old Ex-Students & External Students | : | 15 th September 2021 |
| c) Ex-Students of immediately previous examination = U.G & PG | : | Within 15 days from the date of declaration of the result of summer Exams. |

B. Summer Exams.

1. Commencement of Exams.

| | | |
|--|---|-----------------------------|
| a) Failure of odd semester = U.G & P.G | : | 25 th April 2022 |
| b) Regular Even semester = U.G | : | 9 th May 2022 |
| c) Regular Even semester = P.G | : | 9 th May 2022 |

2. Last date for receipt of examinations forms

| | | |
|---|---|--|
| a) Regular Students | : | 1 st March 2022 |
| b) Ex-Students of immediately previous exam | : | Within 15 days from the date of declaration of the result of winter Exams. |
| c) Old Ex-Students & External Students | : | 15 th October 2021 |

5. Declaration of Results

As per governing provisions of the Act.



Principal
Swaminarayan Siddhanta Institute
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Dist. Nagpur 441501

B) ACADEMIC CALENDAR FOR THE COURSES CONDUCTED AS PER ANNUAL PATTERN FOR SESSION 2021-22.

| | |
|---|--|
| 1. Terms & Vacation | |
| First Term | 02.08.2021 to 30.10.2021 |
| Diwali Holidays | 31.10.2021 to 10.11.2021 |
| Second Term | 11.11.2021 to 07.05.2022 |
| Summer Vacation | 09.05.2022 to 22.06.2022 |
| 2. Admissions* | |
| a) Last date of Admission | To be notified separately |
| b) Last date for Admission with prior Permission of the Vice-Chancellor | To be notified separately |
| 3. Last date of submission of Enrolment forms to the university | Within fifteen days from the last notified date of Admission |
| 5. Examination | |
| Winter Examinations. | |
| 1. Commencement of Exam. | 15 th November 2021 |
| 2. Last date for receipt of exams. forms | |
| a) Regular Students | 30 th October 2021 |
| b) External Students | 15 th September 2021 |
| c) Old Ex-Students | 15 th September 2021 |
| d) Ex-Students of immediately previous examination | Within 15 days from the date of declaration of the result of summer exam |
| Summer Exams. | |
| 1. Commencement of Exams. | 9 th May 2022 |
| 2. Last date for receipt of exams. forms | |
| a) Regular Students | 15 th March 2022 |
| b) Old Ex-Students | 15 th October 2021 |
| c) External Students | 15 th October 2021 |
| d) Ex-Students of immediately previous exam. | Within 15 days from the date of declaration of the result of winter exam |
| 5. Declaration of Results | As per governing provisions of the Act. |

C) Convocation Winter 2020 & Summer 2021 : December 2021

Special Instructions :

- The Principals/Heads of the institutions should communicate the list of students admitted in their colleges/ institutions to the university within 15 days from the last date of admission as notified by the university.
- Students admitted after the last date as specified above shall not be considered for enrolment in the University and therefore, shall not be permitted to appear at the university examinations.
- All government & other holidays are calculated on the basis of last year's statistics. It is likely to be same except small variations after the declaration by the Government/authorities. The schedule of such holidays will be separately notified by the university at the beginning of Calendar Year.
- Theory and Practical examinations may be held on Sunday with prior permission and intimation.
- M. Card (Machine Card) must be sent by the Principal/University Heads of the Department, within 30 days from the last date of admission as notified by the university, strictly in MS Excel software.
- Due to pandemic situation, majority of teaching activities are taking place in online mode. Hence, Sundays may be treated as teaching days.
- It is necessary by the Principals/Head of the Department to certify the number of actual teaching days conducted during the academic session.
- All efforts should be made to achieve more than 180 teaching days in Annual Pattern and 90 days per Semester in Semester Pattern.
- This schedule is applicable only for the entry level admissions to various courses excluding the courses where admissions are governed by centralized admission process.
- Therefore, the last date of admissions for all courses where centralized admission process is adopted shall be notified separately.
- The Last Date of examination forms for CAP round admission will be 15 days from the last date of admissions.
- In case, Admissions governed by Conditional Eligibility the last date for submission of examinations form shall be within fifteen days after declaration of its qualifying examinations provided such students should have been admitted provisionally for its next higher academic session as per Direction No. 27 of 2008 and 6 of 2010.
- Special Note:**
Owing to the Pandemic situation, there is a possibility that this Academic Calendar may require changes during its course of implementation in accordance with the norms and guidelines issued by the Government and other regulating bodies. In view of this, the Academic Council authorizes Hon'ble Vice-Chancellor to make necessary amendments and modifications in this Academic Calendar.

By Order of the Hon'ble Vice-Chancellor


(Dr. Anil Hirekhan)
Registrar



Principal
Swaminarayan Siddhanta Institute
of Technology, Kalmeshwar,
Dist. Nagpur 441501

Copy forwarded for information and necessary action to :-

1. P.A. to Hon'ble Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
2. P.A. to Hon'ble Pro-Vice-Chancellor, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
3. P.A. to Registrar, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
4. The Principals of all Colleges / Head of the Post-Graduate Teaching Departments of the Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
5. All Officers of the Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
6. The Registrar of All Universities in the Maharashtra State
7. Dr Veena Prakash, Information Scientist, University Campus Library, RTMNU, Nagpur
8. The Editor, All local News Papers. They are requested to kindly publish the above Notification in their esteemed News Paper as a News Item.

(Sanjay Bahekar)

Deputy Registrar (Acad.) (Ad Ch.)

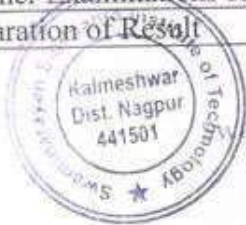


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**Institutional Academic Calendar
Academic Year 2021-2022**

| Sr. No. | Description | Date | |
|---------|--|--|------------|
| | | From | To |
| 1 | Start / End of odd term (UG) | 02-08-2021 | 30-11-2021 |
| 2 | Start / End of odd term (PG) | 30-08-2021 | 24-12-2021 |
| 3 | Teaching Session (UG) | 02-08-2021 | 23-10-2021 |
| 4 | Teaching Session (PG) | 30-08-2021 | 23-10-2021 |
| 5 | Admissions: Last date of Admission UG & PG | 20-09-2021 | |
| 6 | Last date of Enrollment forms | 30-09-2021 | |
| 7 | First Sessional Test | 06-09-2021 | 11-09-2021 |
| 8 | Second Sessional Test | 11-10-2021 | 16-10-2021 |
| 9 | PUT | 25-10-2021 | 30-10-2021 |
| 10 | Exam Forms | | |
| | 1. Regular Students UG & PG | 05-09-2021 | |
| | 2. Old Ex-Students | 15-09-2021 | |
| | 3. Ex-Students | Within 10 days from the date of declaration of the result of summer exams. | |
| 11 | Start of Odd Term Examination | | |
| | Winter Examinations for regular (UG) | 1-12-2021 | |
| | Winter Examinations for regular (PG) | 27-12-2021 | |
| | Winter Examinations for Backlog (UG) | 15-11-2021 | |
| | Winter Examinations for Backlog (PG) | 13-12-2021 | |
| 12 | Start / End of Even term (UG) | 10-01-2022 | 07-05-2022 |
| 13 | Start / End of Even term (PG) | 10-01-2022 | 07-05-2022 |
| 14 | Teaching Session | 10-01-2022 | 09-04-2022 |
| 15 | Annual Cultural Events | 31-01-2022 | 05-02-2022 |
| 16 | First Sessional Test | 21-02-2022 | 26-02-2022 |
| 17 | Second Sessional Test | 21-03-2022 | 25-03-2022 |
| 18 | PUT | 18-04-2022 | 23-04-2022 |
| 19 | Exam Forms | | |
| | 4. Regular Students UG & PG | 01-03-2022 | |
| | 5. Old Ex-Students | 15-04-2021 | |
| | 6. Ex-Students | Within 10 days from the date of declaration of the result of winter exams. | |
| 20 | Start of Even Term Examination | | |
| | Summer Examinations for regular (UG) | 09-05-2022 | |
| | Summer Examinations for regular (PG) | 09-05-2022 | |
| | Summer Examinations for Backlog (UG) | 25-04-2022 | |
| | Summer Examinations for Backlog (PG) | 25-04-2022 | |
| 21 | Declaration of Result | As per governing provisions of the act. | |



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Instructions:

1. The course teacher should complete the curriculum in prescribed academic schedule.
2. All HOD should take a constant review of the course plan.
3. Extra lectures should be arranged on regular basis as and when required.
4. All Government and other holidays are calculated on the basis of last year statistics. It is likely to be same except small variations after the declaration by the Government / Authorities. The schedule of such holidays will be separate notified by the University at the beginning of calendar.
5. Theory and Practical examinations may be held on Sunday with prior permission and intimation.
6. All efforts should be made to achieve more than 180 teaching days in Annual pattern and 90 days per semester in semester pattern


In charge


Dean Academics
Dean Academics
Swaminarayan Siddhanta Institute of Technology,


Principal
Principal
Swaminarayan Siddhanta Institute
of Technology, Kalmeshwar,
Dist. Nagpur-441501

Copy to- 1) All Deans
2) HODs (CS/ETC/ME/CE/FY/TP)
3) Administrative office
4) Circulation among staff members
5) Concerned persons
6) All Notice Board
7) Principal office file




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B.E./B.TECH DEPARTMENTAL ACADEMIC CALENDAR

SESSION: 2021-22

TERM: ODD (III, V, VII)

| SR. NO. | ACTIVITY | DATE |
|---------|--|-------------------------------------|
| 1. | Principal Meeting Odd Term Commencement | 13/07/2021 |
| 2. | Time Table Display | 27/07/2021 |
| 3. | Commencement of Odd Term | 02/08/2021 |
| 4. | Mega Project Topic Finalization | 10/08/2021 |
| 5. | Mega Project Introductory Seminar on Power Point Presentation (01) | 17/08/2021 |
| 6. | Soft Skill Development Program | 4 th Week of August 2021 |
| 7. | Attendance Review I Syllabus Review I Feedback Review I | 31/08/2021 |
| 8. | Submission of Assignment No. 1 | 02/09/2021 to 06/09/2021 |
| 9. | Sessional Exam No. 1 | 02/09/2021 to 06/09/2021 |
| 10. | Student Technical Activity/Workshop/ Guest Lecture | 06/09/2021 to 11/09/2021 |
| 11. | Academic Monitoring no. 1 | 13/09/2021 |
| 12. | Remedial Coaching Started From | 14/09/2021 |
| 13. | Mega Project Progress Seminar on Power Point Presentation (02) | 16/09/2021 |
| 14. | Attendance Review II Syllabus Review II Feedback Review II | 20/09/2021 |
| 15. | Submission of Assignment no. 2 | 20/09/2021 to 23/09/2021 |
| 16. | Sessional Exam No. 2 | 20/09/2021 to 23/09/2021 |




Principal
Swaminarayan Siddhanta Institute
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Dist. Nagpur 441501



| | | |
|-----|---|--|
| 17. | Departmental Event | 4 th Week of September 2021 |
| 18. | Mega Project Progress Seminar on Power Point Presentation (03) | 30/09/2021 |
| 19. | Submission of Assignment no. 3 | 13/10/2021 to 18/10/2021 |
| 20. | Student Industrial Visit | 1 st week of November |
| 21. | End of Odd Term | 15/11/2021 |
| 22. | Final Attendance Review III Final Syllabus Review III Final Feedback Review III | 16/11/2021 |
| 23. | Final Academic Monitoring no. 2 | 17/11/2021 |
| 24. | Pre University Test | 22/11/2021 to 27/11/2021 |
| 25. | Final Presentation on Mini Project and Mega Project (04) | 29/11/2021 |
| 26. | Final Submission of Term Work | 30/11/2021 |
| 28. | Tentative RTMNU Theory Exam | 1 st December 2021 |
| 29. | Next Semester Will Begin From | January 2022 |

HEAD
HOD (CE) Engg.
Swaminarayan Siddhanta Institute
of Technology, Kalmeshwar, Nagpur

Copy to:-

- 1) Principal
- 2) Dean Academics
- 3) Circulation among Teaching Staff
- 4) Circulation among Students
- 5) All Notice Board
- 6) Concerned Persons



Principal
Swaminarayan Siddhanta Institute
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Dist. Nagpur 441501

Sarvasiddhanta Education Society's

Swaminarayan Siddhanta Institute of Technology

Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Nagpur-Katol Highway Road, Khapri (Kothe),

Tal: Kalmeshwar, Nagpur, Maharastra-441501

Department of Computer Engineering



B.E./B.TECH DEPARTMENTAL ACADEMIC CALENDAR

SESSION: 2021-22

TERM: EVEN (IV, VI, VIII)


| SR. NO. | ACTIVITY | DATE |
|---------|---|---------------------------------------|
| 1. | Principal Meeting Even Term Commencement | 03/01/2022 |
| 2. | Time Table Display | 05/01/2022 |
| 3. | Commencement of Even Term | 10/01/2022 |
| 4. | Mini Project Mega Project Topic Finalization | 25/01/2022 |
| 5. | Mini Project and Mega Project Introductory Seminar on Power Point Presentation (01) | 15/02/2022 |
| 6. | Soft Skill Development Program | 4 th Week of February 2022 |
| 7. | Attendance Review I Syllabus Review I Feedback Review I | 28/02/2022 |
| 8. | Submission of Assignment No. 1 | 02/03/2022 to 05/03/2022 |
| 9. | Sessional Exam No. 1 | 02/03/2022 to 05/03/2022 |
| 10. | Student Technical Activity/Workshop/ Guest Lecture | 08/03/2022 to 10/03/2022 |
| 11. | Academic Monitoring no. 1 | 14/03/2022 |
| 12. | Remedial Coaching Started From | 15/03/2022 |
| 13. | Mini Project and Mega Project Progress Seminar on Power Point Presentation (02) | 21/03/2022 |
| 14. | Attendance Review II Syllabus Review II Feedback Review II | 28/03/2022 |
| 15. | Submission of Assignment no. 2 | 29/03/2023 to 01/04/2023 |
| 16. | Sessional Exam No. 2 | 29/03/2023 to 01/04/2023 |



[Signature]
Principal
Swaminarayan Siddhanta Institute
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Dist. Nagpur 441501



| | | |
|-----|---|------------------------------------|
| 17. | Departmental Event | 2 nd Week of April 2022 |
| 18. | Mini Project and Mega Project Progress Seminar on Power Point Presentation (03) | 17/04/2022 |
| 19. | Submission of Assignment no. 3 | 18/04/2022 to 20/04/2022 |
| 20. | Student Industrial Visit | 4 th week of April |
| 21. | End of Even Term | 18/04/2022 |
| 22. | Final Attendance Review III Final Syllabus Review III Final Feedback Review III | 19/04/2022 |
| 23. | Final Academic Monitoring no. 2 | 20/04/2022 |
| 24. | Pre University Test | 20/04/2022 to 26/04/2022 |
| 25. | Final Presentation on Mini Project and Mega Project (04) | 27/04/2022 |
| 26. | Final Submission of Term Work | 27/04/2022 |
| 28. | Tentative RTMNU Theory Exam | 09 th May 2022 Onwards |
| 29. | Next Semester Will Begin From | July 2022 |


HOD
Dept. of Computer Engg.
Swaminarayan Siddhanta Institute
of Technology, Kalmeshwar, Nagpur

Copy to:-

- 1) Principal
- 2) Dean Academics
- 3) Circulation among Teaching Staff
- 4) Circulation among Students
- 5) All Notice Board
- 6) Concerned Persons




Principal
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Dist. Nagpur 441501

Sarvasiddhanta Education Society's

Swaminarayan Siddhanta Institute of Technology

Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Nagpur-Katol Highway Road, Khapri (Kothe),

Tal: Kalmeshwar, Nagpur, Maharashtra-441501

Department of Computer Science & Engineering



Date: 22/12/2021


All the Faculty members of B.E.CE & M.Tech CSE Department are hereby informed that meeting regarding upcoming new session will be held on 27th Dec 2021 at 3:00pm by Zoom Platform. Attendance is mandatory for all

Copy to- 1) All Faculty Members (B.E.CE, M.Tech CSE)
2) Concerned Persons


H.O.D.

HEAD
Dept. of Computer Engg.
Swaminarayan Siddhanta Institute
of Technology, Kalmeshwar, Nagpur




Principal
Swaminarayan Siddhanta Institute
of Technology, Kalmeshwar,
Dist. Nagpur 441501



Date: 27-12-2022

Minutes of Meeting of Head with all Teaching Staff

Following topics were discussed in the meeting:

1. Asst. Prof. Prachi Bhure started the meeting by reading out last meetings minutes.
2. Discussion regarding upcoming session's planning for department work.
3. Maintain Attendance register of all students.
4. Conduction of classes theory /practical as per time table.
5. Class incharge is responsible for any issues related to conduction of classes.
6. Given instructions to maintain Daily Activity Records
7. Subject Distribution for teaching and maintain the subject diary as well
8. Discussion on maintaining the subject notes as well as subject notes videos.
9. Theory lecture should not be conducted in lab.
10. Seating should be neat and clean.
11. Laboratory allotted to the respective faculties as per subject allotted.
12. Work distributed to all the faculties related Institutional and Departmental.
13. Teaching should be in English.

Following departmental faculty list:

| Sr. No. | Name of Faculty | Signature |
|---------|--|-----------|
| 1 | Prof. Prachi Bhure (CE) | |
| 2 | Prof. Vijeyata Ramtake (CE) | |
| 3 | Prof. Shyam Dubey (CE) | |
| 4 | Prof. Ashwini Bais (CE) | |
| 5 | Prof. Tejal Hirekhan (CE) | |
| 6 | Prof. Naziya Pathan (CE) | |
| 7 | Prof. Dipti Agrawal (CE) | |
| 8 | Prof. Pooema Malkhede (CE) | |
| | Prof. Vijay Raghuwani ((M/Tech CSE) Principal | |



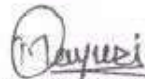
Swaminarayan Siddhanta Institute
 of Technology, Kalmeshwar,
 Dist. Nagpur 441501


HEAD
 Dept. of Computer Engg.
 Swaminarayan Siddhanta Institute
 of Technology, Kalmeshwar



SESSION 2021-22
LOAD DISTRIBUTION (EVEN SEM)

| Sr. No. | Name of Faculty | Subject Alloted | Sem | Teaching Load | | | Total |
|---------|--------------------|---------------------------------|------|---------------|-----|-----|-------|
| | | | | TH | TU | PR | |
| 1 | Ms. Sanjukta Ash | DMGT | IV | 3 | 1 | --- | 4 |
| 2 | Mr. Shyam Dubey | CAO | IV | 3 | --- | --- | 3 |
| 3 | Ms. Tejal Hirekhan | MINI PROJECT & INDUSTRIAL VISIT | VI | --- | --- | 2 | 2 |
| | | DSGC | VIII | 4 | 1 | 2 | 7 |
| | | PROJECT | VIII | --- | --- | 6 | 6 |
| 4 | Ms. Vijeta Ramteke | OS | IV | 3 | 2 | --- | 12 |
| | | DAA | VI | 4 | 1 | 2 | |
| 5 | Ms. R. Kadulkar | FE | VI | 2 | 1 | --- | 3 |
| 6 | Miss Mayuri Botre | WT | IV | 3 | --- | 2 | 15 |
| | | SP | IV | 3 | --- | --- | |
| | | UNIX | VIII | 4 | 1 | 2 | |
| 7 | Ms. Seema Malkhede | WCMC | VIII | 4 | 1 | --- | 5 |
| 8 | Ms. Prachi Bhure | DS | IV | 3 | 1 | 2 | 13 |
| | | SS | VI | 4 | 1 | --- | |
| | | INTERNSHIP | IV | --- | --- | 2 | |
| 9 | Ms. Ashwini Bais | CA | IV | 2 | --- | --- | 2 |
| | | SEPM | VI | 3 | 1 | 2 | 6 |
| 10 | Ms. Shazia Shaheen | DBMS | VI | 4 | 1 | 2 | 11 |
| | | MS | VIII | 3 | 1 | --- | |


 INCHARGE


 HEAD
 Dept. of Computer Engg.
 Swaminarayan Siddhanta Institute of Technology, Kalmeshwar.




 Principal
 Swaminarayan Siddhanta Institute
 of Technology, Kalmeshwar,
 Dist. Nagpur 441501



ACADEMIC SESSION 2021-22

Date: 05/01/2022

COMPUTER DEPARTMENT TIME TABLE SUMMER- 2022

| DAY | SEMESTER | 9.45AM TO 10.45AM | 10.45AM TO 11.45AM | 11.45AM TO 12.45PM | 12.45PM TO 1.15PM | 1.15PM TO 2.15PM | 2.15PM TO 3.15PM | 3.15PM TO 4.15PM | |
|---------------------------|----------------------------|--------------------------------|-------------------------|------------------------|-------------------|-----------------------------------|----------------------|------------------|--|
| MONDAY | B.Tech 4 th Sem | DMGT | WT | DS | RECESS | OS | SP | CAO | |
| | B.E 6 th Sem | DAA | FE | DAA | | SS | DBMS | FE | |
| | B.E 8 th Sem | DSGC | MS | UNIX | | WCMC | PROJECT | | |
| TUESDAY | B.Tech 4 th Sem | DMGT | WT | DS | | CAO | WT-LAB | | |
| | B.E 6 th Sem | DBMS | SEPM | FE | | SS | DBMS LAB | | |
| | B.E 8 th Sem | UNIX | DSGC | WCMC | | MS | PROJECT | | |
| WEDNESDAY | B.Tech 4 th Sem | DMGT | WT | DS | | OS | DS-LAB | | |
| | B.E 6 th Sem | DBMS | SEPM | DAA | | SS | SEPM-LAB | | |
| | B.E 8 th Sem | MS | DSGC | UNIX | | WCMC | DSGC LAB | | |
| THURSDAY | B.Tech 4 th Sem | DMGT | SP | DS | | CA | OS-LAB | | |
| | B.E 6 th Sem | DBMS | DAA | SEPM | | SS | DAA LAB | | |
| | B.E 8 th Sem | UNIX | MS | WCMC | | DSGC | PROJECT | | |
| FRIDAY | B.Tech 4 th Sem | SP | OS | CAO | | CA | INTERNSHIP(P) | | |
| | B.E 6 th Sem | DBMS | SEPM | SS | | DAA | MINI PROJECT | | |
| | B.E 8 th Sem | MS | UNIX | WCMC | | DSGC | UNIX LAB | | |
| SATURDAY | B.Tech 4 th Sem | PRESENTATION ON CURRENT TRENDS | | | | EXTRA CURRICULAR ACTIVITY SESSION | | | |
| | B.E 6 th Sem | PRESENTATION ON MINIPROJECT | | | | | | | |
| | B.E 8 th Sem | PRESENTATION ON PROJECT | | | | | | | |
| B.Tech 4 th CE | | | B.E. 6 th CE | | | B.E. 8 th CE | | | |
| DMGT | Prof. Sanjukta Ash | | SEPM | Prof. Ashwini Bais | | MS | Prof. Ashwini Bais | | |
| WT | Prof. Mayuri Botre | | FE | Prof. R Kadukar | | WCMC | Prof. Seema Malkhede | | |
| JS | Prof. Vijayata Ramteke | | SS | Prof. Prachi Bhure | | UNIX | Prof. Mayuri Botre | | |
| DS | Prof. Prachi Bhure | | DAA | Prof. Vijayata Ramteke | | DSGC | Prof. Tejal Hirekhan | | |
| CAO | Prof. Shyam Dubey | | DBMS | Prof. Shyam Dubey | | PROJECT | Prof. Prachi Bhure | | |
| SP | Prof. Mayuri Botre | | MINI PROJECT | Prof. Tejal Hirekhan | | UNIX LAB | Prof. Mayuri Botre | | |
| WT-LAB | Prof. Mayuri Botre | | DAA LAB | Prof. Vijayata Ramteke | | DSGC LAB | Prof. Tejal Hirekhan | | |
| OS-LAB | Prof. Vijayata Ramteke | | DBMS LAB | Prof. Shyam Dubey | | | | | |
| DS-LAB | Prof. Prachi Bhure | | SEPM LAB | Prof. Ashwini Bais | | | | | |
| CA | Prof. Ashwini Bais | | MINI PROJECT | Prof. Prachi Bhure | | | | | |
| INTERNSHIP | Prof. Prachi Bhure | | | | | | | | |

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H.O.D.
 HEAD
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 Swaminarayan Siddhanta Institute



ACADEMIC SESSION 2021-22

Date: 05/01/2022

COMPUTER DEPARTMENT TIME TABLE SUMMER- 2022

| DAY | SEMESTER | 9.45AM TO 10.45AM | 10.45AM TO 11.45AM | 11.45AM TO 12.45PM | 12.45PM TO 1.15PM | 1.15PM TO 2.15PM | 2.15PM TO 3.15PM | 3.15PM TO 4.15PM |
|-----------|----------------------------|--------------------------------|--------------------|--------------------|-------------------|-----------------------------------|------------------|------------------|
| MONDAY | B.Tech 4 th Sem | DMGT | WT | DS | RECESS | OS | SP | CAO |
| TUESDAY | B.Tech 4 th Sem | DMGT | WT | DS | | CAO | WT-LAB | |
| WEDNESDAY | B.Tech 4 th Sem | DMGT | WT | DS | | OS | DS-LAB | |
| THURSDAY | B.Tech 4 th Sem | DMGT | SP | DS | | CA | OS -LAB | |
| FRIDAY | B.Tech 4 th Sem | SP | OS | CAO | | CA | INTERNSHIP(P) | |
| SATURDAY | B.Tech 4 th Sem | PRESENTATION ON CURRENT TRENDS | | | | EXTRA CURRICULAR ACTIVITY SESSION | | |

B.Tech 4th CE

| | |
|------------|------------------------|
| DMGT | Prof. Sanjukta Ash |
| WT | Prof. Mayuri Botre |
| OS | Prof. Vijayata Ramteke |
| SP | Prof. Prachi Bhure |
| WT-LAB | Prof. Shyam Dubey |
| OS-LAB | Prof. Mayuri Botre |
| DS-LAB | Prof. Mayuri Botre |
| CA | Prof. Vijayata Ramteke |
| INTERNSHIP | Prof. Prachi Bhure |

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ACADAMIC SESSION 2021-22 (EVEN SEM)

PERSONAL TIME TABLE FOR SUMMER 2022

Prof. Mayuri Botre

| DAY | SEMESTER | 9.45AM TO 10.45AM | 10.45AM TO 11.45AM | 11.45AM TO 12.45PM | 12.45PM TO 1.15PM | 1.15PM TO 2.15PM | 2.15PM TO 3.15PM | 3.15PM TO 4.15PM |
|-----------|----------------------------|-------------------|--------------------|--------------------|-------------------|------------------|------------------|------------------|
| MONDAY | B.Tech 4 th Sem | | WT | | RECESS | | SP | |
| | B.E 6 th Sem | | | | | | | |
| | B.E 8 th Sem | | | UNIX | | | | |
| TUESDAY | B.Tech 4 th Sem | | WT | | | | WT-LAB | |
| | B.E 6 th Sem | | | | | | | |
| | B.E 8 th Sem | UNIX | | | | | | |
| WEDNESDAY | B.Tech 4 th Sem | | WT | | | | | |
| | B.E 6 th Sem | | | | | | | |
| | B.E 8 th Sem | | | UNIX | | | | |
| THURSDAY | B.Tech 4 th Sem | | SP | | | | | |
| | B.E 6 th Sem | | | | | | | |
| | B.E 8 th Sem | UNIX | | | | | | |
| FRIDAY | B.Tech 4 th Sem | SP | | | | | | |
| | B.E 6 th Sem | | | | | | | |
| | B.E 8 th Sem | | UNIX | | | | UNIX LAB | |
| SATURDAY | B.Tech 4 th Sem | | | | | | | |
| | B.E 6 th Sem | | | | | | | |
| | B.E 8 th Sem | | | | | | | |

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SUBJECT FILE

Subject Name : Web Technology
Subject Code : BECME402T
Semester/ Branch : B.Tech 4th Sem Computer Engg.
Session : 2021-22 (EVEN)


Subject Incharge




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Department of Computer Engineering



Subject: Web Technology


Semester: B.Tech 4th Sem (Computer Engg.)

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- Institute Academic Calendar (2021-22)
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- Teaching Plan
- Assignments
- Assignment Mark sheet
- Sessional Question Papers
- Sessional Mark sheet
- PUT Question Papers
- PUT Mark sheet
- University Question Papers
- Question Bank


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Subject: Web Technology

Semester: B.Tech 4th Sem (Computer Engg.)

TEACHING PLAN

| Unit No. | Lecture No. | Topics | Plan Date | Execute Date |
|----------|-------------|-------------------------------------|------------|--------------|
| 1. | 1. | Introduction to HTML | 14/03/2022 | 14/03/2022 |
| | 2. | The development process | 15/03/2022 | 15/03/2022 |
| | 3. | Html tags and simple HTML forms | 16/03/2022 | 16/03/2022 |
| | 4. | Frames and frame sets tags | 21/03/2022 | 21/03/2022 |
| | 5. | Web site structure | 22/03/2022 | 22/03/2022 |
| 2. | 6. | Style sheets: Need for CSS | 23/03/2022 | 23/03/2022 |
| | 7. | Introduction to CSS | 28/03/2022 | 28/03/2022 |
| | 8. | Basic syntax and structure | 29/03/2022 | 29/03/2022 |
| | 9. | Using CSS | 30/03/2022 | 30/03/2022 |
| | 10. | Background images | 04/04/2022 | 04/04/2022 |
| | 11. | Colors and properties | 05/04/2022 | 05/04/2022 |
| | 12. | Manipulating text using fonts | 06/04/2022 | 06/04/2022 |
| | 13. | Borders and boxes margins | 11/04/2022 | 11/04/2022 |
| | 14. | Padding lists positioning using CSS | 12/04/2022 | 12/04/2022 |
| | 15. | CSS2 | 13/04/2022 | 13/04/2022 |



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| | | | | |
|----|-----|---------------------------------------|------------|------------|
| 3. | 16. | XML technologies | 13/04/2022 | 18/04/2022 |
| | 17. | Attributes, tree, XML validation | 18/04/2022 | 19/04/2022 |
| | 18. | DTD, CSS, Schema | 19/04/2022 | 20/04/2022 |
| | 19. | XML parser, database, namespace | 20/04/2022 | 25/04/2022 |
| 4. | 20. | Validation: Understanding validation | 25/04/2022 | 26/04/2022 |
| | 21. | The validation controls Rich controls | 26/04/2022 | 27/04/2022 |
| | 22. | The calendar, AdRotator | 27/04/2022 | 02/05/2022 |
| | 23. | Pages with multiple view | 02/05/2022 | 02/05/2022 |
| | 24. | User controls and graphics | 03/05/2022 | 04/05/2022 |
| | 25. | User controls | 04/05/2022 | 04/05/2022 |
| | 26. | Dynamic graphics | 04/05/2022 | 09/05/2022 |
| 5. | 27. | Styles, themes and master pages: | 09/05/2022 | 10/05/2022 |
| | 28. | Styles, themes, master page basics | 10/05/2022 | 10/05/2022 |
| | 29. | ADO.NET and Data Binding | 11/05/2022 | 11/05/2022 |
| | 30. | Configuring your database | 16/05/2022 | 23/05/2022 |




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| | | | |
|-----|-----------------------------|------------|------------|
| 31. | ADO.NET basics | 17/05/2022 | 23/05/2022 |
| 32. | Direct Data Access | 18/05/2022 | 24/05/2022 |
| 33. | Single Value data binding | 23/05/2022 | 24/05/2022 |
| 34. | Repeated value data binding | 24/05/2022 | 25/05/2022 |
| 35. | Website security | 25/05/2022 | 30/05/2022 |
| 36. | ASP.NET security model | 30/05/2022 | 30/05/2022 |
| 37. | Forms authentication | 31/05/2022 | 31/05/2022 |
| 38. | Windows authentication, | 31/05/2022 | 31/05/2022 |


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Subject: UNIX and Shell Programming

Semester: B.E. 8th Sem

Practical Plan

| Sr. No. | Name of Practical | Plan Date | Execute Date |
|---------|--|------------|--------------|
| 01 | Execution of various file/directory handling commands. | 04/01/2022 | 04/01/22 |
| 02 | Simple shell script for basic arithmetic and logical calculations. | 21/01/2022 | 21/01/2022 |
| 03 | Shell scripts to check various attributes of files and directories | 28/01/2022 | 28/01/22 |
| 04 | Shell scripts to perform various operations on given strings. | 04/02/2022 | 04/02/22 |
| 05 | Shell scripts to explore system variables such as PATH, HOME etc. | 18/02/2022 | 18/02/22 |
| 06 | Shell scripts to check and list attributes of processes. | 25/02/2022 | 25/02/22 |
| 07 | Execution of various system administrative commands. | 04/03/2022 | 04/03/22 |
| 08 | Write awkscript that uses all of its features. | 11/03/2022 | 11/03/22 |
| 09 | Use sed instruction to process /etc/passwd file. | 25/03/2022 | 25/03/22 |
| 10 | Write a shell script to display list of users currently logged in. | 01/04/2022 | 01/04/22 |

Mayuri
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Praveen
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HEAD
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Swaminarayan Siddhanta Institute
of Technology, Kalmeshwar, Nagpur



L. No.: SSIT/CE/2021-22/GL/14
Date: 26/02/2022

To,
Prof. Umesh Samarth
Asst. Professor,
J D College of Engineering, Nagpur

Subject: Invitation for Guest Lecture on "Introduction to IoT and its application"

Respected Sir,

It gives us immense gratification to enlighten you that Department of Computer Engineering of Swaminarayan Siddhanta Institute of Technology, Kalmeshwar, Nagpur is organizing **Guest Lecture on "Introduction to IoT and its application"** for Third & Final Year students on 28-02-2022 at 02:00 pm onwards. It will endow with a platform to exchange knowledge among young technocrats. It will be our pleasure and honor to seek your august as an Expert for guest lecture. Your association is significant in ensuring a great success to the event.

Thanking you.

Details of Guest Lecture:

- Date & Time: 28/02/2022 & 02:00 PM onwards
- Mode of Conduction: **Online (Zoom Meeting)**
- Coordinator: **Prof. Prachi Bhure**



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661103, Email-id: info@ssitedu.com, Website: www.ssitedu.com



L. No.: SSIT/CE/2021-22/GL/15
Date: 28-02-2022

To,
Prof. Umesh Samarth
Asst. Professor,
J D College of Engineering, Nagpur

Appreciation Letter

Respected Sir,


It was a wonderful experience having you at Computer Engineering Department of Swaminarayan Siddhanta Institute of Technology, Kalmeshwar, Nagpur among all of us. We were truly motivated by your presence of compassion and vigor for **Guest Lecture on "Introduction to IoT and its application"** for third and final year students. We believe that this meeting of ours will certainly turn out to be a remarkable one for the budding engineer's in their field of excellence.

Sir, we would like to extend our humble gratitude to you for spending your precious time with us. It was our privilege to have you here with us.

Thanking you.




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Guest Lecture
On

"Introduction to IoT and its application"

Prof. Umesh Samarth
Asst. Professor at J D College of Engineering Nagpur

Organized By
Department of Computer Engineering

Swaminarayan Siddhanta Institute of Technology, Nagpur

Computer Engin...

Computer Engineering

Umesh S. Samarth

Amruta Sewale...

Amruta Sewaleam Nagde

Shailsh Faizan M...

Shailsh Faizan Mohd Ali

Go to Settings to activate Windows

Internet of People

Internet of People, 2010

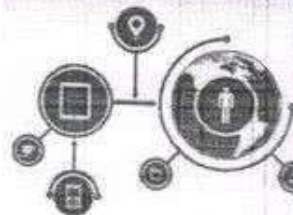


People connected to internet

World population – 6.88
Connected Devices – 12.5B (1.83x)

Internet of Things

Internet of Things, 2020



People connected to internet + Things connected to internet
+ Things connected to things

World population – 7.6B
Connected Things – 212B (27.89x)

Computer Engin...

Computer Engineering

Umesh S. Samarth

Amruta Sewale...

Amruta Sewaleam Nagde

Shailsh Faizan M...

Shailsh Faizan Mohd Ali

Go to Settings

Reference: IDC, Analytics Mason



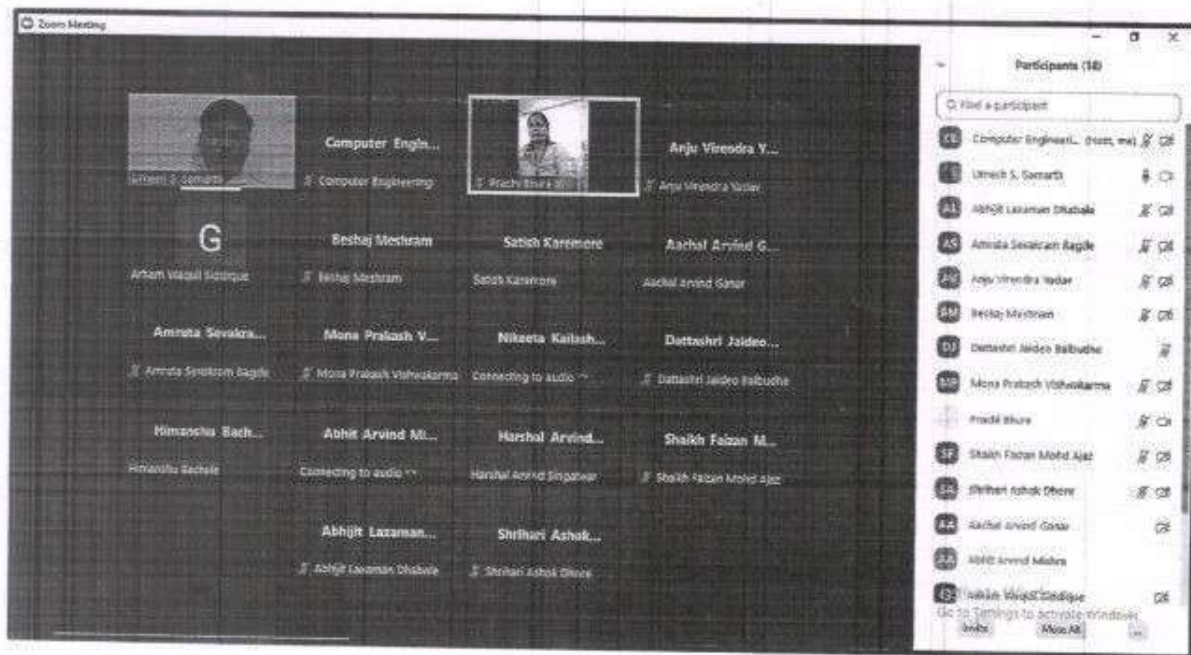
Principal

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ONE PAGE REPORT

| ONE PAGE REPORT ON | |
|----------------------------|--|
| Title | Guest Lecture |
| Name of Activity | Guest Lecture on "IoT and its application" in collaboration with IQAC |
| Date | 28/02/2022 |
| Venue | Zoom Platform |
| Organized by | Computer Engineering Department, SSIT, Nagpur |
| Name of Expert | Mr. Umesh Samarth Assistant Professor (CSE) JD College of Engineering , Nagpur |
| Participated by | Students of Computer Engineering Department, SSIT |
| Activity In-charge | Prof. Prachi Bhure |
| Content | The Guest lecture focuses on : 1. Introduction of Internet of things and its application. 2. IoT describes the network of physical objects that are embedded with sensors, softwares and other technologies. 3. IoT can automate lighting, cooling, security systems and other building functions. |
| Objective | The objectives of Guest Lecture was ; 1. To study the fundamentals about IoT and its applications. 2. IoT describes the network of things that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the internet. |
| Outcome of Activity | 1. Students come to know about the Internet of Things and its applications. 2. Students learnt about challenges and limitations of Internet of things and its applications. |



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Date: 28/02/2022

ATTENDANCE SHEET

Guest Lecture on "IoT and its application"

| Sr. No. | Name of Students | Attendance |
|---------|---------------------------|------------|
| 1. | HIMANSHU DEEPAK BACHALE | P |
| 2. | ABHIT ARVIND MISHRA | P |
| 3. | ABULE NIKITA KAILASH | P |
| 4. | SHAIKH ABBAS AHMED | P |
| 5. | MONA PRAKASH VISHWAKARMA | P |
| 6. | HARSHAL ARVIND SINGATWAR | P |
| 7. | SATISH DILIP KARMORE | P |
| 8. | BHESHAJ SURESH MESHRAM | P |
| 9. | SHAIKH FAIZAN MOHD AJAZ | P |
| 10. | ARHAM ABDUL WAKIL SIDDQUE | P |
| 11. | TANVI DEWANAND SHRIKHANDE | P |
| 12. | RANJEET MAROTI ZADE | P |
| 13. | BARAI DEVI SUKDEV | P |
| 14. | PADMAWAR PRAJWAL PRAKASH | P |
| 15. | KALSE VAIBHAV VISHNUPANTH | P |
| 16. | NAGRIKAR SOMESH VISHNU | P |
| 17. | SHINDE SWAPNIL GAJANAN | P |
| 18. | JIBHKATE MINAL SUNIL | P |



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Ref. No: SSIT/CE/2021-22/07

Date: 04/04/2022

Notice

All the students of B.Tech 4th sem Computer Engineering are hereby informed that, their sessional-01 examination have been scheduled from Wednesday 06/04/2022 to Friday 08/04/2022. Attendance is mandatory for everyone.


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Ref. No: SSIT/CE/2021-22/08


Date: 04/04/2022

Sessional Exam (01)
Time Table
B.Tech 4th sem

| Sr. No. | Subject Name | Date | Time |
|---------|--|------------|--------------------|
| 1 | Discrete Mathematics and Graph Theory | 06/04/2022 | 11:00am to 12:00pm |
| 2 | Web Technology | 06/04/2022 | 01:00pm to 2:00pm |
| 3 | Operating System | 07/04/2022 | 11:00am to 12:00pm |
| 4 | Data Structure | 07/04/2022 | 01:00pm to 2:00pm |
| 5 | Computer Architecture and Organization | 08/04/2022 | 11:00am to 12:00pm |
| 6 | System Programming | 08/04/2022 | 01:00pm to 2:00pm |

Instructions to students:

- The students must be present half an hour before the start of examination in the exam hall.
- The students are not allowed to carry any electronic equipment with them in the exam hall.
- Strictly follow the instructions given by examiner.
- Strictly follow the timing given in the schedule.


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Computer Department

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SESSIONAL -1
SESSION 2021-2022
SUBJECT: WEB TECHNOLOGY

| | | | |
|-----------------|----------------------|--|--------------------------|
| SEM: 4th | Max Marks: 20 | Time – 1 Hour (01.00 pm - 02:00 pm) | Date : 06/04/2022 |
|-----------------|----------------------|--|--------------------------|

Instructions:

1. Each question carry 1 mark
2. Solve any 20 Questions out of 25 Questions
3. Only one attempt is allowed

1. What does HTML stand for?
a. Hyper Text Markup Language
b. High Text Markup Language
c. Hyper Tabular Markup Language
d. None of these
CO1
2. Which of the following statements is true regarding HTTP?
a. Web browsers use only HTTP as a communication protocol with servers
b. It does not maintain any connection information on previous transactions
c. It is designed to route information based on content
d. It refers to resources using their Universal Resource Identifier
CO1
3. Which among the following options is correct regarding HTML?
a. Modelling Language
b. DTP language
c. Partial programming language
d. Used to structure web documents
CO1



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- 4 The attribute of <form> tag CO1
- a. Method
 - b. Action
 - c. Both (a)&(b)
 - d. None of these
- 5 The tag used to add images to the HTML document is CO1
- a. FONT>
 - b. <HR>
 - c. <HI>
 - d.
- 6is used to store the data within the documents on the server. CO1
- a. XML
 - b. HTML
 - c. DHTML
 - d. CGI
- 7 There are ____ levels of heading in HTML CO1
- a. Three
 - b. Four
 - c. Five
 - d. Six



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- 8 The purpose of markup is to.....
- a. add hypertext capabilities
 - b. enhance the document
 - c. both A & B
 - d. none of the above
- CO1
- 9 html comment should be enclosed between
- a. <!-- and -->
 - b. <! And !>
 - c. <!-- and --"
 - d. none of the above
- CO1
- 10 Example of picture editing software is
- a. ms paint
 - b. photoshop
 - c. animator pro
 - d. none of the above
- CO1
- 11 html document have a extension _____
- a. .htx or .html
 - b. .htm or .html
 - c. .hmt or hmtl
 - d. none of the above
- CO1
- 12 Which of the following is true....
- a. In tables, header cells are centred by default and the data cells are right-aligned.
 - b. In the case of character formatting the tag <TW> is used for typewriter-like text
 - c. Unordered list starts with and ends with
 - d. <SUPR> tag is used for superscripts text
- CO1



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- 18 What will be the output of following CSS code snippet?
- a. nothings happen
 - b. error occurs
 - c. heading becomes dark-green
 - d. heading becomes green
- 19 Which of the following CSS style property is used to specify an italic text?
- a. color: red, text-decoration: underline works
 - b. only font-style: italic works
 - c. color: red, text-decoration: underline and font-style: italic all works
 - d. text-decoration: underline and font-style: italic works
- 20 Which of the following CSS property sets the font size of text?
- a. font-size
 - b. text-size
 - c. text
 - d. size
- 21 Which of the following CSS property sets what kind of line decorations are added to an element, such as underlines,overlines,etc?
- a. text-decoration
 - b. text-style
 - c. text-decoration-line
 - d. text-line
- 22 Which of the following CSS property specifies the look and design of an outline?
- a.outline-style
 - b. outline-format
 - c. outline-font
 - d. none of the mentioned



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- 18 What will be the output of following CSS code snippet?
- a. nothings happen
 - b. error occurs
 - c. heading becomes dark-green
 - d. heading becomes green
- 19 Which of the following CSS style property is used to specify an italic text?
- a. color: red, text-decoration: underline works
 - b. only font-style: italic works
 - c. color: red, text-decoration: underline and font-style: italic all works
 - d. text-decoration: underline and font-style: italic works
- 20 Which of the following CSS property sets the font size of text?
- a. font-size
 - b. text-size
 - c. text
 - d. size
- 21 Which of the following CSS property sets what kind of line decorations are added to an element, such as underlines,overlines,etc?
- a. text-decoration
 - b. text-style
 - c. text-decoration-line
 - d. text-line
- 22 Which of the following CSS property specifies the look and design of an outline?
- a.outline-style
 - b. outline-format
 - c. outline-font
 - d. none of the mentioned



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- 23 Which of the following CSS property sets the shadow for a box element?
- a. set-shadow
 - b. box-shadow
 - c. shadow
 - d. canvas-shadow
- CO2
- 24 Which of the following CSS Property controls how an element is positioned?
- a. static
 - b. position
 - c. fix
 - d. set
- CO2
- 25 Which of the following CSS Property sets the stacking order of positioned elements?
- a. y-index
 - b. z-index
 - c. x-index
 - d. all of the mentioned
- CO2




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Swaminarayan Siddhanta Institute of Technology
Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University
Nagpur-Katol Highway Road, Khapri (Kothe),
Tal: Kalmeshwar, Nagpur, Maharashtra-441501
Department of Computer Engineering




Date: 11/04/2022

SLOW LEARNER LIST
Semester : B.Tech. 4th Summer 2022
Subject: Web Technology

| Sr. No. | Roll No. | Name of the students | Sessional 01 |
|---------|----------|----------------------|--------------|
| | | | Marks |
| 1 | 5 | Karan Raut | 8 |
| 2 | 9 | Swapnil Shinde | 6 |
| 3 | 13 | Abhijit Dhabale | 5 |


Subject In-Charge


Dept. of Computer Engg.
Swaminarayan Siddhanta Institute of Technology, Kalmeshwar, Nagpur-441501

Copy to:

- 1) Principal
- 2) Dean Academics
- 3) Circulation among Students
- 4) Circulation among Teaching Staff
- 5) All Notice Board
- 6) Concerned Persons




Principal
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Dist. Nagpur-441501



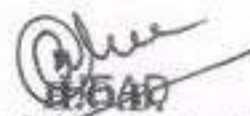
Date: 12/04/2022

SLOW LEARNER TIMETABLE SCHEDULE

B.Tech 4th Sem Summer 2022

Session 2021-2022

| Sr. No. | Day | Subject | Time |
|---------|-----------|---------|----------|
| 1 | Monday | DMGT | 4-15-5pm |
| 2 | Tuesday | WT | 4-15-5pm |
| 3 | Wednesday | OS | 4-15-5pm |
| 4 | Thursday | DMGT | 4-15-5pm |
| 5 | Friday | WT | 4-15-5pm |
| 6 | Saturday | OS | 4-15-5pm |


 HEAD

Dept. of Computer Engg.
 Swaminarayan Siddhanta Institute
 of Technology, Kalmeshwar, Nagpur

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Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University

Nagpur-Katol Highway Road, Khapri (Kothe),

Tal: Kalmeshwar, Nagpur, Maharastra-441501

Department of Computer Engineering




Ref. No: SSIT/CE/2021-22/02

Date: 02/05/2022

Notice

All the students of B.Tech 4th sem Computer Engineering are here by informed that, their sessional-02 examination have been scheduled from Wednesday 04/05/2022 to Friday 06/05/2022. Attendance is mandatory for everyone.


Head of Department
Dept. of Computer Engg.
Swaminarayan Siddhanta Institute of Technology, Kalmeshwar, Nagpur
Computer Department

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Principal
Swaminarayan Siddhanta Institute
of Technology, Kalmeshwar,
Dist. Nagpur-441501



Ref. No: SSIT/CE/2021-22/03

Date: 02/05/2022

Sessional Exam (02)
Time Table
B.Tech 4th sem

| Sr. No. | Subject Name | Date | Time |
|---------|--|------------|--------------------|
| 1 | Discrete Mathematics and Graph Theory | 04/05/2022 | 11:00am to 12:00pm |
| 2 | Web Technology | 04/05/2022 | 01:00pm to 2:00pm |
| 3 | Operating System | 05/05/2022 | 11:00am to 12:00pm |
| 4 | Data Structure | 05/05/2022 | 01:00pm to 2:00pm |
| 5 | Computer Architecture and Organization | 06/05/2022 | 11:00am to 12:00pm |
| 6 | System Programming | 06/05/2022 | 01:00pm to 2:00pm |

Instructions to students:

- The students must be present half an hour before the start of examination in the exam hall.
- The students are not allowed to carry any electronic equipment with them in the exam hall.
- Strictly follow the instructions given by examiner.
- Strictly follow the timing given in the schedule.

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Ref. No: SSIT/CE/2021-22/20

Date: 26/05/2022

Notice

All the students of B.Tech 4th sem Computer Engineering are here by informed that, their PUT examination have been scheduled from Monday 30/05/2022 to Saturday 04/06/2022. Attendance is mandatory for everyone.


Dean,
Dept. of Computer Engg
Swaminarayan Siddhanta
Institute of Technology, Kalmeshwar, N.

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Ref. No: SSIT/CE/2021-22/21


Date: 26/05/2022

**PUT Examination
Time Table
B.Tech 4th sem**

| Sr. No. | Subject Name | Date | Time |
|---------|--|------------|----------------------|
| 1 | Discrete Mathematics and Graph Theory | 30/05/2022 | 11:00 AM TO 02:00 PM |
| 2 | Web Technology | 31/05/2022 | 11:00 AM TO 02:00 PM |
| 3 | Operating System | 01/06/2022 | 11:00 AM TO 02:00 PM |
| 4 | Data Structure | 02/06/2022 | 11:00 AM TO 02:00 PM |
| 5 | Computer Architecture and Organization | 03/06/2022 | 11:00 AM TO 02:00 PM |
| 6 | System Programming | 04/06/2022 | 11:00 AM TO 02:00 PM |

Instructions to students:

- The students must be present half an hour before the start of examination in the exam hall.
- The students are not allowed to carry any electronic equipment with them in the exam hall.
- Strictly follow the instructions given by examiner.
- Strictly follow the timing given in the schedule.


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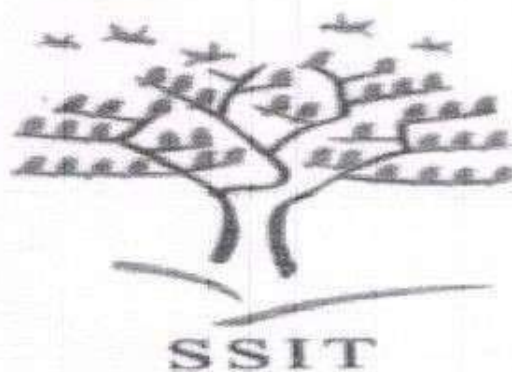
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COMPUTER ENGINEERING DEPARTMENT

Session: 2021-2022

Semester: B. Tech 4th Sem (Second Year)

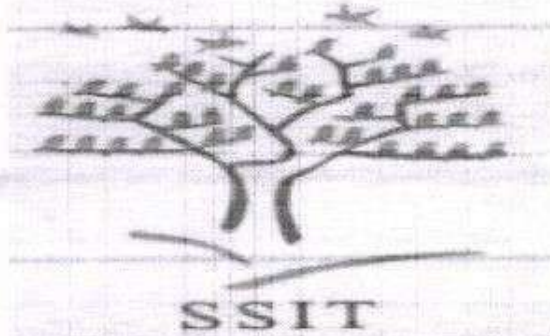
Subject: Operating System Lab

Student Name :... *Amruta S. Bagde*
Roll. No. :... *05*
Enrollment No :... *-*
Practical Incharge :... *Vijeta Ramteke*



[Signature]
Principal
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CERTIFICATE

This is certified that Mr. / Ms. / Mrs. Amruta S. Bagde student of
B.Tech. 4th semester has satisfactorily completed 10 no. of Experiments in the subject
Operating System during the academic year 2021-2022.

His / Her conduct and attendance inside the laboratory was satisfactory / not satisfactory.


Date: 06/06/2022

Signature of Teacher VR


HEAD
Dept. of Computer Engg.
Signature of H.O.D.
Swaminarayan Siddhanta Institute
of Technology, Kalmeshwar, N.

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INDEX

| Exp. No. | Division of Experiments | List of Experiments | Page No. | Date | Sign | Marks |
|----------|--------------------------------|---|----------|----------|------|-------|
| 1 | CPU Scheduling Algorithms | Write a C program to simulate the following non-preemptive CPU scheduling algorithms to find turnaround time and waiting time. a) FCFS b) SJF c) Round Robin (pre-emptive) | 2-6 | 12/03/22 | | 08 |
| 2 | | *Write a C program to simulate multi-level queue scheduling algorithm considering the following scenario. All the processes in the system are divided into two categories – system processes and user processes. System processes are to be given higher priority than user processes. Use FCFS scheduling for the processes in each queue. | 7-8 | 23/03/22 | | 09 |
| 3 | File Allocation Strategies | Write a C program to simulate the following file allocation strategies. a) Sequential b) Indexed c) Linked | 9-13 | 30/03/22 | | 10 |
| 4 | Memory Management Techniques | Write a C program to simulate the MVT and MFT memory management techniques. | 14-16 | 06/04/22 | | 09 |
| 5 | | *Write a C program to simulate the following contiguous memory allocation techniques a) Worst-fit b) Best-fit c) First-fit | 17-20 | 13/04/22 | | 09 |
| 6 | | Write a C program to simulate paging technique of memory management. | 21-22 | 20/04/22 | | 08 |
| 7 | File Organization Techniques | Write a C program to simulate the following file organization techniques a) Single level directory b) Two level directory | 23-30 | 27/04/22 | | 09 |
| 8 | Deadlock Management Techniques | Write a C program to simulate Bankers algorithm for the purpose of deadlock avoidance. | 31-33 | 06/05/22 | | 08 |
| 9 | | *Write a C program to simulate disk scheduling algorithms a) FCFS b) SCAN c) C-SCAN | 34-37 | 11/05/22 | | 10 |
| 10 | Page Replacement Algorithm | Write a C program to simulate page replacement algorithms a) FIFO b) LRU c) LFU | 38-43 | 25/05/22 | | 09 |

Date: 06/06/2022



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Signature of Teacher



Continuous Internal Evaluation (CIE) Policy

Continuous Internal Evaluation (Theory)

| Sr.No. | Particular | % of Marks |
|--------|---------------------------------|------------|
| 1 | Attendance | 25 |
| 2 | Assignment | 25 |
| 3 | Test Papers (Best of Two + PUT) | 50 |
| 4 | Total | 100 |

Continuous Internal Evaluation (Practical)

| Sr.No. | Particular | % of Marks |
|--------|--------------------------------|------------|
| 1 | Attendance | 20 |
| 2 | Continuous Assessment | 40 |
| 3 | Record Keeping (Record + Viva) | 40 |
| 4 | Total | 100 |

Continuous Internal Evaluation (Seminar)

| Sr.No. | Particular | % of Marks |
|--------|----------------------------------|------------|
| 1 | Punctuality | 20 |
| 2 | Experimentation/ Data Collection | 20 |
| 3 | Knowledge | 20 |
| 4 | Seminar/ Presentation | 20 |
| 5 | Report (Synopsis/ Thesis) | 20 |
| 6 | Total | 100 |

Continuous Internal Evaluation (Project)

| Sr.No. | Particular | % of Marks |
|--------|----------------------------------|------------|
| 1 | Punctuality | 20 |
| 2 | Experimentation/ Data Collection | 20 |
| 3 | Knowledge | 20 |
| 4 | Seminar/ Presentation | 20 |
| 5 | Report (Synopsis/ Thesis) | 20 |
| 6 | Total | 100 |



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