MANDATORY DISCLOSURES

18.1 Name of the Institution

- SIDDHIVINAYAK TECHNICAL CAMPUS
  Shirasgaon Nile, Khamgaon Road, Shegaon – 444203
  Mobile No: 8080977719
  Email- stc.shegaon@stc.org.in
  Website- stc.org.in

18.2 Name and address of the Trust/Society/Company and the Trustees

- Shri Sagar Pandurang Fundkar
  Chairman
  Vasundhara Bahuddeshiya Samajik Sanstha
  Madhav Nagar, Khamgaon.
  Mobile No. +91 9422881333.
  Email: sagarpf@gmail.com
- **Trustees**

SN	Name of the Trustee	Designation
1	Shri. Sagar Pandurang Fundkar	Chairman
2	Shri. Akash Pandurang Fundkar	Vice. Chairman
3	Shri. Kedar Kashinath Ekade	Secretary
4	Smt. Sunita Pandurang Fundkar	Member
5	Sau. Kasturi Rameshwar Fundkar	Member
6	Sau. Kavita Madhukar Wadode	Member
7	Sau. Lalita Avadhut Rahane	Member

18.3 Name and Address of the Vice Chancellor/Principal/Director

- Dr. Anant G. Kulkarni
  Siddhivinayak Technical Campus,
  Shirasgaon Nile, Khamgaon Road, Shegaon – 444203
  Mobile No. +91 09826181319
  Email- dranantgkulkarni@stc.org.in
  Social media:
  LinkedIn: https://www.linkedin.com/in/dr-anant-g-kulkarni-014b823a/
  Instagram: https://www.instagram.com/dranantgkulkarni/

18.4 Name of the affiliating University

- Sant Gadge Baba Amaravati University, Amravati, Maharashtra.

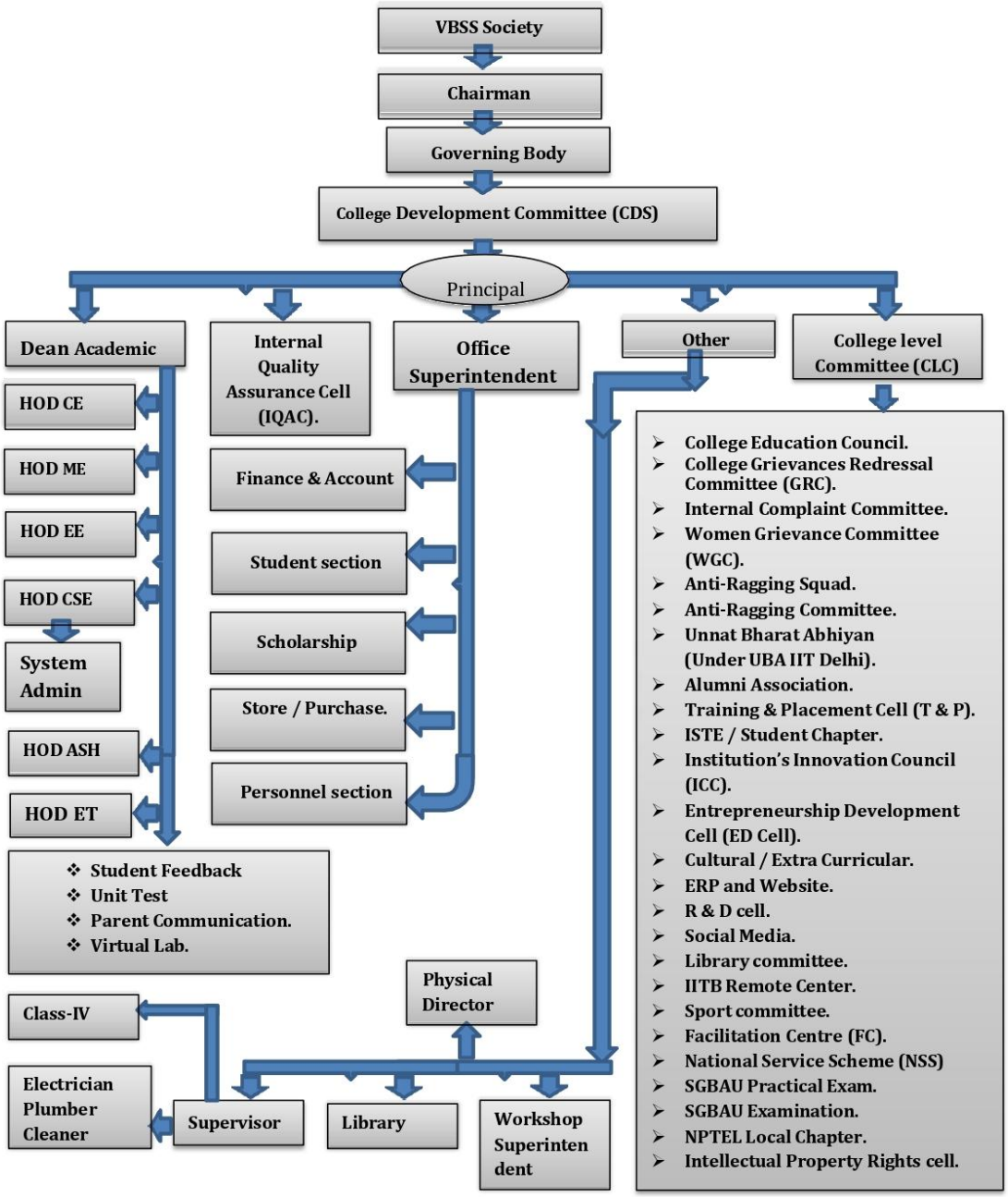
18.5 Governance

i. Organizational chart

Vasundhara Bahuddeshiya Samajik Sanstha's

SIDDHIVINAYAK TECHNICAL CAMPUS, SHEGAON

ORGANIZATIONAL STRUCTURE OF THE INSTITUTION



ii. **Grievance Redressal mechanism for Faculty, staff and students**

As per the All-India Council for Technical Education (redressal for Grievance of Students) Regulations, 2019 vide F. No. 1-101/PGRC/AICTE/regulations/2019 dated 07.11.2019 for establishment of grievance redressal mechanism for all AICTE approved technical institutions, the Online Grievance Redressal Mechanism has been adopted for the Student, Teacher/ Non-Teaching staff, Admin and Parent.
Following is the link:

https://www.stc.org.in/files/GRC%202023.pdf

iii. **Establishment of Anti Ragging Committee**

According to All India Council Technical Education (AICTE) notified regulation for prevention and prohibition of ragging in AICTE approved technical institutions vide No. 37-3/Legal/AICTE/2009 dated 01/07/2009, We have established the Anti-Ragging committee and Anti-Ragging Squad at Siddhivinayak Technical Campus, Shegaon.

SN	Name of member	Status in Anti-ragging Committee	E-mail Id
1	Dr. Anant G. Kulkarni	Head of the Institution	dranantgkulkarni@stc.org.in
2	Mr. Rahul Manakrao Janjal	Asst. Police Inspector, Shegaon	rahuljanjal007@gmail.com
3	Mr. Sanjay Purwar	Local Media	satishappa@gmail.com
4	Adv. Akash P. Fundkar	Non-Government Organizations	mla.akashf@gmail.com
5	Soham Deshpande	Alumni	soham.deshpande@stc.org.in
6	Prof. S.P.Gotmare	Representatives of Faculty members	swapnilgotmare975@gmail.com
7	Prof. Dhiraj Wankhede	Representatives of Faculty members	dhirajwankhede205@gmail.com
8	Prof. N. G. Metange	Representatives of Faculty members	naresh.metange@stc.org.in
9	Prof. Y.G.Katole	Representatives of Faculty members	yogeshkatole10@gmail.com
10	Prof. Pratik Deshmukh	Representatives of Faculty members	psdeshmukh9999@gmail.com
11	Prof. R.S.Bihade	Representatives of Faculty members	radhikaastc@gmail.com
12	Mr. Shivaji Rahane	Non-Teaching Staff	shivajirahane29@gmail.com
13	Mr. Prashant V. Wadode	Representatives of students	prashant.v.wadode123@gmail.com
14	Miss Mirabai A. Junare	Representatives of students	mirajunare2001@gmail.com
15	Mr. Vitthal L. Wadode	Representatives of parents	vitthalwadode100@gmail.com
16	Mr. Ambadas Junare	Representatives of parents	ambadasjunare123@gmail.com

Also, we have established the Anti-Ragging Squad committee at Siddhivinayak Technical Campus, Shegaon.

SN	Name of member	Designation	E-mail Id
1	Prof. Swapnil P. Gotmare (Assistant Professor)	Chairman	swapnilgotmare975@gmail.com
2	Prof. N. G. Metange (Assistant Professor)	Vice Chairman	naresh.metange@stc.org.in
3	Prof. A. B. Adhao (Assistant Professor)	Member	atul.adhao@stc.org.in
4	Prof. P. R. Dalvi (Assistant Professor)	Member	dalvipooja0995@gmail.com
5	Prof. Pratiksha mhasal (Assistance Professor)	Member	pratikshamhasal0@gmail.com
6	Prof. Pratik Deshmukh (Assistant Professor)	Member	psdeshmukh9999@gmail.com
7	Shri. D. S. Fundkar	Non-teaching staff	dnyaneshwar.fundkar@stc.org.in
8	Mr. Tejas dhumale	Student Volunteer	tejasdhumale7772@gmail.com
9	Miss. Nikita Gawande	Student Volunteer	gawandenikita62@gmail.com

iv. Establishment of Online Grievance Redressal Mechanism

https://docs.google.com/forms/u/1/d/e/1FAIpQLSfJbnFZ3atOdRnSKZfPC49wRPx41hD2UpICIqzWvKVjykvjpA/viewform?pli=1

v. Details of Grievance Redressal Committee in the Institution and OMBUDSMAN by the University

Ref:No.STC/SERT/Off.Order/ 4991-1I/2017
Date: 01/09/2017

"Ombudsman" of the college

Sr. No.	Name Of Member	Designation	Contact No.	E-Mail Id
1	Dr. S. A. Ladhakhe	Principal, Sipna College Of Engg. & Technology Amravati.	7212522343	principal@sipnaengg.ac.in
2	Dr. K.D. Chinchkhede	Pgtd, Sgbau,Amravati.	9890997024	krish.chinchkhede@gmail.com
3	Dr. Manisha Kale	Pgtd Sgbau Amravati.	9823953434	manishakale@sgbau.ac.in
4	Mr. D.K. Joshi	Registrar, SGB Amravati University	7212662358	hoc@sgbau.ac.in

- The Committee is requested to Contribute effectively to dispose the grievances at the earliest. A registry to register the compliant is established and kept in the Principal office.
- On receipt of the Compliant, the staff incharge of the registry will submit the same to the Member Secretary of the "Grievance Redressal Committee".
- The Committee will meet, with an information to the complainant on their day of Convenience. An aggrieved Student or Parent may appear in person to present his/her case.
- In the case, the complainant not satisfied with the decision of the Committee, they may send their appeals to the "OMBUDSMAN" appointed by the college.
- The OMBUDSMAN will fix a date for hearing the Complainant which shall be communicated to the Institute and the aggrieved person. The Institution shall comply with the order of the ombudsman.
- Any order of the OMBUDSMAN not complied with by the Institution, will be reported to AICTE for appropriate action.
- In case of any false/frivolous Complaint, the ombudsman may order appropriate action against Complaint.

Principal
Principal
STC School of Engineering & Research Technology
Shegaon Road, Khamgaon 444 303

Copy to: 1) VBSS, Chairman
2) All above members
3) Office copy

vi. Establishment of Internal Committee (IC)

As per the directions of AICTE, Institute has constituted the Internal Complaints Committee (ICC) for Gender Sensitization, Prevention and Prohibition of Sexual Harassment of Women Employees and Students and Redressal of Grievances in Technical Institutions. This is in compliance with the Ministry of Human Resource Development, Govt. of India, (All India Council for Technical Education, Official Gazette Notification, Dated: 10th June, 2016, vide AICTE No.: F.AICTE/WH/2016/01, Regulations, 2016).

Sr. No	Name of member	Designation	Role	E-mail ID
1	Prof. P. R. Dalvi	Woman Faculty Member	Presiding Officer	dalvipooja0995@gmail.com
2	Dr. Shubhangi Patil	One External Member	Member	shubhangipatil@gmail.com
3	Prof. N. G. Metange	Faculty Member	Member	naresh.metange@stc.org.in
4	Prof. Shweta Rathod	Faculty Member	Member	shwetar696@gmail.com
5	Mr. Shivaji Rahane	Non-Teaching Faculty Member	Member	Shivajirahane29@gmail.com
6	Mr. Amol Lande	Non-Teaching Faculty Member	Member	amol11lande@gmail.com
7	Ku. Shejal Kale	First Year	Member	shejalkale123@gmail.com
8	Ku. Swarali Mukund	Second Year	Member	swaralimukund@gmail.com
9	Ku. Sakshi Dutonde	Third Year	Member	sakshidutonde@gmail.com

vii. Establishment of Committee for SC/ST

As per AICTE guidelines, a committee is formed for prevention of atrocities against SC/ST students under the Act No. 33 of 1989, Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Act, 1989. *The Scheduled Caste (SC) and Scheduled Tribes (ST) Cell in an institute promotes the special interests of students in the reserved category.* In case of any grievance in this regard, students can approach the committee for redress.

Sr. No	Name of member	Designation	E-mail Id
1	Prof. D. G. Wankhede (Asst. Prof. Civil Engg.)	Chairman	dhiraj.wankhede@stc.org.in
2	Prof. R. P. Gajbe	Member	riteshkumargajbe@gmail.com

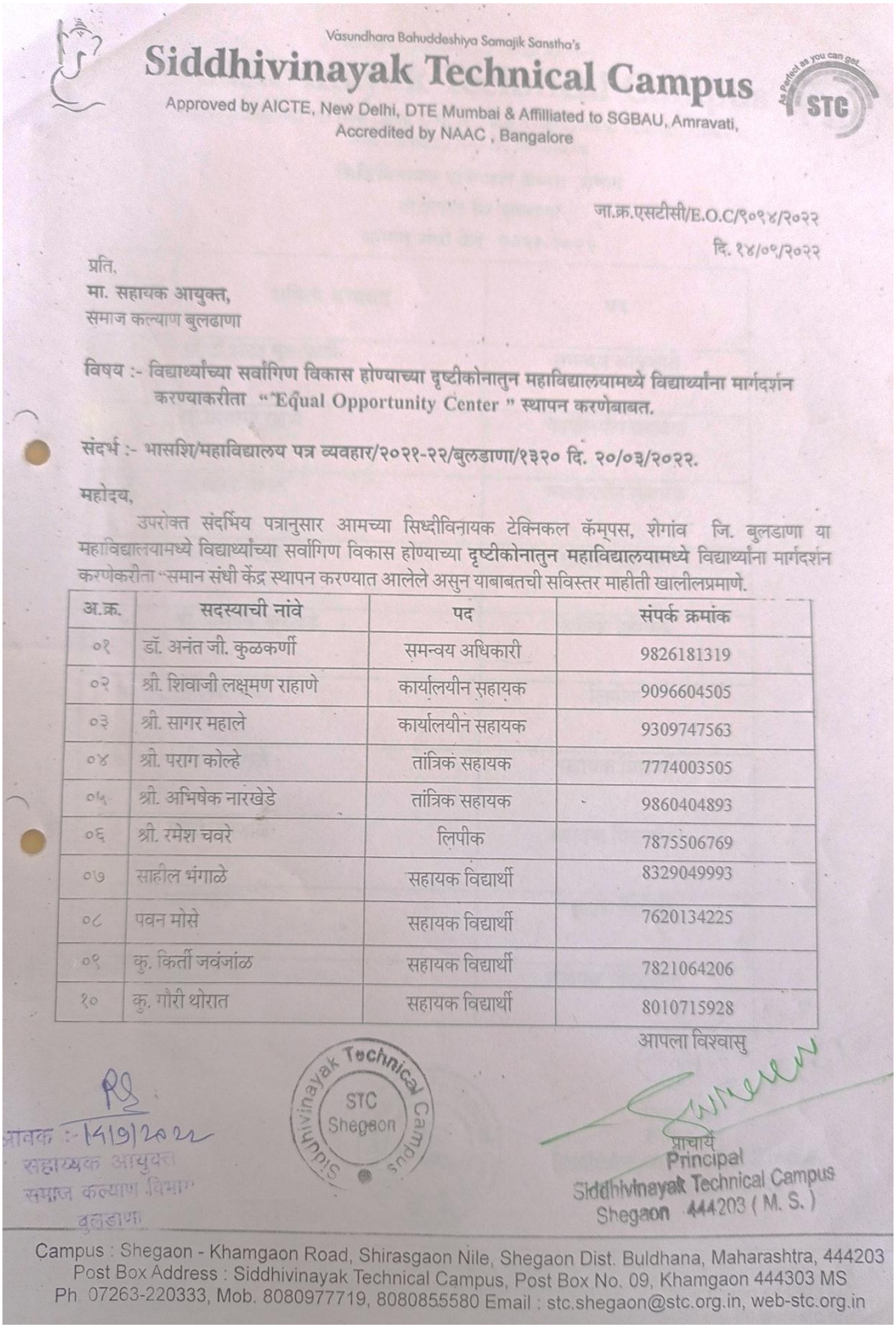
	(Asst. Prof. Mech. Engg.)		
3	Prof. S. P. Gotmare (Asst. Prof. ASH Dept.)	Member	swapnilgotmare975@gmail.com
4	Prof. D. B. Sawale (Asst. Prof. CSE Engg.)	Member	dnyaneshwarsawale2013@gmail.com
5	Mr. Sagar Mahale (Clerk Scholarship Section)	Member	sagarmahale927@gmail.com

viii. Internal Quality Assurance Cell

Institute has established IQAC committee for organized academic and administrative process. IQAC is one of them. Prof. Dhiraj G. Wankhede is overall coordinator of all committees. Following are the IQAC committee members;

Sr. No.	Name of Member	Designation	Position
1.	Dr. Anant G. Kulkarni	Principle	Chairperson
2.	Prof. Pratik Deshmukh	Assistant Professor, Electronics & Telecommunication Engineering	Teacher Representative (Three to eight)
3.	Prof. Radhika Bihade	HOD - Electrical Engineering	
4.	Prof. Yogesh Katole	HOD-Computer Science & Engineering	
5.	Prof. Swapnil Gotmare	HOD- ASH Department	
6.	Prof. Naresh Metange	HOD – Mechanical Engineering	
7.	Mr. Sagar P. Fundkar	Chairman	Management Member
8.	Mr. Shivaji L. Rahane	Office Superintendent	Administrative Officers Representative
9.	Mr. Amol Lande	Clerk Account	
10.	Mr. Swapnil M. Wadode	Alumni	Local Society, Student & Alumni
11.	Mr. Shashank P. Deshpande	Industrialists	Employers/Industrialists/Stakeholders
12.	Mr. Satish Rathi	Industrialists	
13.	Prof. Dhiraj G. Wankhede	HOD- Civil Engineering	IQAC Coordinator

ix Equal Opportunity facilities Cell.



Vasundhara Bahuddeshiya Samajik Sanstha's

Siddhivinayak Technical Campus

Approved by AICTE, New Delhi, DTE Mumbai & Affilliated to SGBAU, Amravati,
Accredited by NAAC , Bangalore

STC

जा.क्र.एसटीसी/E.O.C/९०९४/२०२२

दि. १४/०९/२०२२

प्रति,
मा. सहायक आयुक्त,
समाज कल्याण बुलढाणा

विषय :- विद्यार्थ्यांच्या सर्वांगिण विकास होण्याच्या दृष्टीकोनातुन महाविद्यालयामध्ये विद्यार्थ्यांना मार्गदर्शन करण्याकरीता "Equal Opportunity Center" स्थापन करणेबाबत.

संदर्भ :- भासशि/महाविद्यालय पत्र व्यवहार/२०२१-२२/बुलडाणा/१३२० दि. २०/०३/२०२२.

महोदय,

उपरोक्त संदर्भिय पत्रानुसार आमच्या सिध्दीविनायक टेक्निकल कॅम्पस, शेगांव जि. बुलडाणा या महाविद्यालयामध्ये विद्यार्थ्यांच्या सर्वांगिण विकास होण्याच्या **दृष्टीकोनातुन महाविद्यालयामध्ये** विद्यार्थ्यांना मार्गदर्शन करणेकरीता "समान संधी केंद्र स्थापन करण्यात आलेले असुन याबाबतची सविस्तर माहीती खालीलप्रमाणे.

अ.क्र.	सदस्याची नांवे	पद	संपर्क क्रमांक
०१	डॉ. अनंत जी. कुळकर्णी	समन्वय अधिकारी	9826181319
०२	श्री. शिवाजी लक्ष्मण राहाणे	कार्यालयीन सहायक	9096604505
०३	श्री. सागर महाले	कार्यालयीन सहायक	9309747563
०४	श्री. पराग कोल्हे	तांत्रिक सहायक	7774003505
०५	श्री. अभिषेक नारखेडे	तांत्रिक सहायक	9860404893
०६	श्री. रमेश चवरे	लिपीक	7875506769
०७	साहील भंगाळे	सहायक विद्यार्थी	8329049993
०८	पवन मोसे	सहायक विद्यार्थी	7620134225
०९	कु. किर्ती जवंजांळ	सहायक विद्यार्थी	7821064206
१०	कु. गौरी थोरात	सहायक विद्यार्थी	8010715928

आपला विश्वासु

Siddhivinayak Technical Campus STC Shegaon

प्राचार्य
Principal
Siddhivinayak Technical Campus
Shegaon 444203 (M. S.)

आवक :- 14/9/2022
सहाय्यक आयुक्त
समाज कल्याण विभाग
बुलडाणा

Campus : Shegaon - Khamgaon Road, Shirasgaon Nile, Shegaon Dist. Buldhana, Maharashtra, 444203
Post Box Address : Siddhivinayak Technical Campus, Post Box No. 09, Khamgaon 444303 MS
Ph. 07263-220333, Mob. 8080977719, 8080855580 Email : stc.shegaon@stc.org.in, web-stc.org.in

18.6 Programmes

i. Name of Programmes approved by AICTE

Sr. No.	Name of the Programme
1	Engineering & Technology

ii. Name of Programmes Accredited by NBA:

iii. Status of Accreditation of the Courses:

iv. Total number of Courses- 05

v. For each Programme the following details are to be given (Preferably in Tabular form):

a. Name

b. Number of seats

c. Duration

d. Cut off marks/rank of admission during the last years

Table-01

Sr. No.	Name of Course	Number of Seats	Duration
1	Civil Engineering	30	4 Years
2	Computer Science & Engineering	30	4 Years
3	Electrical Engineering (Electronics & Power)	30	4 Years
4	Electronics & Telecommunications Engineering	30	4 Years
5	Mechanical Engineering	30	4 Years

Table-02

Academic Year	Branch	Cut off marks/rank of admission during the last years						
		SC	VJ	NT-1	NT-2	NT-3	OBC	OPEN
2021-2022	Civil Engineering							97335 (6.74)
	Computer Science & Engineering	9680 (15.67)					9494 (16.41)	86282 (23.70)
	Mechanical Engineering							
	Electrical Engineering (Electronics & Power)							72429 (41.55)

	Electronics & Telecommunications Engineering							57183 (58.05)
2022-2023	Civil Engineering							
	Computer Science & Engineering	91516 (39.42)		111831 (16.74)		61003 (64.49)	26479 (85.72)	83759 (46.44)
	Mechanical Engineering							96276 (35.14)
	Electrical Engineering (Electronics & Power)							117103 (9.24)
	Electronics & Telecommunications Engineering	106216 (23.48)		108627 (20.82)			103055 (27.33)	94211 (22.03)
2023-2024	Civil Engineering							128021 (22.03)
	Computer Science & Engineering		129381 (20.56)	114199 (36.58)			107301 (42.92)	95636 (52.24)
	Mechanical Engineering							136929 (11.09)
	Electrical Engineering (Electronics & Power)							125046 (25.54)
	Electronics & Telecommunications Engineering				132011 (17.59)		142702 (1.15)	125435 (25.20)

vi. Fee (as approved by the state government)

Sr. No.	Name of Course	Number of Seats	Fee (as approved by the state government)
1	Civil Engineering	30	Tuition Fees: Rs. 28648, Development Fees: Rs. 3352 Total Fees per year: Rs. 32000
2	Computer Science & Engineering	30	
3	Electrical Engineering (Electronics & Power)	30	
4	Electronics & Telecommunications Engineering	30	
5	Mechanical Engineering	30	

vii. Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details, if any:

a. Details of the Foreign University, if any
b. Name of the University
c. Address
d. Website
e. Accreditation status of the University in its Home Country
f. Ranking of the University in the Home Country
g. Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both with in and outside the country
viii. Nature of Collaboration
ix. Complete details of payment a student has to make to get the full benefit of Collaboration
x. For each Programme Collaborated provide the following:
xi. Programme Focus
xii. Number of seats
xiii. Admission Procedure
xiv. Fee (as approved by the state government)
xv. Whether the Collaboration Programme is approved by AICTE?
If not whether the Domestic/ Foreign University has applied to AICTE for approval.

18.7 Faculty

i. Course/Branch wise list Faculty members:

ii. Permanent Faculty

iii. Adjunct Faculty

iv. Permanent Faculty: Student Ratio = **29:258**

Sr. No	Name of Staff	Branch	Gender	Designation	Appointment Type
1	Dr. Anant G. Kulkarni	Electronics & Telecommunications Engineering	Male	Principal	Regular & Approved
2	Prof. Shraddha Kadukar	Electronics & Telecommunications Engineering	Female	Asst. Professor	Regular
3	Prof .Darshana Sarnaik	Electronics & Telecommunications Engineering	Female	Asst. Professor	Regular
4	Prof.Pratik Deshmukh	Electronics & Telecommunications Engineering	Male	Asst. Professor	Regular
5	Prof. Naresh Metange	Mechanical Engineering	Male	Asst. Professor	Regular & Approved
6	Prof. Ankush Bhalekar	Mechanical Engineering	Male	Asst. Professor	Regular
7	Prof. Riteshkumar	Mechanical	Male	Asst.	Regular

	Gajbe	Engineering		Professor	
8	Prof. Ananta Mahale	Mechanical Engineering	Male	Asst. Professor	Regular
9	Dr.Bablu Kumar Jha	Mechanical Engineering	Male	Asst. Professor	Regular
10	Prof. Nikita Ingole	Mechanical Engineering	Female	Asst. Professor	Regular
11	Prof. Dhiraj Wankhede	Civil Engineering	Male	Asst. Professor	Regular
12	Prof. Atul Adhao	Civil Engineering	Male	Asst. Professor	Regular
13	Prof. Vaishnavi Borde	Civil Engineering	Female	Asst. Professor	Regular
14	Prof. Vilas Chavan	Civil Engineering	Male	Asst. Professor	Regular
15	Prof. Rutuja Fundkar	Civil Engineering	Female	Asst. Professor	Regular
16	Prof. Radhika Bihade	Electrical Engineering (Electronics & Power)	Female	Asst. Professor	Regular
17	Prof. Bharati Bhambere	Electrical Engineering (Electronics & Power)	Female	Asst. Professor	Regular
18	Prof. Kanchan Kankale	Electrical Engineering (Electronics & Power)	Female	Asst. Professor	Regular
19	Prof. Puja Dalvi	Electrical Engineering (Electronics & Power)	Female	Asst. Professor	Regular
20	Prof. Palak Sharma	Electrical Engineering (Electronics & Power)	Female	Asst. Professor	Regular
21	Prof. Yogesh Katole	Computer Science & Engineering	Male	Asst. Professor	Regular
22	Prof. Shweta Rathod	Computer Science & Engineering	Female	Asst. Professor	Regular
23	Prof. Pratikasha Mhasal	Computer Science & Engineering	Female	Asst. Professor	Regular
24	Prof.Gayatri More	Computer Science & Engineering	Female	Asst. Professor	Regular
25	Prof.Mayuri Kulkarni	Computer Science & Engineering	Female	Asst. Professor	Regular
26	Prof.Dnyaneshwar Sawale	Computer Science & Engineering	Male	Asst. Professor	Regular
27	Prof.Swapnil Gotmare	Applied Science & Humanity Dept.	Male	Asst. Professor	Regular
28	Prof.Bhushan Mohod	Applied Science & Humanity Dept.	Male	Asst. Professor	Regular
29	Prof.Shubhangi Khodke	Applied Science & Humanity Dept.	Female	Asst. Professor	Regular

18.8 Profile of Vice Chancellor/Director/Principal/Faculty

Name of Principal:	Dr. Anant G. Kulkarni
Date of Birth:	13/10/1972
Unique ID:	342653303026
Education Qualifications:	PhD (Electronics & Communication Engineering), ME in Electronics Engineering, B.E. [I. Electronics Engineering]
Work Experience:	27 Years
Teaching/ Research/ Industry/ Others:	27 Years
Area of Specialization:	Signals and Systems, Digital Signal Procession, FFT, Fuzzy Logic,
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level:	UG
Research guidance (Number of Students):	2 students (PhD Awarded) 3 students (Registered)
No. of papers published in National/International Journals/Conferences:	National Conference-02 International Conference-19
Master (Completed/Ongoing):	07
Ph.D. (Completed/Ongoing):	02 Completed, 03 Ongoing
Projects Carried out:	00
Patents (Filed & Granted):	02
Technology Transfer;	00
Research Publications (No. of papers published in National/International Journals/Conferences):	International Conference-01 International Journals-19
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.):	01) Name of the book: VLSI Design Publisher: Deccan International Academic Publishers ISBN: 978-93-95191-32-6 Year of publication: January 2023 02) Name of the book: Microcontroller: Architecture Program and Application Publisher: Indo-Continental Academic Publisher ISBN: 978-81-963033-1-0 Year of publication: April 2023
Social media platform:	https://www.linkedin.com/in/dr-anant-g-kulkarni-014b823a/

18.9 Fee

i	No. of Fee waivers granted with amount and name of students	1. Damodar Namrata Santosh 2. Om Kailas Ghate 3. Shekh Danish Kamruddin 4. Dahibhat Dhanshri Sarangdhar
ii	Number of scholarship offered by the Institution, duration and amount	Nil

18.10 Admission

i	Number of seats sanctioned with the year of approval	150
ii	Number of Students admitted under various categories each year in the last three years	A.Y. 2023-24 - 52 A.Y. 2022-23 - 56 A.Y. 2021-22 - 22
iii	Number of applications received during last year for admission under Management Quota and number admitted	12

18.11 Admission Procedure

i. Mention the admission test being followed, name and address of theTest Agency/State Admission Authorities and its URL (website) –

https://fe2023.mahacet.org/StaticPages/HomePage

ii. Number of seats allotted to different Test Qualified candidate separately (AIEEE//JEE/ CET (State conducted test/ University tests/ CMAT)/ Association conducted test etc.)

iii. Calendar for admission against Management quota seats:

Dt. 19/08/2023 to 21/08/2023 (1st Round) Dt.22/08/2023 to 23/08/2023 (2nd Round)

iv. Last date of request for applications: 23/08/2023

v. Last date of submission of applications: 23/08/2023

vi. Dates for announcing final results: 25/08/2023

vii. Release of admission list (main list and waiting list shall be announced on the same day): 25/08/2023 at 11 AM

viii. Date for acceptance by the candidate (time given shall innocase be less than 15 days):

ix. Last date for closing of admission & Starting of the Academic session: 7/8/2023

x. The waiting list shall be activated only on the expiry of date of main list: 25/08/2023

xi. The policy of refund of the Fee, in case of withdrawal, shall be clearly notified: As per information broacher of CET Cell

18.12 Criteria and Weightages for Admission

i. Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.: As per CET/JEE Merit Marks

ii. Mention the minimum Level of acceptance, if any: 12 Science (PCM) & As per CET/JEE Entrance Exam

iii. Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years:

iv. Display marks scored in Test etc. and in aggregate for all candidates who were admitted:

18.13 List of Applicants

List of candidate whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise): **As per Publish list in notice board of Institute**

18.14 Results of Admission under Management seats/Vacant seats

i. Composition of selection team for admission under Management Quota: **12**

ii. List of candidate who have been offered admission: **12**

iii. Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate: **25/08/2023**

18.15 Information of Infrastructure and Other Resources Available

i. Number of Class Rooms and size of each

ii. Number of Tutorial rooms and size of each

iii. Number of Laboratories and size of each

Room Number	Room type	Area in Sqm	Building Name
AG-11	Computer Center	168.77	A BLOCK
AF-2	Language Laboratory	38.37	A BLOCK
W1-06	Library & Reading Room	622	W block
W2-1X	Additional Workshop	160	W Block
BF-12	CAD Center / Drawing Hall	155.84	B BLOCK
BF-10	Classroom	76.61	B BLOCK
BF-2	Classroom	75.29	B BLOCK
BF-3	Classroom	76.91	B BLOCK
BF-4	Classroom	80.38	B BLOCK
BF-5	Classroom	73.03	B BLOCK
BF-8	Classroom	116.38	B BLOCK

BF-9	Classroom	77.22	B BLOCK
CS-10	Classroom	38.45	C BLOCK
CS-10A	Classroom	38.45	C BLOCK
CS-13	Classroom	37.33	C BLOCK
CS-7A	Classroom	38.45	C BLOCK
CS-8	Classroom	38.45	C BLOCK
CS-8A	Classroom	38.45	C BLODK
CS-9	Classroom	38.45	C BLOCK
CS-9A	Classroom	38.45	C BLOCK
AF-11-S	Laboratory	66	A BLOCK
AF-13-S	Laboratory	66	A BOLCK
AF-4-S	Laboratory	66	A BLOCK
AF-7-S	Laboratory	66	A BLOCK
AG-10-S	Laboratory	66	A BLOCK
AG-12-S	Laboratory	66	A BLOCK
AG-7-S	Laboratory	66	A BLOCK
AG-9-S	Laboratory	66	A BLOCK
BG-2-S	Laboratory	66	B BLOCK
BG-5-S	Laboratory	66	B BLOCK
CF-10-S	Laboratory	66	C BLOCK
CF-2-S	Laboratory	66	C BLOCK
CF-3-S	Laboratory	66	C BLOCK
CF-5-S	Laboratory	66	C BLOCK
CF-8-S	Laboratory	66	C BLOCK
CF-9-S	Laboratory	66	C BLOCK
CG-10-S	Laboratory	66	C BLOCK
CG-12-S	Laboratory	66	C BLOCK
CG-1-S	Laboratory	66	C BLOCK
CG-2-S	Laboratory	66	C BLOCK
CG-4-S	Laboratory	66	C BLOCK
CG-5-S	Laboratory	66	C BLOCK
W1-4A-S	Laboratory	66	W BLOCK
W1-4D-S	Laboratory	66	W BLCOK
W2-5-S	Laboratory	66	W BLOCK
W1-7	Seminar Hall	132.52	W BLOCK
CS-5	Tutorial Room	37.33	C BLOCK
CS-6	Tutorial Room	33.28	C BLCOK
CS-6A	Tutorial Room	33.28	C BLOCK
W1-1X	Workshop	200	W BLOCK
W2-1	Additional Workshop	294.36	W2 BLOCK
AF-10	CAD Center / Drawing Hall	156.2	A BLOCK
AF-12	Classroom	76.91	A BLOK
AF-3	Classroom	76.88	A BLOCK
AF-9	Classroom	77.26	A BLOCK
AG-2	Classroom	76.91	A BLOCK
AG-3	Classroom	38.63	A BLOCK
AG-3A	Classroom	38.63	A BLOCK
BG-9	Classroom	76.61	B BLOCK

CF-4	Classroom	76.91	C BLOCK
CS-1	Classroom	38.45	C BLOCK
CS-1A	Classroom	38.45	C BLOCK
CS-2	Classroom	38.45	C BLOCK
CS-2A	Classroom	38.45	C BLOCK
CS-3	Classroom	38.45	C BLOCK
CS-3A	Classroom	38.45	C BLOCK
CS-4	Classroom	76.91	C BLOCK
CS-7	Classroom	38.45	C BLOCK
BG-3-4	Computer Centre	157.48	B block
AF-11	Laboratory	76.91	A BLOCK
AF-13	Laboratory	76.91	A BLOCK
AF-4	Laboratory	76.91	A BLOCK
AF-7	Laboratory	116.37	A BLOCK
AG-10	Laboratory	77.61	A BLOCK
AG-11A	Laboratory	66	A BLOCK
AG-12	Laboratory	69.45	A BLOCK
AG-7	Laboratory	116.38	A BLOCK
AG-9	Laboratory	77.26	A BLOCK
BG-12	Laboratory	76.91	B BLOCK
BG-2	Laboratory	76.61	B BLOCK
BG-5	Laboratory	73.03	B BLOCK
CF-10	Laboratory	76.91	C BLOCK
CF-11	Laboratory	76.91	C BLOCK
CF-12	Laboratory	76.91	C BLOCK
CF-2	Laboratory	76.91	C BLOCK
CF-3	Laboratory	76.91	C BLOCK
CF-5	Laboratory	76.91	C BLOCK
CF-8	Laboratory	76.91	C BLOCK
CF-9	Laboratory	76.91	C BLOCK
CG-1	Laboratory	76.21	C BLOCK
CG-10	Laboratory	76.91	C BLOCK
CG-12	Laboratory	76.91	C BLOCK
CG-2	Laboratory	76.91	C BLOCK
CG-3	Laboratory	76.91	C BLOCK
CG-4	Laboratory	76.91	C BLOCK
CG-5	Laboratory	76.91	C BLOCK
W1-4A	Laboratory	73.87	W BLOCK
W1-4B	Laboratory	73.87	W BLOCK
W1-4C	Laboratory	73.87	W BLOCK
W1-4D	Laboratory	73.87	W BLOCK
W2-4	Laboratory	178.34	W2 BLOCK
W2-5	Laboratory	82.14	W2 BLOCK
W2-6	Laboratory	106.02	W2 BLOCK
AF-2A	Language Laboratory	38.37	A BLCOK
CG-11	Seminar Hall	155.96	C BLOCK
CG8-9	Seminar Hall	155.96	C BLOCK
BF-1	Tutorial Room	33.73	B BLOCK

BF-11	Tutorial Room	37.43	B BLCOK
CF-13	Tutorial Room	37.33	C BLOCK
CF-14	Tutorial Room	37.33	C BLOCK
CS-12	Tutorial Room	37.33	C BLOCK
W1-1	Workshop	295.49	W BLOCK
AD-08	Boys Common Room	126.68	Administrative Block
Canteen	Cafeteria	234.76	B BLOCK
BG-8A	First aid cum Sick Room	13.62	B BLOCK
AD-09	Girls Common Room	126.68	Administrative Block
AD-6	Others	9.26	AD BLOCK
AG1	Others	32.11	A BLOCK
OR-2	Others	10.25	Outer Room
OR-3	Others	13.5	Outer Room
OR-4	Others	13.65	Outer Room
OR-5	Others	18	Outer Room
BG-8	Sports Club office	21.32	B BLOCK
W1-5 B	Stationery Store	17.17	W1 BLOCK
AD-1A	Wash room / Toilet	4.5	AD BLOCK
AD-2A	Wash room / Toilet	6.5	AD BLOCK
AD-5	Wash room / Toilet	4.5	AD BLOCK
AD-7A	Wash room / Toilet	4.5	AD BLOCK
AD-8A	Wash room / Toilet	4.5	AD BLOCK
AD-9A	Wash room / Toilet	4.5	AD BLOCK
AF-05	Wash room / Toilet	45.54	A BLOCK
AF-06	Wash room / Toilet	45.54	A BLOCK
AG-05	Wash room / Toilet	45.54	A BLOCK
AG-06	Wash room / Toilet	45.54	A BLOCK
BF-06	Wash room / Toilet	45.54	B BLOCK
BF-07	Wash room / Toilet	45.54	B BLOCK
BG-06	Wash room / Toilet	45.54	B BLOCK
BG-07	Wash room / Toilet	45.54	B BLOCK
CF-06	Wash room / Toilet	14.62	C BLOCK
CF-07	Wash room / Toilet	14.62	C BLOCK
CG-06	Wash room / Toilet	14.62	C BLOCK

CG-07	Wash room / Toilet	14.62	C BLOCK
W1-02	Wash room / Toilet	30	W1 BLOCK
W1-03	Wash room / Toilet	30	W1 BLOCK
W1-2	Wash room / Toilet	30.34	W BLOCK
W1-3	Wash room / Toilet	30.34	W BLOCK
W2-02	Wash room / Toilet	30	W2 BLOCK
W2-03	Wash room / Toilet	30	W2 BLOCK
W2-2	Wash room / Toilet	15.63	W BLOCK
W2-3	Wash room / Toilet	15.63	W BLOCK
AD-03	Board Room	30.11	Administrative Block
AF-01	Cabin for HOD	32.11	A BLOCK
AG-4A	Cabin for HOD	20	A BLOCK
AG-4B	Cabin for HOD	20	A BLOCK
AG-4C	Cabin for HOD	20	A BLOCK
BF-13A	Cabin for HOD	20	B BLOCK
BF-13B	Cabin for HOD	20	B BLOCK
BF-13C	Cabin for HOD	20	B BLOKC
BF-13D	Cabin for HOD	20	B BLOCK
BF-13E	Cabin for HOD	20	B BLOCK
CF-1A	Cabin for HOD	20	C BLOCK
CF-1B	Cabin for HOD	20	C BLOCK
CF-1C	Cabin for HOD	20	C BLOCK
CS-11A	Cabin for HOD	20	C BLOCK
CS-11B	Cabin for HOD	20	C BLOCK
CS-11C	Cabin for HOD	20	C BLOCK
W1-5A	Central Store	75.47	W1 BLOCK
AF-08	Exam Control Office	37.45	A BLOCK
AF-02F	Faculty Room	5	A BLOCK
AG-07F	Faculty Room	5	A BLOCK
AG-09F	Faculty Room	5	A BLOCK

AG-12F	Faculty Room	5	A BLOCK
BG-04F	Faculty Room	5	B BLOCK
BG-05F	Faculty Room	5	B BLOCK
CF-02F	Faculty Room	5	C BLOCK
CF-03F	Faculty Room	5	C BLOCK
CF-05F	Faculty Room	5	C BLOCK
CF-08F	Faculty Room	5	C BLOCK
CF-09F	Faculty Room	5	C BLOCK
CF-10F	Faculty Room	5	C BLOCK
CF-11F	Faculty Room	5	C BLOCK
CF-12F	Faculty Room	5	C BLOCK
CG-08F	Faculty Room	5	C BLOCK
CG-10F	Faculty Room	5	C BLOCK
CG-4F	Faculty Room	5	C BLOCK
BG-01	Housekeeping	32.35	B BLOCK
BG-10	Maintenance	33	B BLOCK
AD-04	Office All Inclusive	305.91	Administrative Block
AD-4A	Other Office	9	Administrative Block
AD-02	Pantry for Staff	9.26	Administrative Block
BG11-A	Pantry for Staff	13.32	B BLOCK
AG-08	Placement Office	37.45	A BLOCK
AD-01	Principal / Directors Office	39.31	Administrative Block
AD-07	Principal / Directors Office	39.31	Administrative Block
OR-1	Security Office	11.14	Outer Room
Note:	Due to sharing; diploma Laboratories with the Under Graduate Degree Courses and mentioned lab room size area 66 sq. meters in place of 76.		

iv. Number of Computer Centre with capacity of each:

02 Computer Centre with the capacity of 20 each.

v. Central Examination Facility, Number of rooms and capacity of each:

Central Examination Facility is provided as per the SGBAU Exam guidelines.

05 Rooms allotted to the Exam Section with capacity of 30 each.

vi. Online examination facility (Number of Nodes, Internet band width, etc.): 175

Internet Bandwidth in Mbps: 300

vii. Barrier Free Built Environment for disabled and elderly persons:

Yes. Institute having barrier free built environment for disabled and elderly persons. The ramp has been created in the institute.

viii. Fire and Safety Certificate

INDEN FIRE PROTECTION

OFFICE ADDRESS: C/O Bhavna Traders, Chaitanya Colony, Near Sakha Mangalam, Od Bypass Road, Amravati. Mob. : 1)
REGD. OFFICE: Flat No. 101, Ground Floor, Raj Residency, Kathora Naka, Amravati. 2)

FIRE AUDIT REPORT

OF

Siddhivinayak Technical Campus

Shegaon Khamgaon Road, Shirasgaon Nile,

Shegaon, Dist- Buldhana

YEAR 2023-24

INDEN FIRE PROTECTION

OFFICE ADDRESS: C/O Bhavna Traders, Chaitanya Colony, Near Sakha Mangalam, Od Bypass Road, Amravati. Mob. : 1) 8149355
REGD. OFFICE: Flat No. 101, Ground Floor, Raj Residency, Kathora Naka, Amravati. 2) 8149076
BRANCH OFFICE: 505/E, Shri Ganesh CHS, Road No. 8, Gautam Nagar, M.I.D.C., Andheri (E), Mumbai – 93 3) 9766973

FIRE SAFETY AUDIT REPORT

1. Name & Address of the Building :	**Siddhivinayak Technical Campus** Shegaon Khamgaon Road, Shirasgaon Nile Shegaon Dist Buldhana
2. Type of Occupancy :	Educational Building (B-1)
3. Use of Occupancy:	Technical College Purpose
4. Details of Previous Fire NOC :	Letter No- Dated-
5. Date of Inspection :	19/04/2023.
6. Name and Designation of Officers, If any, representing the Owner	Dr. Anant G. Kulkarni Sir
7. Year of Construction :	NA.
8. Total Plot Area of The Occupancy:	**75231.061 Sq Mtr**
9. Total Built Up Area:	**15692.00 Sq Mtr**
10. Building Height:	Bulding No 1- Block A - 8.00 Mtr Bulding No 2- Block B - 8.00 Mtr Bulding No 3- Block C - 12.00 Mtr Bulding No 4 - Block Office - 12.00 Mtr **(1st & 2nd Floor Under Contruction)** Bulding No 5 - Library & Workshop No- 01- 9.00 Mtr Bulding No 6- Workshop No 2 - 6.00 Mtr

INDEN FIRE PROTECTION AMRAVATI

INDEN FIRE PROTECTION

OFFICE ADDRESS: C/O Bhavna Traders, Chaitanya Colony, Near Sakha Mangalam, Od Bypass Road, Amravati. Mob. :
REGD. OFFICE: Flat No. 101, Ground Floor, Raj Residency, Kathora Naka, Amravati.
BRANCH OFFICE: 505/E, Shri Ganesh CHS, Road No. 8, Gautam Nagar, M.I.D.C., Andheri (E), Mumbai – 93

ACTUAL OBSERVATIONS DURING INPECTION:

Sr. No	Minimun Standards for Fire Prevention & Fire Safety	Requirement as per NBC 2005	Provided at Site	Remarks (Meets/Doesn't Meet Requirement)
1	**Access to building**			
	• Road Width	4 M	06 M	Meet Requirement
	• Gate Width	6 M	09 M	Meet Requirement
	• Width of internal road	N.A	4.5 M	N.A
2	**Means of egress**			
	A. Number of staircases			
	• Upper Floors	1	1	Meet Requirement
	• Basements	0	0	N.A
	B. Width of Staircases			
	• Upper Floors	1.60 M	2.00 M	Meet Requirement
	• Basements	N.A	N.A	Meet Requirement
	C. No. of continuous Staircases to terrace	2	2	Meet Requirement
	D. Width of Corridor	2.4	8	Meet Requirement
3	**Fire Extinguishers**	**ISI marked**		
	• Total Numbers	AS PER IS 15683	ABC 02 KG 14	Meet Requirement
	• Types	AS PER IS 15683	ABC 05 KG 05	Meet Requirement
	• IS Marking	ISI marked	ABC 06 KG 04	Meet Requirement
			ABC 06 KG 22	Doesn't Meet Requirement
			CO2 4.5 KG 03	
4	**First-Aid Hose Reels**			
	• Total numbers on each floors	Required at each Floor	07 Nos Required	Doesn't Meet Requirement
	• Length of hose reel hose	30 mm		
	• Nozzle diameter	06 mm		
5	**Automatic Fire Detection & Fire Alarm System.**	N.A	N.A	N.A
6	**Manually Operated Electrical Fire Alarm System**	One MCP & Hooter Near Each Exit	06 Nos	Doesn't Meet Requirement

INDEN FIRE PROTECTION

OFFICE ADDRESS: C/O Bhavna Traders, Chaitanya Colony, Near Sakha Mangalam, Od Bypass Road, Amravati. Mob. : 1)
REGD. OFFICE: Flat No. 101, Ground Floor, Raj Residency, Kathora Naka, Amravati. 2)
BRANCH OFFICE: 505/E, Shri Ganesh CHS, Road No. 8, Gautam Nagar, M.I.D.C., Andheri (E), Mumbai – 93 3)

7	**Internal Hydrants**			
	• Size of riser/down cumer • Number of hydrants per floor • Hose Box	100 MM N.A 01 NOS	Required Required Required	Doesn't Meet Requirement
8	**Pumping Arrangments**			
	• **Ground Level** • **Terrace Level**			
	› Discharge of pump	900 LPM	Required	Doesn't Meet Requirement
	› Head of the pump	100 Mtr	Required	
	› Power Supply	Standby Power	Required	
9	**Captive Water Storage for Fire Fighting**			
	• **Underground tank capacity** • **Overhead tank capacity**	50000 ltrs 10000 ltrs	Required Required	Meet Requirement Meet Requirement
10	**Exit Signage**	Signs at each exit, corridor intersection, entry should be provided in accordance with E-4 of NBC 2016, Part 4	Required	Meet Requirement
11	**Standby Power Supply**	Electrical Driven Pump	Required	Doesn't Meet Requirement

The fire protection systems provided in the building were test checked and found functional or dysfunctional at the time of inspection.
Keeping in view the extent of compliance of the minimum standards on fire prevention and fire safety required under the Rules.

Name :
Designation: Incharge.

Signature of the Inspection Officer

INDEN FIRE PROTECTION * AMRAVATI *

- Apart from this the Underground Static Water Storage tank for wet riser must be of capacity 50,000 liters minimum, Found 1,50,000 Ltr in College

- Also terrace tank (Overhead water tank) must be of capacity 10,000 liters minimum of respective towers.

- One jockey pump of 900 Lpm (07 HP to 10 HP) should be installed in the fire fighting systems.

- Entry and exit points must be at least 9 meters wide for the smooth and rapid passage of FIRE-BRIGADE VEHICLES in case of an emergency.

- There must emergency staircase and emergency exits properly provided at strategic locations (as per site conditions) for quick exit from any building in case of emergency.

INDEN FIRE PROTECTION AMRAVATI

OBSERVATIONS:

- The Proposed occupancy is an Educational Building.
- The proposed occupancy comes under Group 'B' Building under Subdivision B-1 i.e. Educational Buildings as per NBC Norms – 2016, PART 4 - Fire and life safety.
- The proposed occupancy covers a plot area of 75,231.061 Sq. Mtr. and the built-up area of the occupancy wherein operations like manufacturing, assembling, are carried out covers an area of 15692.00 sq. Mtr. in total.

RECOMANDATIONS AS PER FIRE SAFETY NORMS:

- According to NBC Fire Safety Norms, the following Fire-Fighting Systems should be installed in the Educational Building premises:

A. FIRE EXTINGUSHERS.
B. DOWN COMER & FIRE BRIDGE INCLUDING FIRST AID HOSE REEL AT STRATEGIC LOCATIONS.
C. MANUALLLY FIRE ALARM SYSTEM.
D. PUMP 900 LPM DISCHARGE CAPACITY OF TERRACE TANK.

❖ The fire protection system provided in the building at the time of inspection is in Working Condition and fulfills the total requirements as per norms. Keeping in view the extent of compliance of the minimum standards on fire prevention & fire safety required under the rules, it is proposed as follows :

1. *ABC Type Fire Extinguishers – ABC 06 Kg and ABC 05 Kg should be installed at strategic locations.*
2. *CO2 Type Fire Extinguishers should be installed near electric meter and generator room and transformer area.*
3. *Glow signs & exit sign ages should be installed at strategic locations.*

❖ *Also the Fire-Fighting System installed in the proposed occupancy needs repairing and maintenance. The same should be dealt with and the needful, must be done.*

ix. Hostel Facilities- No

x. Number of Library books/ebooks/Titles/Journals available (Programme-wise)

Sr. No.	Programme	Title	Volumes	Journals	Other Reading Books
1	Computer Science & Engineering	253	1222	6	20
2	Mechanical Engineering	262	1861	6	20
3	Electrical Engineering	249	1249	6	20
4	Electronic & Telecommunication Engineering	257	1289	6	20
5	Civil Engineering	244	1374	6	21
6	Book Bank Scheme	101	413	-	-
7	Other Reference Book	23	101	1	-
Total		**1389**	**7509**	**31**	**101**

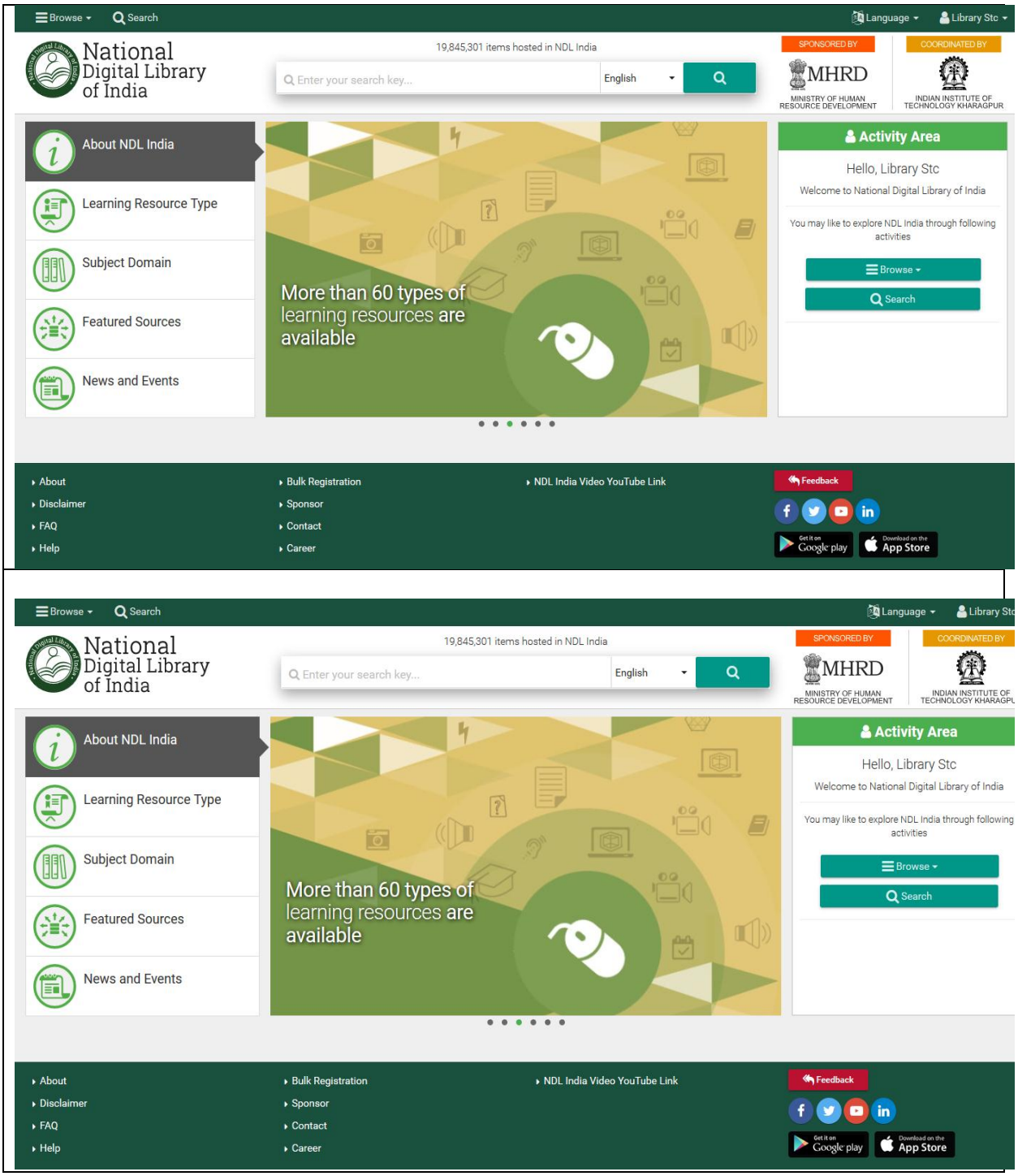
xi. List of online National/International Journals subscribed

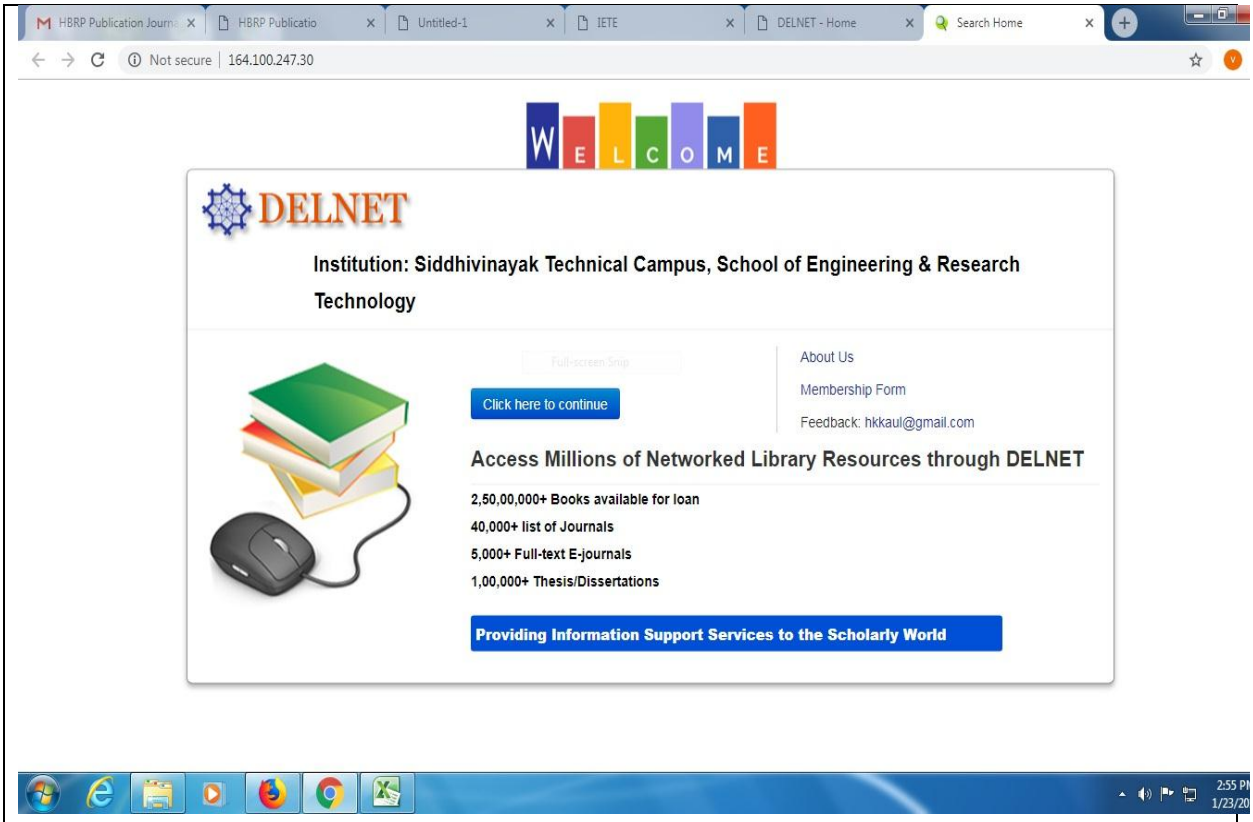
SN	Journals Title	Publishers	Branch	Link	Freq-uency	Subscription
1	Advancement of Computer Technology and its Applications	HBRP Publication	Computer Science	WWW.hbrppublication.com	3	Print + Online
2	Recent Trends in Information Technology and its Application	HBRP Publication	Computer Science	WWW.hbrppublication.com	3	Print + Online
3	Research and Reviews: Advancement in Robotics	HBRP Publication	Computer Science	WWW.hbrppublication.com	3	Print + Online
4	Journal of Network Security and Data Mining	HBRP Publication	Computer Science	WWW.hbrppublication.com	3	Print + Online
5	Research and Applications of Web Development and Design	HBRP Publication	Computer Science	WWW.hbrppublication.com	3	Print + Online
6	Journal of Advancement in Software Engineering and Testing	HBRP Publication	Computer Science	WWW.hbrppublication.com	3	Print + Online
7	Journal of Advances in Civil Engineering and Management.	HBRP Publication	Civil Engineering	WWW.hbrppublication.com	3	Print + Online

8	Journal of Advances in Geotechnical Engineering	HBRP Publication	Civil Engineering	WWW.hbrppublication.com	3	Print + Online
9	Journal of Water Resource Research and Development	HBRP Publication	Civil Engineering	WWW.hbrppublication.com	3	Print + Online
10	Journal of Advanced Cement and Concrete Technology	HBRP Publication	Civil Engineering	WWW.hbrppublication.com	3	Print + Online
11	Journal of Earthquake Science and Soil Dynamic Engineering	HBRP Publication	Civil Engineering	WWW.hbrppublication.com	3	Print + Online
12	Journal of Building Construction	HBRP Publication	Civil Engineering	WWW.hbrppublication.com	3	Print + Online
13	Advancement in Mechanical Engineering and Technology	HBRP Publication	Mechanical Engineering	WWW.hbrppublication.com	3	Print + Online
14	Recent Trends in Automation and Automobile Engineering	HBRP Publication	Mechanical Engineering	WWW.hbrppublication.com	3	Print + Online
15	Research and Development in Machine Design	HBRP Publication	Mechanical Engineering	WWW.hbrppublication.com	3	Print + Online
16	Recent Trends in Production Engineering	HBRP Publication	Mechanical Engineering	WWW.hbrppublication.com	3	Print + Online
17	Research and Reviews: Journal of Mechanics and Machines	HBRP Publication	Mechanical Engineering	WWW.hbrppublication.com	3	Print + Online
18	Journal of Advanced Research in Industrial Engineering	HBRP Publication	Mechanical Engineering	WWW.hbrppublication.com	3	Print + Online
19	Journal of Control System and its Recent Developments	HBRP Publication	Electrical Engineering	WWW.hbrppublication.com	3	Print + Online
20	Advancement and Research in Instrumentation Engineering	HBRP Publication	Electrical Engineering	WWW.hbrppublication.com	3	Print + Online
21	Journal of Recent Trends in	HBRP Publica	Electrical Engineeri	WWW.hbrppublication.com	3	Print + Online

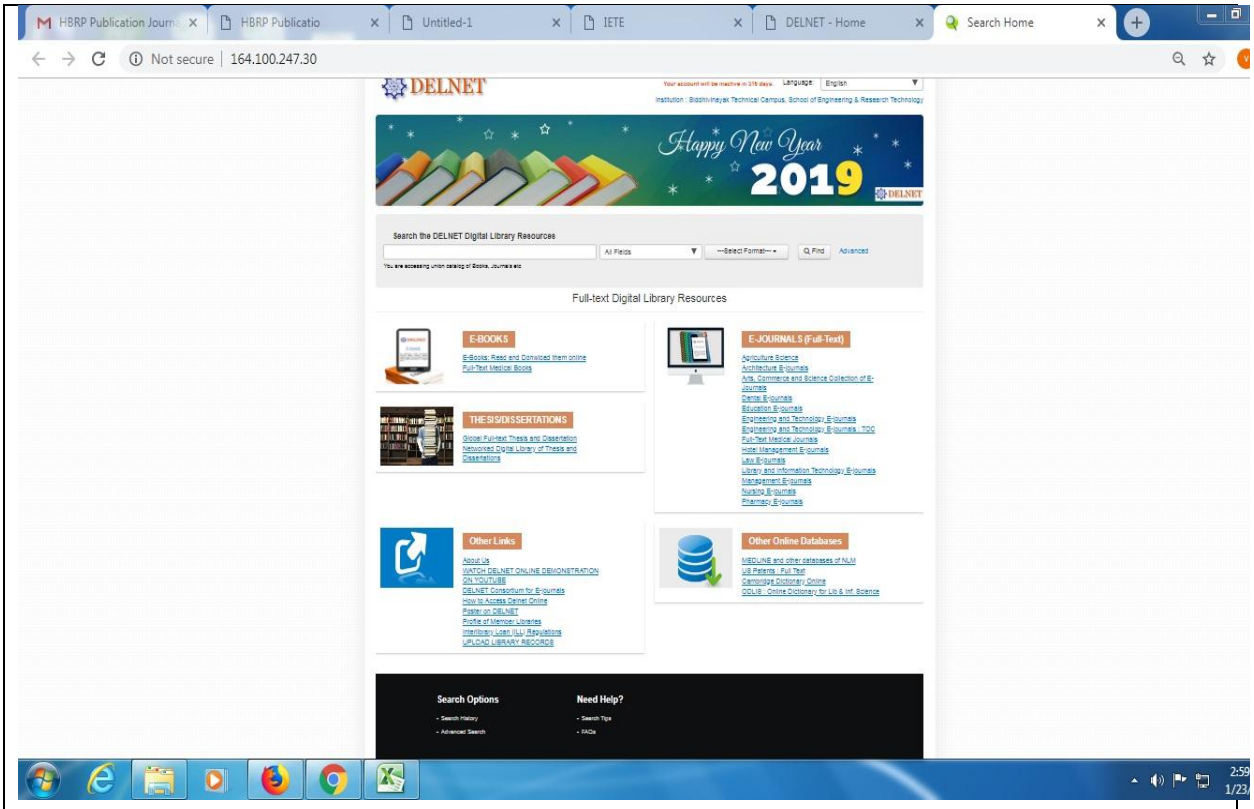
	Electrical Power System	tion	ng			
22	Advancement of Signal Processing and its Applications	HBRP Publication	Electrical Engineering	WWW.hbrppublication.com	3	Print + Online
23	Journal of Research and Advancement in Electrical Engineering	HBRP Publication	Electrical Engineering	WWW.hbrppublication.com	3	Print + Online
24	Journal of Emerging Trends in Electrical Engineering	HBRP Publication	Electrical Engineering	WWW.hbrppublication.com	3	Print + Online
25	Journal of VLSI Design and its Advancement	HBRP Publication	Extc Engineering	WWW.hbrppublication.com	3	Print + Online
26	Journal of Advancement in Electronics Design	HBRP Publication	Extc Engineering	WWW.hbrppublication.com	3	Print + Online
27	Recent Trends in Analog Design and Digital Devices	HBRP Publication	Extc Engineering	WWW.hbrppublication.com	3	Print + Online
28	Journal of Advancement in Communication System	HBRP Publication	Extc Engineering	WWW.hbrppublication.com	3	Print + Online
29	Journal of Optoelectronics and Communication	HBRP Publication	Extc Engineering	WWW.hbrppublication.com	3	Print + Online
30	Journal of Sensor Research and Technologies	HBRP Publication	Extc Engineering	WWW.hbrppublication.com	3	Print + Online
31	Research and Reviews: Journal of Environmental Sciences	HBRP Publication	Applied Science	WWW.hbrppublication.com	3	Print + Online

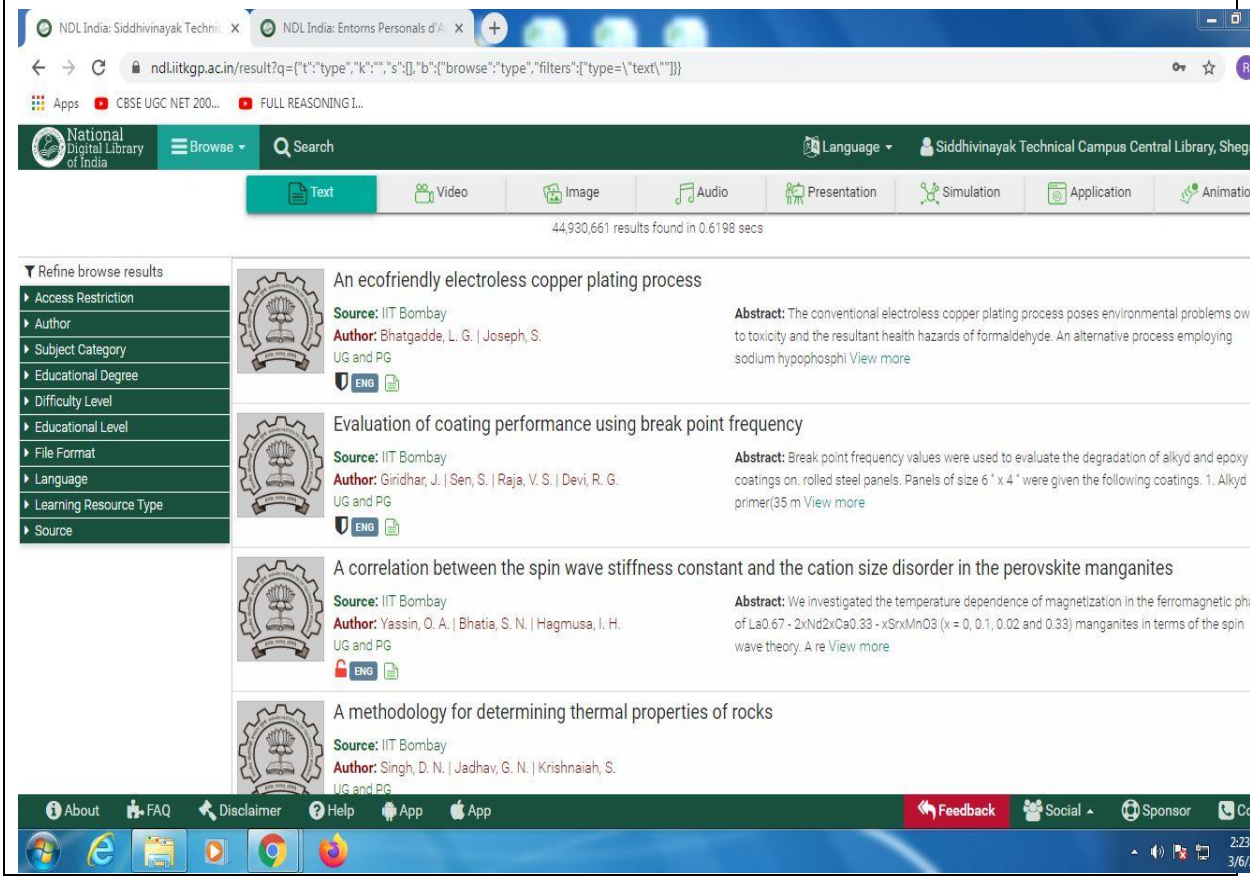
xii. National Digital Library (NDL) subscription details




HBRP Publication Journ
HBRP Publicatio
Untitled-1
IETE
DELNET - Home
Search Home
Not secure | 164.100.247.30
WELCOME
DELNET
Institution: Siddhivinayak Technical Campus, School of Engineering & Research Technology
Click here to continue
About Us
Membership Form
Feedback: hkkaul@gmail.com
Access Millions of Networked Library Resources through DELNET
2,50,00,000+ Books available for loan
40,000+ list of Journals
5,000+ Full-text E-journals
1,00,000+ Thesis/Dissertations
Providing Information Support Services to the Scholarly World


HBRP Publication Journ
HBRP Publicatio
Untitled-1
IETE
DELNET - Home
Search Home
Not secure | 164.100.247.30
Usage Statistics / Know your ILL-Book Status / Your Account / Contact DELNET / Log Out
DELNET
Your account will be inactive in 316 days.
Language: English
Institution : Siddhivinayak Technical Campus, School of Engineering & Research Technology
Happy New Year 2019
Search the DELNET Digital Library Resources
All Fields
---Select Format---
Find
Advanced
You are accessing union catalog of Books, Journals etc
Full-text Digital Library Resources
E-BOOKS
E-Books: Read and Donwload them online
Full-Text Medical Books
E-JOURNALS (Full-Text)
Agriculture Science
Architecture E-journals
Arts, Commerce and Science Collection of E-Journals


HBRP Publication Journ
HBRP Publicatio
Untitled-1
IETE
DELNET - Home
Search Home
Not secure | 164.100.247.30
DELNET
Happy New Year
2019
Search the DELNET Digital Library Resources
Full-text Digital Library Resources
E-BOOKS
E-JOURNALS (Full-Text)
THESIS/DISSERTATIONS
Other Links
Other Online Databases
Search Options
Need Help?


NDL India: Siddhivinayak Techni
NDL India: Entorns Personals d'A
ndl.iitkgp.ac.in/result?q={"t":"type","k":"","s":[],"b":{"browse":"type","filters":["type=\"text\""]}}
Apps
CBSE UGC NET 200...
FULL REASONING I...
National Digital Library of India
Browse
Search
Language
Siddhivinayak Technical Campus Central Library, Sheg
Text
Video
Image
Audio
Presentation
Simulation
Application
Animatio
44,930,661 results found in 0.6198 secs
Refine browse results
Access Restriction
Author
Subject Category
Educational Degree
Difficulty Level
Educational Level
File Format
Language
Learning Resource Type
Source
An ecofriendly electroless copper plating process
Source: IIT Bombay
Author: Bhatgadde, L. G. | Joseph, S.
UG and PG
ENG
Abstract: The conventional electroless copper plating process poses environmental problems ow to toxicity and the resultant health hazards of formaldehyde. An alternative process employing sodium hypophosphi View more
Evaluation of coating performance using break point frequency
Source: IIT Bombay
Author: Giridhar, J. | Sen, S. | Raja, V. S. | Devi, R. G.
UG and PG
ENG
Abstract: Break point frequency values were used to evaluate the degradation of alkyd and epoxy coatings on. rolled steel panels. Panels of size 6 " x 4 " were given the following coatings. 1. Alkyd primer(35 m View more
A correlation between the spin wave stiffness constant and the cation size disorder in the perovskite manganites
Source: IIT Bombay
Author: Yassin, O. A. | Bhatia, S. N. | Hagmusa, I. H.
UG and PG
ENG
Abstract: We investigated the temperature dependence of magnetization in the ferromagnetic phi of La0.67 - 2xNd2xCa0.33 - xSrxMnO3 (x = 0, 0.1, 0.02 and 0.33) manganites in terms of the spin wave theory. A re View more
A methodology for determining thermal properties of rocks
Source: IIT Bombay
Author: Singh, D. N. | Jadhav, G. N. | Krishnaiah, S.
UG and PG
About
FAQ
Disclaimer
Help
App
App
Feedback
Social
Sponsor

xiii. List of Major Equipment/Facilities in each Laboratory/Workshop

Name of the Laboratory	Lab / Major Equipment's
Basic Electronics Lab	CRO, Function Generator, Power Supply
Building Construction And Material Lab	Model of Staircase, Types of Bricks, Types of Trusses
Building Construction Lab	Model of Staircase, Types of Bricks, Types of Trusses
CAD Lab.	Auto-CAD/Q-CAD
CAD/CAM Lab	Computers And Designing Software, Auto-CAD
Centralized Computer Lab	Computer Systems 24 Port Switch Printer
Chemistry Lab	Redwood Viscometer Stopwatch Thermometer Desiccator PH Meter measuring Cylinder
Communication & Microwave Lab	Microwave Test Bench, Antenna Demonstration Kit, CRO with Function Generator, Digital Storage Osc., Spectrum Analyzer
Communication Lab	PAM Kit, PPM Kit, TDM Kit, DSB/SSB Trasmitter And Receiver
Comp Lab I	Computers
Computer Lab- II	Computers
Computer Lab (Networking Lab)	Computer Systems Dot Matrix Printer 24 Port Switch
Computer Lab (Database Lab)	Computer Systems ; 24 Port Switch;
Computer Lab (Fundamental Lab)	Computer Systems ; 24 Port Switch;
Computer Lab (Hardware Lab)	Computer Systems ; 24 Port Switch;
Computer Lab (Networking Lab)	Computer Systems Dot Matrix Printer 24 Port Switch
Computer Lab (Operating System Lab)	Computer Systems Switch
Computer Lab (Programming Lab)	Computer Systems ; 24 Port Switch;
Computer Lab III	Computer
Computer Lab- IV	Computers
Computer Lab-I	Computers 24/16 Port Switch Dot Matrix Priter
Control System Lab	Synchro Meter Ac Servo Meter Motor Unit Of Dc Linear System
Digital And Microcontroller Lab	Digital M-millimeter, CRO, Function Generator , IC Tester, Microcontroller Kits
DSP & VLSI Lab	Computer Systems, DSP Board
Electrical Kit & N/W Lab	Max Power Transfer Kit, Transformer, Regulated Power Supply
Electrical Machine Lab -01	Synchronous Motor Pannel, DC Compound Motor Pannel, Single Phase Induction Motor
Electrical Machine Lab -02	Bakelite Control Panel Dc Shunt Motor Dc Series Motor Lamp Load Bank Portable Wattmeter
Electrical Machines Lab	Induction Motor, Shunt Motor, Lamp Bank
Electrical Measurement & Instrumentation Lab	Power Factor Meter, Negger, Earth Tester, Kelvin Double Bridge, Desautys Bridge

Electrical Measurements Lab	Power Factor Meter, Negger, Earth Tester
Electronic Devices & Analog Digital Circuits Lab	Opamp Charactristics, Zener Diode As Voltage Regulator, Logic Gate Trainer, Flip flops Trainer, Adder And Substractor
Energy Conversion & Non-Conventional Energy Lab	Multistage Compressor / Flat Plate Collector
Engineering Mechanics Lab	Fly Wheel Simple Screw Jack Vernier Calliper Compound Pendullum Pollygon Law Of Forces
Surveying Lab	Digital Theodolite , Total Station, Theodolite, Dumpy Level, Digital Planimeter, Plane Table
Workshop	Cut Off Machine Smooth File Bench Vice Surface Plate Carpentry Vice Rectifier Anvil Vernier
Engineering Chemistry Lab	Hot Air Oven Balance Muffle Furnace Redwood Viscometer PH Meter With Electrode
Engineering Geology & Geotechnical Engineering Lab	Direct Shear Apparatus, CBR Test Apparatus, Standard Penetration Test Apparatus
Engineering Mechanics Lab	Universal Force Table, Double Purchase Scarab Weston Diff. Pulley Block
Environmental Engineering Laboratory	B.O.D. Incubator, Cod Reflux Apparatus, High Volume Air Sampler Apparatus
Fluid Mechanics And Testing Lab	Pressure Measurement Apparatus, Flow Measurement Apparatus, Velocity Measurement Apparatus
Fluid Power & Mechanics Lab	Bernoulli's theorem App. Flow Measurement Loss In Pipe
I. C. Engines & Measurement System Lab	Exhaust Gas Analyzer/ Diesel Engine/Pressure Pneumatic Comparator, Test Dial Indicator
Innovation / Internet Lab	Computer System Server HCL Dot Matrix Printer 24 Port Switch 8port Switch Lease Line Ups Batt
Instrumentation & Skill Development Lab	Temperature Trainer, LVDT Trainer, Strain Gauge Trainer, DSO
Instrumentation Lab	Temperature Trainer, LVDT Trainer, Strain Gauge Trainer, DSO
Language Lab	Computers, Headphones
Language Lab.	Computers and Language Software
Machine Design And Drawing Lab	Models of Orthographic Projection & Cut Sections
Manufacturing Process Lab	Lathe Machine / Shaper Machine
Material Testing Lab (Tre / Rcc)	Compression Testing Machine, Impact Value Test Apparatus, Los Angeles Abrasion Test, Ductility Measurement Apparatus
Measurement And Control Lab	V-Block, Pressure Pneumatic Comparator, Test Dial Indicator, Screw Thread
Metrology And Quality Control	Radius Gauge Vernier Caliper, Inside Outside Micrometer
Microprocessor & Microcontroller Lab	Computer System CRO Function Generator 8051 Trainer 8085 Trainer 8086 Trainer DAC/ADC Module, AVR M

Network Analysis Lab.	Dc Power Supply 5A, Dc Power Supply 10A Step Response of RLC Order Circuit, KCL-KVL, Maximum Power Transform
Physics	Hall Effect set Up Micrometer CRO Photoelectric Cell Voltmeter Optical Bench
Power Electronics & Drives Lab	CRO DIAC/TRIAC Trainer, IGBT Trainer, SCR Gate Triggering, UJT Relaxation, Lite Demmer Using Triac, SCR
Production Technology & Engineering Metallurgy Lab	Digital Vernier Angle Gauge Set Floating Carriage Gear Tooth Caliper
RAC & Heat Transfer Lab	Ice Plant Test Rig / Thermal Conductivity Of Metal Bar Pin Fin App Heat Transfer Through Force
Strength of Material Lab	Hardness Test Machine, Torsion Testing Machine, Universal Testing Machine, Impact Testing Machine, Rockwell Cum Brunel Torsion Testing Machine
Surveying Lab	Dumpy Level, Digital Planimeter, Auto level
Switch Gear And Protection Lab	Ring Type Insulators, Kit-Cat Fuse,Pin Type Insulator
Switchgear & Protection Lab	Differential Protection of Transformer, Differential Overcurrent Relay, Non directional Overcurrent Rea
Theory Of Machine Lab	Gyroscope / Whirling Of Shaft, Four Bar Chain Mechanism, Crank Mechanism, Break Model, Gear Train
Workshop / Manufacturing Process Lab	Gas Welding / Milling Machine
Workshop I	Leath Machine, Drill Machine, Leath Adda Machine, Electrical Motor And Welding
Workshop II	Workshop Tools, Anvil, Jack Plane, Grinder

xiv. List of Experimental Setup in each Laboratory/Workshop

Vasundhara Bahuddheshiya Samajik Sanstha's
Siddhivinayak Technical Campus
Department Applied Science & Humanities

List of Experiment	
Group A	**Subject Name & Subject Code: Engg. Physics (1A6)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Determination of Band gap energy of semiconductor.
2	To study the forward and reverse characteristics of P-N junction diode
3	To study the reverse characteristics of Zener diode
4	To study the forward characteristics of Light Emitting Diode.
5	To determine the wavelength of monochromatic light by Newton's Rings method.
6	Determination of wavelength of spectral lines using diffraction grating
7	Determination of grating element of a diffraction grating using LASER beam
8	Study of Hall Effect

9	Amplitude and frequency measurement of ac signal using CRO
10	Study of CRO
11	Determination of unknown frequency of ac signal using Lissajious spattern
12	To determine resolving power of telescope
13	Determination of Planck's constant using photocell
14	To determine the coefficient of viscosity of water by capillary flow.
Group B	**Subject Name & Subject Code: CHEMISTRY (1B6)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Determination of Band gap energy of semiconductor.
2	To study the forward and reverse characteristics of P-N junction diode.
3	To study the reverse characteristics of Zener diode.
4	To study the forward characteristics of Light Emitting Diode.
5	To determine the wavelength of monochromatic light by Newton's rings method
6	Determination of wavelength of spectral lines using diffraction grating.
7	Determination of grating element of a diffraction grating using LASER beam.
8	Study of Hall effect
9	Amplitude and frequency measurement of ac signal using CRO
10	Study of CRO
11	Determination of unknown frequency of ac signal using Lissajou's pattern.
12	To determine resolving power of telescope.
13	Determination of Planck's constant using photocell.
14	To determine the coefficient of viscosity of water by capillary flow
Group A	**Subject Name & Subject Code:Engineering Mechanics (1A7)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Forces in the member of Jib Crane
2	Reaction at the supports of simply supported beam
3	Determination of coefficient of friction using inclined plane
4	Determination of coefficient of coil friction
5	Determination of mass M.I of Flywheel
6	Determination of coefficient of friction between the surface of a moving block and horizontal surface
7	Determination of law of machine for screw jack/differential axel wheel /single and double purchase crab
8	Study of Belt Pulley system
9	Law of Polygon of forces
10	Determination of gravitational acceleration by compound pendulum
Group B	**Subject Name & Subject Code:Basic Electrical Engineering (1B7)**

EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	To verify Kirchhoff's Current Law Kirchhoff's voltage Law
2	To verify Kirchhoff's voltage Law
3	To verify of Superposition theorem.
4	To verify of Thevenin's theorem
5	To verify vector relation between current and voltage in RLC series circuit.
6	Measurement of power and energy in given single phase load by using wattmeter.
7	Study of measuring instruments.
8	To Study D.C Machine
Group A	**Subject Name & Subject Code:Computer Programming (1A8)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Write a program to print the addition of two number
2	Write a program to print the multiplication of two number .
3	Write a program to print calculate Area of circle .
4	Write a program to number is positive and negative .
5	Write a program to find the largest number by using contro statement
6	using loop
7	Write a program to print two dimensional array.
8	Write a program to determine the length of string .
Group A	**Subject Name & Subject Code:Workshop Practice (1A5)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Fitting Shop : To prepare a job of Fitting as shown in figure
2	Tops and dies shop:-To prepare a job of external threading as shown in figure
3	Sheet Metal Shop :- To Prepare a job of tray as shown in figure
4	Blacksmithy shop :- To Prepare a job of J-hook as shown in figure
5	Welding Shop :- To prepare a job of bult joint as shown in figure
6	Corpenty Shop :- To prepare a job of lap joint as shown in figures
Group A	**Subject Name & Subject Code:Communication skill (1B5)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Types of communication, barriers to communication, effective communication
2	Foundation of language: grammaticality and acceptability, word power, accuracy and appropriateness

3	Assignment on vocabulary building & Writing skill :nature of writing, stages of writing (pre, while and post), qualities of effective writing, what makes writing poor, the what, howand why of writing, drafting, summarizing, letter writing, writing reports.
4	Speaking: pronunciation, stress, intonation and pauses, formal and informal expressions, conversation skills, presentation skills, business etiquette.
5	Group Discussion- To study about group discussion technique.
6	Interview skill- To study about personal interview
7	Planning and Mot- To study how to plan and execute an activity in a group.
8	Seminar skill- To study how to conduct and deliver a seminar
9	Conference – To study how to conduct conference
10	Interpersonal communication- Conduct an activity for social cause.
11	Project- Writing class newsletter.
Group A	**Subject Name & Subject Code:Engg. Graphycs (1B8)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Loci of points of various mechanisms
2	Projection of straight line
3	Projection of plane
4	Orthographic projection
5	Projection of solids
6	Isometric projection/view
7	Free hand sketches of simple machine elements, like : (a) Screw threads ISI profile (b) Types of nuts, bolts, studs, set screws, washers, locking arrangement of nuts & bolts (c) Foundation bolts – Rag, eye, lewis types
8	Drafting of basic 2D geometrical shapes using CAD software
9	Drafting of basic 3D geometrical shapes using CAD software
10	Drafting of 2D and 3D objects using surface modeling commands

Vas ddheshiya Samajik Sanstha's
Sid chnical Campus
Department of Civil Engineering

List of Experiment	
Sem: 3rd	**Subject Name & Subject Code: STRENGTH OF MATERIAL (3CE06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Tension Test on metals
2	Compression Test on metals
3	Shear Test on Metals
4	Impact Test on Metals
5	Hardness Test On Metals
6	Torsion Test on metals

7	Deflection of beams
8	Modulus Rupture test
9	Buckling of Columns
10	Deflection of Strings
List of Experiment	
Sem: 3rd	**Subject Name & Subject Code: BCM and EG (3CE07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Drawing of following building elements on A-2 size sheet.
	a) Paneled door, flush door, and glazed window.
	b) Steel truss with details of joints, details & support, details of fixing of roof covering.
2	Planning & drawing of a staircase for the given data. [On A-2 size sheet, Design calculations, plan & section.]
3	Preparation of foundation plan from the given line plan of a two room building [On a A-2 size sheet.]
4	Fields visits to building under construction and its report writing including material of construction, construction processes, Human recourses required, and construction details.
5	Sketch book containing Free hand sketches of following:
	Different types of foundations, Bonds in brick masonry, Types of floors. [Sections] Types of stairs. [Plans and sideview], Line sketches of different types of steel roof trusses, Details of expansion joints, Details of damp proofing forbasement, Fixtures & fastenings of doors & windows.
6	Field visit for different types of roof structures.
7	Megascopic study of silicate and non-silicate mineral, with special reference to physical properties of minerals and uses.
8	Megascopic study of the common igneous, sedimentary and metamorphic rocks, with special reference to engineering properties of rock and uses.
List of Experiment	
Sem: 3rd	**Subject Name & Subject Code: TRANSPORTATION ENGINNERING (3CE08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To determine Loss Angles Value
2	To determine Abrasion Value
3	To determine Aggregate impact Value
4	To determine the Aggregate Crushing Value
5	Determination of Flakiness index and Elongation index of Aggregate
6	Determination of Viscocity of Bitumen
7	Determination of Softning point of bituminous Material
8	Determination of Ductility Value of Bitumen
List of Experiment	

Sem: 3rd	Subject Name & Subject Code:Concrete Technology and RCC (3CE09)
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To determine fineness of cement
2	To determine soundness of cement
3	To determine consistency of cement
4	To determine setting time of cement
5	To determine Compressive strength of cement
6	To determine F.M. of Aggregate
7	To determine Bulking of sand (fine aggregate)
8	To determine silt content of sand by volume/weight
9	To determine mix design by IS Code
List of Experiment	

Sem: 4th	Subject Name & Subject Code: Building Planning Designing and CAD (4CE06)
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Draw a symbols, lines & abbreviations use in building planning.
2	Draw a single line plan of residential building
3	Draw a single line plan of public building
4	Write down the details showing in auto-cad drawing
5	Draw Submission drawing of load bearing structure
6	Draw Submission drawing of frame structure
7	Draw Submission drawing of Apartment building (frame structure)
8	Auto-cad drawing of frame structure
9	Auto- cad drawing of Apartment building (frame structure)
List of Experiment	

Sem: 4th	Subject Name & Subject Code: Hydrology and Water Resource Engineering (4CE07)
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Fixing control levels of Reservoir from given data.
2	Cross section, plan, L-section of Earth dam showing all components.
3	Drawing of elementary and practical profile of gravity dam.
4	Drawing of diversion weir on permeable foundation.
5	Drawing of ogee spillway with energy dissipaters.
6	Drawing of any four canal structure (No design)
7	Technical Field visit.
List of Experiment	

Sem: 4th	Subject Name & Subject Code: Surveying (4CE08)
EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	Distance measurement by chain and tape.
2	Finding RL of given point.
3	Profile and cross section leveling for road.
4	Measurement of bearings with prismatic compass.
5	Chain and compass traversing
6	Local attraction detection- correction of bearings
7	Measurement of Horizontal and Vertical angles using Theodolite.
8	Theodolite Traversing.
9	Plane table surveying- Radiation, Intersection and Resection method.
List of Experiment	
Sem: 4th	Subject Name & Subject Code: Geotechnical Engineering -I (4CE09)
EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	Determination of specific gravity of soil solids by Pyconometer, density bottle.
2	Determination of moisture content by ovendrying method.
3	Determination of field density of the soil by sand replacement / core cutter method.
4	Determination of Atterbergs limits (LL, PL and SL)
5	Determination of grain size distribution by mechanical sieve analysis.
6	Determination of Compaction properties (Standard Proctor Test)
7	Determination of shear strength parameters by direct shear test
8	Determination of permeability of soil by using falling head test
Sem: 5th	Subject Name & Subject Code: Design of reinforced & prestressed concrete lab (5CE06)
EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	Analysis & design of singly doubly reinforced section
2	Design of one way continuous & two way slab
3	Design of dog-legged staircase.
4	Design of cantilever retaining wall
5	Design of grid slab
6	Report on design of RCC structural member
7	Field visit report on RCC frame structure
List of Experiment	
Sem: 5th	Subject Name & Subject Code: Surveying and Geometics Lab (5CE07)
EXPERIMENT NO.	EXPERIMENT DESCRIPTION

1	Ranging circular curve by offset from long chord.
2	Ranging circular curve by offset from tangent.
3	Ranging circular curve by offset from chord produced.
4	Ranging circular curve by Rankine's method.
5	Triangulation by satellite station.
6	Base line measurement in triangulation system.
7	Study on Stereoscope.
8	Application of GPS – Distance and Coordinate Measurement using GPS tool.
Sem: 5th	**Subject Name & Subject Code:NMCP Lab (5CE08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Preparation and execution of al least six Computer Program using C language .solution of at least two civil Engineering Problems
List of Experiment	
Sem: 5th	**Subject Name & Subject Code:Design of reinforced & prestressed concrete lab (5CE09)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Field CBR Test
2	Design of Flexible pavement for highway
3	Design of Rigid pavement for highway
4	Marshal Stability Test
5	Road Accident Studies
6	Parking Management Studies
List of Experiment	
Sem: 6th	**Subject Name & Subject Code:Design of Steel Structure Lab (6CE06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Design Of Bolted Connection.
2	Design Of Welded Connection.
3	Panel Point Load Calculation In SteelTruss .
4	Design Of Slab Bases & Gusseted Bases.
5	Visit To Steel Structure Under Construction & Write Report On It.
List of Experiment	
Sem: 6th	**Subject Name & Subject Code:Environmental Engineeing Lab (6CE07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Determination of Turbidity of water sample

2	Determination of Electrical Conductivity water sample
3	Determination of pH of water sample
4	Analysis of Dissolved, Suspended and Total solids
5	Optimum coagulant dose
6	Determination of Temporary and Permanent Hardness of water sample
7	.Determination of Acidity & Alkalinity of water sample
8	Determination of residual chlorine in the given water sample
List of Experiment	
Sem: 6th	**Subject Name & Subject Code:Fluid Mechanics Lab (6CE08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Verification of Bernoullis Theorem
2	Determination of Coeficient of Discharge for Venturimeter
3	Determination of Metacentric Height
4	Determination of Coeficient of Discharge for Triangular Notch
5	Verification of Momentum Equation
6	Study of hydraulic jump, calculations of height of jump, length & energy loss.
7	Determination of coefficient of discharge of Venturiflume.
8	Determination of Chezy's coefficient.
List of Experiment	
Sem: 6th	**Subject Name & Subject Code:Minor Project Lab (6CE09)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Rehabilitation of Village mini Project
Sem: 7th	**Subject Name & Subject Code:CSA Lab (7CE06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Analysis of Simple Structures like portal frames beams with different support condition
2	Calculation of deflection and Stresses in truss by using readymade software like STAAd PRO SAP ,ETABS ANSYS
3	Analysis and Design of 3D (G+2) structures by using software like STADD PRO SAP ETABS ANSYS
List of Experiment	
Sem: 7th	**Subject Name & Subject Code:GTE-II Lab (7CE07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	. To identify the subsoil strata by conducting soil resistivity / seismic refractivity

	method
2	. To determine the bearing capacity of soil by conducting standard penetration test
3	To determine the soil Characteristics by Conducting standard penetration test
4	To determine the shear strength by conducting field vane shear test
5	computation of bearing capacity by analytical approach to verify with field test
6	to determine the soil characteristics with respect to soil log curve
List of Experiment	
Sem: 7th	**Subject Name & Subject Code:EE-II Lab (7CE08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	A) Determination of dissolve oxygen in waste water.
	B) Determination of BOD in waste water.
2	Determination of COD in waste water.
3	Determination of sludge volume index.
4	Determination of chloride content in waste water.
5	Determine concentration of same air pollutant with high volume of air sampler.
6	Study of physical characteristics of solid waste.
7	Study of sewer appurtenances.
8	Visit Report
List of Experiment	
Sem: 8th	**Subject Name & Subject Code:CE and ECO Lab (8CE05)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Writing specification for 5 items that includes Building Work, Road work, Irrigation work etc
2	Rate Analysis of 6 items like Cement, Sand, Steel, Brick, Paver and Timber et
3	Preparation of BAR bending Schedule
4	Manual & Software Application for detail estimate of Residential Block with 4 rooms only
5	Quantity & Rate Estimate of small Commercial building.
6	Quantity & Rate Estimate of Rigid/ Flexible Pavement Road for stretch of 1 km only.
7	Valuation of small building/ flat for any existing structure
List of Experiment	
Sem: 8th	**Subject Name & Subject Code:AWT Lab (8CE06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Determination of Turbidity of water sample
2	Determination of pH of water sample
3	Determination of Electrical Conductivity of water sample.

4	. Determination of Chlorides
5	Determination of suspended, settleable, volatile & fixed solids
6	Determination of hardness of water sample
7	Determination of Optimum Coagulant dosage.
8	Determination Dissolved oxygen and BOD for the given sample
9	Determination of COD for given sample.
10	Report of Field visit to Municipal Water Treatment Plant.

List of Experiment	
Sem: 3rd	**Subject Name & Subject Code: Electrical Circuit Analysis (3EP06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Superposition Theorem
2	Thevenin's Theorem
3	Norton's Theorem
4	Maximum Power Transfer Theorem
5	Reciprocity Theorem
6	Tellegence Theorem
7	Mutual Inductance Determinatin
8	Study of Tie set and Cut set
Sem: 3rd	**Subject Name & Subject Code: Electrical Machine-I(3EP07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Determine the critical resistance of DC resistance form its open circuit characteristics
2	Determine the efficiency & Regulation of DC Compound generator by performing the load test on it
3	Speed control of DC Shunt motor by armature control
4	To obtain speed above normal speed of a DC Shunt motor of a DC shunt motor by filed control method
5	Two convert three phase ac supply into two phase supply by using Scott connections
6	To determine the efficiency of DC shunt motor by swimburns test
7	To determine an equivalent circuit parameter of single-phase transform by conducting open ckt and short ckt test on it
8	To determine the efficiency and losses of a given transform by sumpners test
9	Study of DC motor starter
10	Draw the winding diagram of Progressive lap winding

Sem: 3rd	Subject Name & Subject Code:Electronics Devices and Circuits (3EP08)
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To verify V-I characteristics of P-N Junction diode and obtain static and dynamic resistance.
2	To observe the ripple factor of Half wave rectifier with and without filter.
3	To observe the ripple factor of Full wave rectifier with and without filter.
4	To study the characteristics of Zener diod.
5	To observe the ripple factor of Full wave Bridge rectifier with and without filter
6	To study the drain characteristics of JFET in common surface configuration
7	To study the operation of stage RC coupled amplifier
8	To Study the characteristics of transistor in CE configuration
	To study the characteristics of UJT and find out its intrinsic stand off ratio
Sem: 3	**Subject Name & Subject Code:Electrical Technology(3EP09)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Introduction to standard symbols used in wiring diagrams
2	Introduction to different wiring accessories
3	Demonstration of different types of wirings
4	Connection of Staircase wiring, Godown wiring
5	Domestic wiring diagrams
6	Connections of switch board, MCB and energy meter
7	Testing and electrical Maintenance of domestic appliances
8	Insulation resistance and earth resistance measurement
Sem: 4rd	**Subject Name & Subject Code:Electrical Measurment And Instrumentation (4EP06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To measure the given medium resistance using Wheatstone bridge
2	To measure the given using Kelvins double bridge Method
3	To measure the unknown capacitance using Schering bridge
4	To Find the unknown inductance and Q factor of a given coil
5	To calibrate the given single phase energy meter at unity and other power
6	To Determine unknown capacitance of a capactor by Desauty's Bridge
7	Calibration of single phase Wattmeter by Photon Loading
8	Measurement of unknown frequency by Cathod Ray Oscilloscope
Sem: 4th	**Subject Name & Subject Code: Control System (4EP07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**

1	potentiometer
2	synchros
3	DC Servo motor.
4	temperature control with P controller
5	temperature control with PI controller
6	temperature control with PID controller
7	AC position control system
8	logic open loop closed system
Sem: 4th	**Subject Name & Subject Code: ADC (4EP08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To construct and verify the practical result with theoretical closed loop vtg gain using IC741 OF non inverting voltage.
2	To design the truth table of various unstable multivibrator circuit for the given specification using 555 timer IC.
3	To verify the truth table of various logic gates using IC's 7400,7402,7408,7432,7486 and implementation of logic universal gates.
4	To design and verify AND truth table on the half adder.
5	To study and verify the operation of S-R flip with clock and without clock.NAND gate
6	To study Race flround condition to overcome this condition using master slave JK flip-flop
7	To design the logic circuit and verify the truth table of the given Boolean expression.
8	To design and verify the truth table of 4*1 multiplexer and 1*4 demultiplexer.
Sem: 4th	**Subject Name & Subject Code:Electronics Technology (4EP09)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Study of electronic Components: Identification of components, name, types, symbol, size, rating and application.
2	Handling Electronic Components: Finding values and testing (using DMM), test working condition, fault detection.
3	Working with breadboards: understanding the breadboards for component mounting, working with small circuits on breadboard
4	Soldering:Soldering skill tips- use of proper soldering Iron, Metal, Flux, Cleaning, Tinning etc., mounting components on zero PCB, testing of small circuits mounted on zero PCB. De-soldering of components
5	PCB Layout and design: Understanding different PCBs, Working on PCB Layout (Software), PCB etching, drilling on PCB, Mounting components on PCB, Working with small circuits on PCB and their testing
6	Electronic circuit Simulation: Familiarizing with the simulation software, simulation and result validation of simple circuit with software.

5 sem	Subject Name & Subject Code: Power system-I (5EP06)
EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	To calculate ABCD parameter of a transmission line using nominal T model
2	To calculate ABCD parameters of a transmission line using nominal method
3	To study & corona a loss & its transmission line
4	To draw receiving end power circle diagram& calculate voltage power factor reactive power & Max power
5	To study different types of insulator used in power system
6	To study a horn gap
7	To study testing of cables
8	To draw different tower structures
Sem: 5rd	Subject Name & Subject Code:Microprocessor and Microcontroller (5EP07)
EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	Microprocessor 8085 block diagram
2	Addition of two eight bit numbers
3	Subtraction of two eight bit numbers
4	Multiplication of eight bit numbers
5	ALP in arranging the element in descending order
6	one's complement of data
7	hex number to binary value
8	PPI
Sem: 5rd	Subject Name & Subject Code: Electrical Machine-II (5EP08)
EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	To verify V-I characteristics of P-N Junction diode and obtain static and dynamic resistance.
2	To observe the ripple factor of Half wave rectifier with and without filter.
3	To observe the ripple factor of Full wave rectifier with and without filter.
4	To study the characteristics of Zener diod.
5	To observe the ripple factor of Full wave Bridge rectifier with and without filter
6	To study the drain characteristics of JFET in common surface configuration
7	To study the operation of stage RC coupled amplifier
8	To Study the characteristics of transistor in CE configuration
9	To study the characteristics of UJT and find out its intrinsic stand off ratio
5 Sem	Subject Name & Subject Code: ICT (5EP09)
EXPERIMENT NO.	EXPERIMENT DESCRIPTION

1	Word Alignment & short cut keys in MS-word
2	Creating bullet list number list in Microsoft word
3	Understanding orientation header footer and printing documents
4	Drawing table with row & columns inserting and removing in excel sheet
5	Presentation basic adding more components to the Slides printing the slides
6	Working with multimedia inserting sound & narration
7	Basic of latex
8	Setting up an internet connection
Sem: 6th	**Subject Name & Subject Code: Power Electronics (6EP06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	the characteristics of SCR
2	forward and reverse characteristics of DIAC
3	forward and reverse characteristics of TRIAC
4	UJT as relaxation oscillator
5	AC voltage control using triac - diac combination
6	the operation of half and full controlled converter
7	the operation of SCR commutation circuits
8	design & simulate dc-dc buck converter
Sem: 6th	**Subject Name & Subject Code:Electrical Energy Distribution and Utilization (6EP07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To Observe the breaking effect of DC Shunt motor by Rheostaic Breaking
2	To Obtain Performance characteristics of DC Shunt Motor by conducting load Test
3	To Obtain Speed Control above & below normal speed of DC Shunt motor, by Armature Control and Field Control Method
4	To Observe the Breaking effect Obtain due to rheostatic Breaking of a three phase Induction Motor
5	To Perform the load test on three phase squirrel cage induction motor to obtain its efficiency and its performance characteristics
6	To Study distribution substation Equipment
7	To Study Electrical Heating
8	To study the illumination System
Sem: 6th	**Subject Name & Subject Code:Computer Aided Electrical Machine Design (6EP08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Develop a computer programme for core design of a single-phase core type transformer

2	Develop a computer programme for core design of a single-phase shell type transformer
3	Develop a computer programme for core design of a three-phase core type transformer
4	Develop a computer programme for optimum core design of a three-phase core type transformer for minimum cost or maximum efficiency.
5	Develop a computer programme for Estimation of Iron losses in a three-phase core type transformer.
6	Develop a computer programme for windings design of a single-phase transformer
7	Develop a computer programme for windings design of a three-phase transformer
8	Develop a computer programme for calculating the No load current of a single-phase transformer.
Sem: 7th	**Subject Name & Subject Code: Power System -II (7EP06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To Determine X_d and X_q by slip Test
2	To determine X_d' and X_q' by conducting short circuit Test.
3	To determine X_d'' and X_q ''by conducting static Test.
4	To determine X1, X2 and X0 by conducting direct Test.
5	To determine X1, X2 and X0 by conducting in-direct Test.
6	To Study equal area criteria for transient stability.
7	To study abc dq0b (parks) transformation.
8	Improvement transient stability using Facts Devices.
Sem: 7	**Subject Name & Subject Code:DSP (7EP07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Write Scilab to generate and plot continious time signal
2	Write Scilab to generate and plot discrete time signal
3	Write Scilab to program to perform arithmatic operation
4	Write Scilab to program to perform discrete time signal
5	Write Scilab to program for linear convolution of discrete time sequence.
6	Write Scilab and plot impulse response from given differential equation.
7	Write Scilab program to perform Up sampling and Down Sampling of given signal.
8	To study classification of filter.
9	To study DSP processor and its application.
Sem: 7	**Subject Name & Subject Code:E and PM (7EP08)**
EXPERIMENT	**EXPERIMENT DESCRIPTION**

NO.	
1	Business plan
2	dpr
3	business opportunity
4	marketing strategy
5	self assessment test
6	short term and long term goal
7	swot analysis
8	stories of entrepreneurs
Sem: 8th	**Subject Name & Subject Code: Power System Protection (8EP05)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	switch gear equation
2	IDMT over current relay
3	numerical overcurrent relay
4	differential protection of transformer
5	Simulation of transmission line fault
6	Detection of distance in underground cable fault
7	Buchhloz relay
8	Automatic active phase selector using arduino
Sem: 8	**Subject Name & Subject Code:CMPSA (8EP06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Write a program for formation of Bus Admittance matrix (Ybus) for given power system network using singular transformation.
2	Write a program for formation of Bus Admittance matrix (Ybus) for given power system network by inspection method.
3	Write a program for formation of Bus Impedance matrix (Zbus) for given power system network by step by step method.
4	Write a program for load flow studies on given power system network by using Gauss-seidel method.
5	Write a program for load flow studies on given power system network by using Newton-Raphson method.
6	To plot swing curve of a given power system by using simulation software.
7	To study modified Euler method & Runge kutta 4^{th} order approximation methods for stability studies of a power system network.
8	To study load flow analysis of a power system by using Gauss- Seidel, Newton-Raphson & FDLF methods.

List of Experiment	
Sem: 3rd	**Subject Name & Subject Code: Object Oriented Programming**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Introduction to OOP and installation of JDK .write a program to print a message "Hello World"
2	Write program to print pyramid.
3	Write program using method overloading to calculate volume of box.
4	Write program which convert a given using into UPPER CASE and reverse it.
5	Write program to study & implement concept of constructor in java
6	Write a program to study & implement concept of inheritance in java
7	Write a program which make use of user defined package.
8	Write a program for exception handling mechanism.
9	Write a program to study and implement the Array in java.
10	Write a program to study and implement the java I/O.
11	Write a program to study and implement the Abstract Class.
12	Write a program to study and implement simple Applet in java
Sem: 3rd	**Subject Name & Subject Code: Data Structure**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Write a program to find out largest number from the array and also find it's location.
2	Write a program to traverse an array and find the sum and average of data elements from an array.
3	Write a Program to a) insert an element in an array b)delete an element from an array.
4	To study and execute the Linear search method
5	To study and execute the Binary Search method
6	To study and execute the Pattern matching Algorithms(Slow and Fast)
7	To study and execute Bubble sort method.
8	To study and implement various operations on singly linked list (a) Insert a node at the front of the linked list. (b) Insert a node at the end of the linked list. (c) Delete a last node of the linked list. (d) Delete a node before specified position
9	To study and implement following operations on the doubly linked list. (a) Insert a node at the front of the linked list. (b) Insert a node at the end of the linked list. (c) Delete a last node of the linked list. (d) Delete a node before specified position

10	To study and implement following operations on the circular linked list. (a) Insert a node at the end of the linked list. (b) Insert a node before specified position. (c) Delete a first node of the linked list. (d) Delete a node after specified position.
Sem: 3rd	**Subject Name & Subject Code: Analog & Digital Electronics**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	To study V-I characteristics of a PN Junction diode in Forward and Reverse bias.
2	To Sketch and Study the input and output characteristics of transistor connected in Common Emitter (CE) configuration..
3	To Sketch and Study the input and output characteristics of transistor connected in Common Base (CB) configuration.
4	To plot static characteristics of FET & calculate its parameters gm, rd and μ.
5	To implement Logic gates using TTL ICs (7400, 7402, 7404, 7408, 7410, 7411, 7420, 7427, 7432, 7486).
6	Study and verify the truth table of half adder and full adder using logic gates.
7	Study and verify the truth table of half subtractor and full subtractor using logic gates
8	Implementation of 4×1 multiplexer using logic gates.
9	Implementation and verification of Demultiplexer using logic gates.
10	Verification of truth table of SR, JK, T and D Flip Flops.
Sem: 3rd	**Subject Name & Subject Code: C-Skill**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Introduction to The Node.JS and its installation to print Hello World.
2	To Study built in modules and implement the user defined built in modules.
3	To study HTTP moduleand implement Node.Js as a web server.
4	To study and implement Node.Js File system to read, writ, create or update file.
5	To convert the output “Hello World” into upper case letters package of NPM.
6	To study event handling in Node.Js and demonstrate it using event module.
7	To demonstrate the creation database and table in NYSQL using Node.Js.
8	To demonstrate insertion of single and multiple records using “INSERT” stmt
9	To demonstrate display of records using “SELECT” stmt and display it.
10	To demonstrate deletion of records from database using “DELETE: stmt
Sem: 4th	**Subject Name & Subject Code: Data Communication network**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	To study various LAN typologies and their creation using networking devices,cables and computers.
2	To connect the computers in local Area Network .

3	Familiarization with Networking Components and devices : LAN Adapters,Hubs ,Switches ,Routers etc.
4	Write a Program of bit stuffing used BY
5	Data Link Layer.
5	Write a program to implement CRC
6	Write a program to implement Checksum.
7	Write a program to implement sliding window.
8	Cong-figure internet connection and use IP -con-fig PING Tracer and Net stat utilities to debug the network issues.
9	Configuration of TCP /IP Protocols in windows & Linux.
10	Transfer files between systems in LAN using FTP Configuration install print server in a LAN and share the printer in a network .
11	Write a c program to determine if the IP address is in class A,B,C,
12	Write a program to translate Dotted Decimal IP Address into 32 bit Address.
Sem: 4th	**Subject Name & Subject Code: Operating System**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	CPU Scheduling Algorithm a) First come first serve b)Shortest job first (sfs) c) Round Robin d) Priority.
2	Producer consumer problem using semaphores.
3	Dinning philosopher technique.
4	(A) Multiprogramming with Fixed number of task B) Multiprogramming with variable number of tasks
5	Contiguous memory allocation A) worst Fit B) Best Fit C) First fit
6	Page Replacement Algorithm A) First Recently used B) Optimal C) Least Recently used (LRU)
7	File organization technique A) Single level directory B) Two Level directory
8	File Allocation Strategies A) Sequential B) Indexed C) Linked
9	Dead lock Avoidance
10	Deal lock preventions
11	Disk Scheduling Algorithm A) FCFS B) SCAN C) C-SCAN
Sem: 4th	**Subject Name & Subject Code: Microprocessor & Assembly Lang. Prog. Lab**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Installation and Introduction of TASM Assembler.
2	Write a program for addition of two 8-bits numbers and two 16-bits numbers.

3	Write a program for subtraction of two 8-bits numbers and two 16-bits numbers.
4	Write a program for multiplication of two 8-bits numbers.
5	Write a program for division of two 8-bits numbers
6	Write a program to check whether a given number is even or odd
7	Write a program to find Factorial of a number using loop instruction.
8	Write an assembly language program to arrange the given numbers in descending order.
9	Write a program to check whether a given number is positive or negative.
10	Write a program to perform Reverse of the String
11	Write a program to find whether the string is palindrome or not.
12	Write a program to perform block transfer.
Sem: 4th	**Subject Name & Subject Code: C Skill-II**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Introduction to PHP and configure it to work with Apache Web Server.
2	Design web pages for your college containing a description of the courses, departments, faculties, library etc, use href, list tags.
3	Create your class timetable using table tag.
4	Create user Student feedback form (use textbox, text area , checkbox, radio button, select box etc.)
5	Create your resume using HTML tags also experiment with colors, text , link , size and also other tags you studied.
6	Design a web page of your home town with an attractive background color, text color, an Image, font etc. (use internal CSS).
7	Develop a JavaScript to display today's date.
8	Write a JavaScript to design a simple calculator to perform the following operations: sum, product, difference and quotient.
9	Write an HTML page that contains a selection box with a list of 5 countries. When the user selects a country, its capital should be printed next to the list. Add CSS to customize the properties of the font of the capital (color, bold and font size)
10	Write a PHP program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings.
11	Write a PHP program to display a digital clock which displays the current time of the server.
12	Write the PHP programs to do the following: a. Implement simple calculator operations. b. Find the transpose of a matrix.
Sem: 5th	**Subject Name & Subject Code: DataBase Management System Lab**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Introduction to Database management System and SQL/MySQL.
2	Consider College and Company databases and draw ER diagram and convert entities

	and relationships to relation table for a given scenario.
3	Consider following Movie Database,
4	Creating Tables and altering the Tables.
5	Create a DML Commands are used to manage data within the scheme objects.
6	Practice the following Queries: 1. Display unique PNR_NO of all passengers. 2. Display all the names of male passengers
7	To Practice Queries using Aggregate functions for the following 1.Write a Query to display the information present in the passenger and cancellation tables.
8	Creation of insert trigger, delete trigger and update trigger.
9	Creation of stored Procedures and Execution of Procedures and Modification of Procedures.
10	Declare a cursor that defines a result set. Open the cursor to establish the result set. Fetch the data into local variables as needed from the cursor, one row at a time. Close the cursor when done.
11	Create the EMPLOYEE and DEPARTMENT Relation.
12	Perform Operations on Nested queries&Union Relational Database.
Sem: 5th	**Subject Name & Subject Code: Compiler Design Lab**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Design a lexical analyzer for given language and the lexical analyzer should ignore Redundant spaces, tabs, comments and new lines.
2	Write a C program to identify whether a given line is a comment or not.
3	Implement a symbol table containing functions create(), modify(),search(),display() and delete().
4	Implement the C program to construct NFA from regular expression.
5	Implement the C program to Deterministic finite automation for a string which ending with ‘a’,’a*b’,’abb’.
6	Write a program to construct of DFA from NFA.
7	Implement a lex program to generate string which is ending with zero.
8	Implement a lex program to check given number is positive or negative or zero.
9	Implement the lexical analyzer using JLex, Flex or other lexical analyzer generating tools.
10	Write a graphics program for constructing Recursive Descent Parsing.
11	Write a graphics program for constructing SLR Parsing.
12	Write a graphics program for constucting LL(1) Parsing.
Sem: 5th	**Subject Name & Subject Code: Emerging Technology Lab# I**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	To study the difference between Windows and Linux operating system.
2	To study and install Linux/Ubuntu.
	To study and execute Dimitry information gathering tools.

3	To study and execute RedHawk information gathering tools.
4	To study and execute Nmap information gathering tools.
5	To study and execute Sparta information gathering tools.
6	To study and execute Raccon information gathering tools.
7	To study and execute BadKarma information gathering tools.
8	Implement a lex program to check given number is positive or negative or zero.
Sem: 5th	**Subject Name & Subject Code: C Sill Lab-III**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Introduction to the Node.js
2	To study built inmodule in implement the user define built in modules .
3	To Study HTTP Modulend implement the user define built in modules.
4	To study and implement Node.js as web server.
5	To Study and implement Node.js File .
6	To Convert the output "Hellow world" using Node.js
7	To demonstrate the creation database and table in NUSQL using nNode.js
8	To demeonstrate insertion of single and multiple records
9	To demeonstrate display of records using "SELECT" stmt and display it.
10	To demeonstrate display of records from database using "DELETE" stmt.
Sem: 6th	**Subject Name & Subject Code: Design & Analysis of Algorithm Lab**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Study and Implement the Divide and Conquer strategy using the Merge sort Algorithm and determine the complexity of an algorithm.
2	Implement and analyze to sort an array of integers using quicksort
3	Explain the knapsack algorithm to find an optimal solution of getting maximum profit and implement using the program
4	Minimum Cost Spanning Tree of a given undirected graph using Kruskal's algorithm
5	Implement programs to find minimum cost spanning trees from a given graph using Prim's algorithm.
6	Implement programs to find the shortest path in a given graph using Dijkstra's algorithm
7	Implement programs factorial knapsack problem.
8	Develop a program to implement Strassen's matrix multiplication algorithm.
9	Develop a program to implement chain matrix multiplication problems using dynamic programming.
10	Explain Breadth-First Search and Implement BFS to print all the nodes reachable from a given starting node in a digraph
11	Program for finding shortest path for multistage graph using dynamic programming.
12	Implement C programs N Queen's problem using Back Tracking
Sem: 6th	**Subject Name & Subject Code: Software Engineering Lab**

Experiment No :	EXPERIMENT DESCRIPTION
1	Identifying the Requirements from Problem Statements (Requirements, Characteristics of Requirements, Categorization of Requirements Functional Requirements, And Identifying Functional Requirements).
2	Estimation of Project Metrics (Project Estimation Techniques, COCOMO, Basic COCOMO Model, Intermediate COCOMO Model, Complete COCOMO Model, Advantages of COCOMO, Drawbacks of COCOMO, Halstead's Complexity Metrics).
3	Modeling UML Use Case Diagrams and Capturing Use Case Scenarios (Use case diagrams, Actor, Use Case, Subject, Graphical Representation, Association between Actors and Use Cases, Use Case Relationships, Include Relationship, Extend Relationship, Generalization Relationship, Identifying Actors, Identifying Use cases, Guidelines for drawing Use Case diagrams).
4	E-R Modeling from the Problem Statements (Entity Relationship Model, Entity Set and Relationship Set, Attributes of Entity, Keys, Weak Entity, Entity Generalization and Specialization, Mapping Cardinalities, ER Diagram, Graphical Notations for ER Diagram, Importance of ER modeling
5	Identifying Domain Classes from the Problem Statements (Domain Class, Traditional Techniques for Identification of Classes, Grammatical Approach Using Nouns, Advantages, Disadvantages, Using Generalization, Using Subclasses, Steps to Identify Domain Classes from Problem Statement, Advanced Concepts).
6	State chart and Activity Modeling (State chart Diagrams, Building Blocks of a Statechart Diagram, State, Transition, Action, Guidelines for drawing Statechart Diagrams, Activity Diagrams, Components of an Activity Diagram, Activity, Flow, Decision, Merge, Fork, Join, Note, Partition, A Simple Example, Guidelines for drawing an Activity Diagram).
7	Modeling UML Class Diagrams and Sequence diagrams (Structural and Behavioral aspects, Class diagram, Elements in class diagram, Class, Relationships, Sequence diagram, Elements in sequence diagram, Object, Life-line bar, Messages).
8	Modeling Data Flow Diagrams (Data Flow Diagram, Graphical notations for Data Flow Diagram, Explanation of Symbols used in DFD, Context diagram and leveling DFD).
9	Estimation of Test Coverage Metrics and Structural Complexity (Control Flow Graph, Terminologies, McCabe's Cyclomatic Complexity, Computing Cyclomatic Complexity, Optimum Value of Cyclomatic Complexity, Merits, Demerits).
10	Designing Test Suites (Software Testing, Standards for Software Test Documentation, Testing Frameworks, Need for Software Testing, Test Cases and Test Suite, Types of Software Testing, Unit Testing, Integration Testing, System Testing, Example, Some Remarks).
Sem: 6th	**Subject Name & Subject Code: Emerging Technology Lab# II**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Study practical on introduction to IOT.
2	Study practical on thingsboard.
3	Study installation on thingsboard on windows machine.

4	Study practical on Introduction to Kinoma.
5	Study practical on installation to Kinoma
5	Study practical of Kinoma create, Kinoma connect,KinomaJS
6	Study practical on SiteWhere
Sem: 6th	**Subject Name & Subject Code:C Skill Lab -IV**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Study practical on introduction to IOT.
2	Study practical on thingsboard.
3	Study installation on thingsboard on windows machine.
4	Study practical on Introduction to Kinoma.
5	Study practical on installation to Kinoma
5	Study practical of Kinoma create, Kinoma connect,KinomaJS
6	Study practical on SiteWhere
Sem: 7th	**Subject Name & Subject Code: Computer Graphics Lab**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Write a program to draw a line using DDA Algorithm.
2	Write a program to draw a line using Bresenham's Algorithm.
3	Write a program to draw a circle using Bresenham's Algorithm.
4	Write a program for 2-D transformation ,A) Scaling. B)Translation c) Rotation.
5	Write a program for 3-D transformation ,A) Scaling. B)Translation c)Rotation.
6	Write a program to fill polygan using scan line Algorithm.
7	Write a program to draw following type Curve-Koach Curve, Bezier curve.
8	Write a program to clip line using following algorithm: Cohen-Suthrland Algorithm.
9	Write a program to draw following type of curve-Hilbert's Curve
10	Write a program for moving a cycle.
11	Write a program of man walking in a rain.
12	Write a graphics program for analog clock.
Sem: 7th	**Subject Name & Subject Code:Emerging Technology Lab# III**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Write a program to draw a line using DDA Algorithm.
2	Write a program to draw a line using Bresenham's Algorithm.
3	Write a program to draw a circle using Bresenham's Algorithm.
4	Write a program for 2-D transformation ,A) Scaling. B)Translation c) Rotation.
5	Write a program for 3-D transformation ,A) Scaling. B)Translation c)Rotation.
6	Write a program to fill polygan using scan line Algorithm.
7	Write a program to draw following type Curve-Koach Curve, Bezier curve.
8	Write a program to clip line using following algorithm: Cohen-Suthrland Algorithm.
9	Write a program to draw following type of curve-Hilbert's Curve

10	Write a program for moving a cycle.
11	Write a program of man walking in a rain.
12	Write a graphics program for analog clock.
Sem: 7th	**Subject Name & Subject Code:Emerging Technology Lab# IV**
Experiment No :	**EXPERIMENT DESCRIPTION**
1	Write a program to draw a line using DDA Algorithm.
2	Write a program to draw a line using Bresenham's Algorithm.
3	Write a program to draw a circle using Bresenham's Algorithm.
4	Write a program for 2-D transformation ,A) Scaling. B)Translation c) Rotation.
5	Write a program for 3-D transformation ,A) Scaling. B)Translation c)Rotation.
6	Write a program to fill polygan using scan line Algorithm.
7	Write a program to draw following type Curve-Koach Curve, Bezier curve.
8	Write a program to clip line using following algorithm: Cohen-Suthrland Algorithm.
9	Write a program to draw following type of curve-Hilbert's Curve
10	Write a program for moving a cycle.
11	Write a program of man walking in a rain.
12	Write a graphics program for analog clock.

'a Bahuddheshiya Samajik Sanstha's
yak Technical Campus
Department of Electronics and Telecommunication Engineering

List of Experiment	
Sem: 3rd	**Subject Name & Subject Code: Electronic Design Circuit (3ETC06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To verify V-I characteristics of p-n junction diode and obtain static and dynamic resistance values.
2	To calculate efficiency and ripple factor of Half wave, Full wave and Bridge wave rectifier
3	To study different types of filter circuits and calculate its ripple factor for C-filter.
4	To study Zener diode as a voltage regulator
5	To observe the response of RC Low pass circuit for a square wave input for different time Constant i) RC >>T ii) RC = T iii) RC <<T.
6	To obtain output characteristics of the clipping circuits for different reference voltages and to verify the responses.
7	To study and observe the performance of various clamper circuit.
8	To verify characteristics of CE mode of BJT and compute its parameters such as gain(β),input and output Impedance.

Sem: 3rd	Subject Name & Subject Code: DIGITAL SYSTEM DESIGN (3ETC07)
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To Study and Verify the Operation of Logic Gates
2	Design and Implementation Of Adder And Subtractors Using Logic Gates.
3	Design and Implementation of Code Convertor using logic gate.
4	To study the operation of various logic families.
5	To Design and Verify truth table of 4:1 MUX
6	To Design and Verify the truth table of 2:4 DE-MUX
7	Design and implement 2-bit magnitude comparator using logic gates.
8	To Study and Verify the SR Flip-Flops..
Sem: 3rd	**Subject Name & Subject Code: Object Oriented Programming (3ETC08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Write a program to demonstrate the use of class and object
2	Write a C++ program to swap two variable using third variable.
3	Write a C++ program to swap two variable without using third variable
4	Write a program in C++ to implement parameterize constructor and copy constructor
5	Write a C++ program toimplement function overloading
6	Write a program in C++ to print the area and parameter of a rectangle
7	To write a C++ program number 1to 100
8	Write a java program to calculate circle area
Sem: 3rd	**Subject Name & Subject Code: Electronic Workshop (3ETC09)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To understand the basics of Multimeter and CRO, Digital Storage Oscilloscope (DSO) and Function Generator
2	To examine and distinguish various types of 1. Fixed & Variable Resistors 2. Fixed & Variable Capacitors
3	To analyze and learn different types of switches and relays.
4	To examine and learn different types of cables and connectors
5	To study different types of diodes and Opto-Devices: LED, Photo Diode used in various application.
6	To scrutinize and learn different types of sensors like temperature sensors, pressure sensors, light detecting sensors, sound sensors, smoke sensors.
7	To test various diodes, and transistors using multimeter and CRO
8	Plot the output waveform of Full Wave Bridge rectifier using Multisim software

Sem: 4th	Subject Name & Subject Code: Analog And Digital Communication (4ETC06)
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To observe the AM & FM frequency spectrum on spectrum analyzer.
2	To study the process of Frequency Modulation and Demodulation and to calculate the depth of modulation by varying the modulating voltage.
3	To study the generation of DSB-SC signal.
4	To generate the SSB modulated wave by phase shift method.
5	To study Pulse Amplitude Modulation (PAM) & Demodulation Process. To study Pulse Width Modulation & Demodulation Process.
6	To verify the operation of Pulse Code Modulation and Demodulation
7	To verify the output of Delta Modulation and Demodulation and observe the waveforms
8	To explore Time Division Multiplexing (TDM) and De multiplexing as a application of PAM
Sem: 4th	**Subject Name & Subject Code: Analog Circuit (4ETC07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To verify Op-Amp IC 741 as an inverting and non- inverting amplifier with a specific gain value
2	To demonstrate integrator and differentiator circuit using Op-Amp IC 741.
3	To verify RC- phase shift oscillator using Op-Amp IC 741.
4	To verify Op-Amp IC 741 as a Schmitt trigger and calculate the hysteresis voltage.
5	To verify operation of astable multivibrator using Op-Amp IC 741.
6	To plot frequency response of first order Butterworth LPF for a specific pass-band gain and cut-off frequency
7	To verify characteristics of PLL
8	Design transistorized series voltage regulator
Sem: 4th	**Subject Name & Subject Code: NETWORK CIRCUIT (4ETC08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To verify Node Analysis for electric circuit.
2	To verify Mesh Analysis for electric circuit.
3	To verify Superposition theorem for a given network.
4	To verify Thevenin's theorem for a given network.
5	To verify Norton's theorem for a given network.
6	To verify Reciprocity theorem for a given network.
7	To verify Maximum Power Transfer theorem for a given network

8	To determine and verify open circuit (Z) Impedance parameters of a given Two Port network
Sem: 4th	**Subject Name & Subject Code: SIGNALS & SYSTEM (4ETC09)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Study of Signal Processing Functions used in MATLAB/SCILAB
2	Program to generate standard continuous Time Signals.
3	Program to generate standard discrete Time Signals.
4	Program to perform basic operations on Signals
5	Program to find Even And Odd parts of a signal.
6	Program to check Periodicity of signals.
7	Program to find the Energy and Power of a Signal.
8	Program to find Fourier transform of given signal.
Sem: 5th	**Subject Name & Subject Code: Microcontroller Lab (5ETC06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To study the architecture of microprocessor 8085 with block diagram
2	A program take a content of 2009, Apps it to 200A store the result block 20013
3	Write a assembly program to add two decimal numbers to store the result
4	Write & execute the program to substract at location 2100H and 2101H
5	Write & execute a program to multiply two 8 bit number 02H & 03H store at location 2100H & 2101H
6	Write a program using 8051 microcontroller to add to 8 bit number
7	Write a program using 8051 microcontroller to substract two 8 bit numbers
8	Write a program using 8051 microcontroller for division of two 8 bit numbers
Sem: 5th	**Subject Name & Subject Code: DSP (5ETC07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To find DFT / IDFT of given DT signal
2	Program to obtain Linear Convolution of two finite length sequences
3	Implementation of FFT of given sequence
4	Determination of Power Spectrum of a given signal
5	Implementation of LP FIR filter for a given sequence
6	Implementation of HP FIR filter for a given sequence
7	Implementation of LP IIR filter for a given sequence
8	Generation of DTMF signals
9	Implementation of Decimation Process . Implementation of Interpolation Process
Sem: 3rd	**Subject Name & Subject Code: PE (5ETC08)**

EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	To obtain the forward conduction characteristics of the SCR and to measure the holding current and latching currents.
2	To obtain the forward and reverse conduction characteristics of TRIAC and to plot its characteristic curve.
3	To obtain the steady state output and transfer characteristics of MOSFET
4	To obtain the steady state output and transfer characteristics of IGBT
5	To study the operation of single phase half controlled bridge converter with R and RL load and to determine rectification ratio, form factor and ripple factor.
6	To study the operation of single phase fully controlled bridge converter with R and RL load and to determine rectification ratio, form factor and ripple factor.
7	To obtain the gain characteristics of MOSFET based Buck Converter or Step-down Chopper.
8	To obtain the gain characteristics of MOSFET based Boost Converter or Step up Chopper.
Sem: 5th	**Subject Name & Subject Code: ELECTRONIC LAB BASED ON INSTRUMENTATION (5ETC09)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Temperature measurement using temperature sensor
2	Measurement of linear displacement using LVDT
3	Study of instrumentation amplifier
4	Measurement of force using strain gauge
5	Measurement of Pressure using Piezo-electric Transducer.
6	To measure the speed of a motor shaft with the help of non-contact type pick-ups (magnetic or photoelectric).
7	Displacement measurement by Capacitive Transducer
8	Temperature measurement by thermistor.
Sem:6th	**Subject Name & Subject Code: Computer Network (6ETC06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Aim to study of network connecting device
2	Implement straight through cables using claping tool
3	Create a simple LAN with an Ethernet switch/ hub and straigh through cable to connect each pc check the newtork connection with the ping command
4	Accessing remote computer desktop and share printer between pcs local area network
5	To sharing file and folder with various security levels between two pcs
6	Assign IP address to the pc connected to the internet
7	To use FTP protocol to transfer file from one system to another

8	To install any one open source packet capture soft ware like wireshark and analyze traffic with it.
Sem: 6th	**Subject Name & Subject Code:Electronic Circuit Design Lab (6ETC07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Layout, physical verification, placement & route for design, static timing analysis, Parametric analysis of CMOS Inverter on silicon using appropriate ASIC design tool.
2	Layout, physical verification, placement & route for design, static timing analysis of two input NAND and NOR logic gates on silicon using appropriate ASIC design tool.
3	Layout, physical verification, placement & route for design, static timing analysis,Parametric analysis of D Flip-flop on silicon using appropriate ASIC design tool.
4	Layout, physical verification, placement & route for design, static timing analysis,Parametric analysis of f=(A.B+C.D) on silicon using appropriate ASIC design tool.
5	To write Verilog code for BCD Counter and simulate with test bench.
6	To write Verilog code for 2-to-4 decoder and simulate with test bench, synthesis, implement on PLD
7	To write Verilog code for 8-to-1 Multiplexer and simulate with test bench, synthesis implement on PLD.
8	To write Verilog code for D flip-flop with reset and simulate with test bench, synthesis implement on PLD.
Sem: 6th	**Subject Name & Subject Code: Python Programming Lab (6ETC08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To Study Installation process of Pycharm
2	To Study and Explain python Data Type, also write their Program
3	WAP Arithmetic operation using python
4	WAP to find largest of three numbers using If-else Condition
5	WAP to create, append and remove list in python
6	WAP using “input” Function
7	WAP to Concatenate two tuples.
8	WAP to find factorial of a numbers using recursion.
Sem: 7th	**Subject Name & Subject Code: Cryptography Network Sequrity (7ETC06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Write a c program that contain string with a value hello world the program should And Or and XOR each other in this string with 17 and display the result.
2	To implement the simple substitution technique normed Caesar cipher using c.
3	Write a c program to implement the rail ferce transposition technique.

4	Write a java program to implement RAS algorithm
5	WAP using java cryptography encrypt the text hello word using blowfish create our own key using java key tool.
6	Write a java program for substitution cipher.
7	Study of different wireless component and features of n any one of mobile security apps.
8	To study principle of n public key cryptosystem.
Sem: 7th	**Subject Name & Subject Code: Digital Image and Video Processing Lab (7ETC07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Introduction to digital finage processing toolhos and Scilab overview.
2	Write a program in Seilab to read image, and to convert RGB intage into Gray seale and Gray Scale image into Binary Image.
3	Write a program in Scilab to read image, and Separate color image into three separate R, G, and B planes.
4	Write a Scital Code to demonstrate Log Transformation and Power Law transformation of an image.
5	Study of intage Histogram and perform the Histogram equalization on image using Scilab.
6	Write a Seilab Code to remove Sault and pepper noise from mpat bumage using nonlinear Median filter and wiener filter.
7	Write a Scilab Code to pertorm High pass and Low pass Filtering on image.
8	Write Scilab code to perform Sobel, Prewitt and Roberts Operators on given hiput image.
9	Write and execute Scilab programs for image frequency domain filtering.
Sem: 7th	**Subject Name & Subject Code: Project Management and Entrepreneurship Lab (7ETC08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Layout, physical verification, placement & route for design, static timing analysis, Parametric analysis of CMOS Inverter on silicon using appropriate ASIC design tool.
2	Layout, physical verification, placement & route for design, static timing analysis of two input NAND and NOR logic gates on silicon using appropriate ASIC design tool.
3	Layout, physical verification, placement & route for design, static timing analysis, Parametric analysis of D Flip-flop on silicon using appropriate ASIC design tool.
4	Layout, physical verification, placement & route for design, static timing analysis, Parametric analysis of f=(A.B+C.D) on silicon using appropriate ASIC design tool.
5	To write Verilog code for BCD Counter and simulate with test bench.
6	To write Verilog code for 2-to-4 decoder and simulate with test bench, synthesis, implement on PLD.
7	To write Verilog code for 8-to-1 Multiplexer and simulate with test bench, synthesis, implement on PLD.

8	To write Verilog code for D flip-flop with reset and simulate with test bench, synthesis, implement on PLD.
9	To write Verilog code for 4 Bit Full Adder in Module instantiation simulate with test bench, synthesis, implement on PLD.
10	To write Verilog code for sequence detector-1111 and simulate with test bench, synthesis,implement on PLD.
Sem: 8th	**Subject Name & Subject Code: Embedded Systems- Lab (8ETC05)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Write embedded C Program to blink LED wing AVR AT MEGA X Development Board
2	Write Embedded C Program to blink LED's by sing AVR AT MEGA 32 Development board with portC
3	Write Embedded C Program to rotate the stepper matar 360 clockwise by half step sequence and 360° anticlockwise by full step sequence.
4	Write Embedded C Program to generate 50Hz PWM to control Serve Motor in an angle between-90° to +90° rotation. & to generate S0Hz PWM to control Servo Motor in an angle between -90° to +90° rotation using an external potentiometer knob.
5	Write Embedded C Program to Interface LCD16x2 with AVR AT- Mega32 and Print "Welcome to STC.
6	Write Embedded C Program to display and measure distance using HC-SR 04 Ultrasonic Sensor with AVR AT-Mega 32 Microcontroller.
7	Write Embedded C Program to interface PIR Motion Sensor with AVR AT-Mega 32 Microcontroller and get output on LED.
8	Write Embedded C Program to display temperature on LCD 16*2 display using LM35 temperature sensor with AVR AT-Mega 32 Microcontroller.
Sem: 8th	**Subject Name & Subject Code: Microwave Theory and Techniques Lab (8ETC06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Study of the setup of the microwave test bench Reflex Klystron based.
2	Plotting of the characteristics of Reflex Klystron.
3	Understand and verify the properties of Isolator
4	Understand and verify the properties of T-Circulator
5	Understand and verify the properties of E-plane Tee, H-plane Tee and Magic Tee
6	Study of the setup of Antenna trainer kit for plotting the radiation pattern
7	Plotting of the radiation pattern of the Yagi-uda, and folded dipole Yagi-uda antenna
8	Plotting of the radiation pattern of the log periodic antenna, Heartz antenna
9	Understanding the transmission of audio signal through microwave test bench

List of Experiment	
Sem: 3rd	**Subject Name & Subject Code: MECHANICS OF MATERIAL (3ME06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Tension test on metals.
2	Compression test on materials.
3	Shear test on metals.
4	Impact test on metals.
5	Hardness test on metals.
6	Torsion test on metals.
7	Deflection of beams.
8	Modulus of rupture test.
9	Deflection of springs.
Sem: 3rd	**Subject Name & Subject Code: FLUID MECHANICSL (3ME07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Study of Manometers.
2	Measurement of fluid pressure by manometer.
3	Determination of metacentric height.
4	Verification of Bernoulli's equation.
5	Flow measurement by venturimeter.
6	Study of venturimeter.
7	Determination of co-efficient of friction for pipes.
8	Determination of head loss due to sudden enlargement.
9	Determination of head loss due to sudden contraction.
10	Determination of losses in bends.
Sem: 3rd	**Subject Name & Subject Code:MP (3ME08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Study of safety precautions in workshop practices.
2	Missing Views
3	Development of surfaces of Cubes / Prisms / Cylinders / Pyramids / Cones & their cut sections
4	Intersections of Solids – Prism & Prism /Cylinder & Cylinder /Cylinder & Prism / Cone & Prism
5	Conventions for various materials & parts

6	Preparation of detail drawings of simple machine assembly Preparation of assembly drawing of simple machines
Sem: 3rd	**Subject Name & Subject Code:MACHINE DRAWING (3ME10)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Conversion of pictorial view into Sectional Orthographic Projection
2	Missing Views
3	Development of surfaces of Cubes / Prisms / Cylinders / Pyramids / Cones & their cut sections
4	Intersections of Solids – Prism & Prism /Cylinder & Cylinder /Cylinder & Prism / Cone & Prism
5	Conventions for various materials & parts
6	Preparation of detail drawings of simple machine assembly
7	Preparation of assembly drawing of simple machines
Sem: 4TH	**Subject Name & Subject Code:BEDC (4ME06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	To study the Specification of Various Electrical Machines.
2	To study the D.C. Motor Starters.
3	To study the Running and Reversing of D.C. Motor.
4	Speed Measurements using Magnetic Pick-up.
5	To study the Speed reversal of counter Current Breaking of 3-phase Induction Motor.
6	To control the speed of D.C. Motor by a) Armature Control b) Field Control.
7	To perform Load Test on Induction Motor.
Sem: 4TH	**Subject Name & Subject Code:MATERIAL SCIENCE (4ME07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Study of metallurgical microscope.
2	Preparation of specimen for micro-examination..
3	Molding of specimen for micro-examination.
4	Study of micro structures of Annealed and normalized plain carbon steels.
5	Study of micro structures of alloy steels and H.S.S.
6	Study of micro structures of various cast irons.
7	Study of micro structures of non-ferrous metals.(brasses, bronzes)
8	Study of micro structures of hardened and tempered steels.
Sem: 4TH	**Subject Name & Subject Code:MANUFACTURING TECHNIQUES (4ME09)**

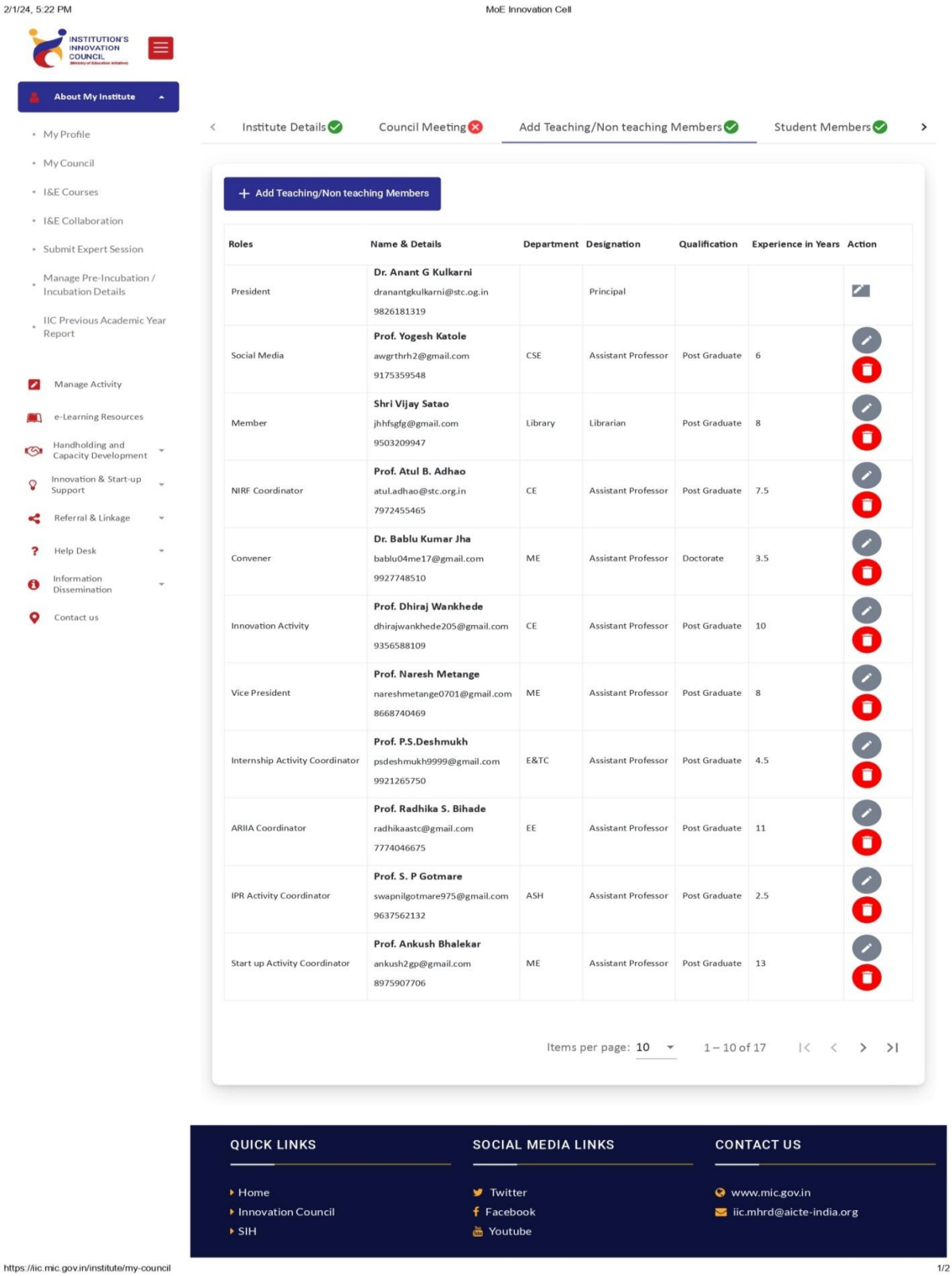
EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	Demonstration of operations related to lathe, shaper, slotter, drilling & grinding m/cs.
2	One job on lathe covering taper turning and threading.
3	One job on shaping covering plane and inclined surfaces.
4	One job on milling machine.
Sem: 4TH	**Subject Name & Subject Code:HYDRAULICS & PNEUMATICS (4ME010)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Trial/study of Pelton Turbine.
2	Trial/study of Francis Turbine.
3	Trial/study of centrifugal pump.
4	Trial/study of reciprocating pump.
5	Trial/study of Hydraulic Ram.
6	Study of Special pumps (Air lift pump/jet pump)
7	Trial/Study of Gear pump
Sem: 5TH	**Subject Name & Subject Code:KINEMATICS OF MACHINE(5ME06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Study of inversion of four bar mechanism.
2	Study of inversion of slider crank mechanism.
3	Study of inversion of double slider crank mechanism.
4	Study of velocity analysis by relative velocity method/ pole technique.(2 Prob)
5	Study of velocity analysis by relative velocity method/ pole technique.(2 Prob)
6	Study of acceleration analysis by relative acc. method. (2 Prob)
Sem: 5TH	**Subject Name & Subject Code: HT (5ME07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Determination of thermal conductivity of a metal bar.
2	Determination of thermal conductivity of insulating powder.
3	Study of heat transfer through composite wall.
4	Determination of fin efficiency.
5	Verification of Stefan-Boltzmann's law.
6	Determination of heat transfer coefficient for forced convection.
7	Determination of heat transfer coefficient for natural convection.
Sem: 5TH	**Subject Name & Subject Code: MS (5ME08)**

EXPERIMENT NO.	EXPERIMENT DESCRIPTION
1	Measurement of strain using strain gauges.
2	Calibration of pressure gauge with pressure gauge tester
3	Measurement of linear displacement by LDR and inductive pick-up transducers.
4	Performance of capacitance transducer as a angular displacement measuring device
5	Performance of inductive Transducers.
6	Flow measurement.
7	Speed measurement by a stroboscope.
Sem: 5TH	**Subject Name & Subject Code: MQC (5ME09)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Determination of Linear/Angular dimensions of a given specimen/ part using Precision/Non-Precision Measuring instruments.
2	Precision Angular Measurement using Sine Bar/Sine Centre, Autocollimator/Angle Dekkor
3	Measurement of Gear Tooth Thickness by Gear Tooth Vernier Caliper/Constant Chord/Span Micrometer.
4	Measurement of Circularity/Roundness of a given specimen
5	Measurement of Screw Thread Element by Floating Carriage Micrometer.
6	Testing of Surfaces by using Optical Flat.
7	Measurements of various angles of single point cutting tool by using Profile Projector and Tool Maker's Microscope.
Sem: 6TH	**Subject Name & Subject Code: DME (6ME06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Design of Cotter or Knuckle joint.
2	Design & drawing of screw jack.
3	Design & drawing of Riveted joints.
4	Design of shaft with drawing.
5	Design & drawing of leaf spring.
6	Standard threads used in engineering.
7	Design of connecting rod.
Sem: 6TH	**Subject Name & Subject Code: DOM (6ME07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Study of static force analysis of mechanism. (any 2 problem)
2	Determining the inertia forces of connecting rod
3	Determination of gyroscopic couple.

4	Study of vehicle dynamics.
5	To study the longitudinal vibration of helical spring and to determine the frequency and time period of oscillation theoretically and experimentally.
6	Experiment on free and damped vibration of systems with one degree of freedom.
7	Experiment on forced damped vibration of systems with one degree of freedom.
Sem: 6TH	**Subject Name & Subject Code: RS (6ME09)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Design any physical model based upon science principles.
2	Design any electromechanical model
3	Design any computer base model
4	Design any pneumatic/hydraulic system for industrial/social application
5	Design any automated system for industrial/social application
6	Design a system which will use non-conventional energy source
7	Design some solution to face any pandemic situation
Sem: 7TH	**Subject Name & Subject Code: EC-II (7ME06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Trial on reciprocating compressor.
2	Trial on centrifugal blower.
3	Studies of domestic refrigerator.
4	COP calculation of vapor compression system.
5	Study of room air conditioner.
6	Study of gas turbine with the help of models.
Sem: 7TH	**Subject Name & Subject Code: EC-II (7ME06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Trial on reciprocating compressor.
2	Trial on centrifugal blower.
3	Studies of domestic refrigerator.
4	COP calculation of vapor compression system.
5	Study of room air conditioner.
6	Study of gas turbine with the help of models.
Sem: 7TH	**Subject Name & Subject Code: MTRS (7ME07)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Understand key elements of mechatronics system
2	Understand concept of transfer function, reduction & analysis

3	Understand principles of sensors, charcateristics
4	Understand the concept of PLC
5	Understand system modelling
6	Understand control actions such as proportional, derivative app.
Sem: 7TH	**Subject Name & Subject Code: AE (7ME08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Study types of automobiles &its function
2	Study fuel feed system
3	Study electrical system
4	Study transmission system
5	Study braking system
6	Study suspension system
Sem: 8TH	**Subject Name & Subject Code: ICE (8ME08)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Performance test on a single cylinder diesel engine.
2	Performance test on a single cylinder petrol engine.
3	Evaluation of the heat balance for single cylinder diesel engine.
4	Performance test on a multi-cylinder petrol engine
5	Morse test on multi-cylinder petrol engine
6	Study of various types of fuel injectors and nozzles
Sem: 8TH	**Subject Name & Subject Code: RAC (8ME06)**
EXPERIMENT NO.	**EXPERIMENT DESCRIPTION**
1	Trial on vapour compression system
2	Trial on Air-conditioning system.
3	Study of window Air conditioner.
4	Study of household refrigerator.
5	Study of defrosting system.
6	Study/ trial of ice plant.
7	Study of various refrigeration and air-conditioning controls

xv. Innovation Cell



xvi. Social Media Cell

Vasundhara Bahuddeshiya Samajik Sanstha's

Siddhivinayak Technical Campus

Approved by AICTE, New Delhi, DTE Mumbai & Affilliated to SGBAU, Amravati,
Accredited by NAAC , Bangalore

Ref: STC/Media Cell/2023
Date: 23/04/2023

OFFICE ORDER

MEDIA CELL

Siddhivinayak Technical Campus Shegaon has established an official presence on Facebook, Instagram, LinkedIn and Newspapers. These social media accounts are all maintained by the Social Media Committee of the college.

Name	Designation	Position in media cell	Mobile number & e-Mail
Prof. Y.G. Katole	Assistant Professor	Coordinator	9175359548 yogeshkatole10@gmail.com
Prof. V.R. Borde	Assistant Professor (Civil Engineering)	Member	9370433965 vrborde@gmail.com
Prof. S. V. Rathod	Assistant Professor (Computer Science & Engineering)	Member	9588684959 shwetar696@gmail.com
Prof. S.W. Kadukar	Assistant Professor (Electronics & Telecommunication Engineering)	Member	9890209897 shraddha_kadukar@rediff.com
Prof. A. G. Mahale	Assistant Professor (Mechanical Engineering)	Member	9975959308 anantmahale95@gmail.com
Prof. B.B. Bhambere	Assistant Professor (Electrical Engineering (Electronics & Power))	Member	9112007558 bharatibhambere@gmail.com
Prof. S. P. Gotmare	Assistant Professor (Applied Science And Engineering)	Member	9637562132 swapnilgotmare975@gmail.com
Mr. Ramesh Chavare	Head Clerk, Office	Member	7875506769 rmchavare75@gmail.com

Siddhivinayak Technical Campus STC Shegaon

Dr. Anant G Kulkarni
Principal

Principal
Siddhivinayak Technical Campus
Shegaon 444203 (M. S.)

Copy to:

1. Honorable Chairman Sir for your kind information
2. The Dean and all committee members.
3. All HODs for information and circulation among faculty and students.
4. Office Superintendent for circulation among non-teaching staff.

ANANT GUNVANT KULKARNI

Digitally signed by ANANT GUNVANT KULKARNI
DN: c=IN, o=Personal, title=3026, pseudonym=133259312719564722 54B65CyW55Nm4Y, 2.5.4.20=45d940eaa9755d095fd9e46e053c982b2fa1b0f04d0a0a5a1c8f14ef25bcd5dc, postalCode=492007, st=Chhattisgarh, serialNumber=15189d78b01976a49bc4e0c0d30287fa9262118cf40fb32529464 2056a4941b7, cn=ANANT GUNVANT KULKARNI
Date: 2024.01.31 18:37:44 +05'30'

Campus : Shegaon - Khamgaon Road, Shirasgaon Nile, Shegaon Dist. Buldhana Maharashtra 444203
Post Box Address : Siddhivinayak Technical Campus, Post Box No. 09, Khamgaon 444303 (M.S.)
Ph. 07263-220333, Mob. 8080977719, 8080855580 Email : stc.shegaon@stc.org.in web: stc.org.in

xvii. Compliance of the Academic Bank of Credit (ABC), applicable to PGCM/ PGDM Institutions and University Departments

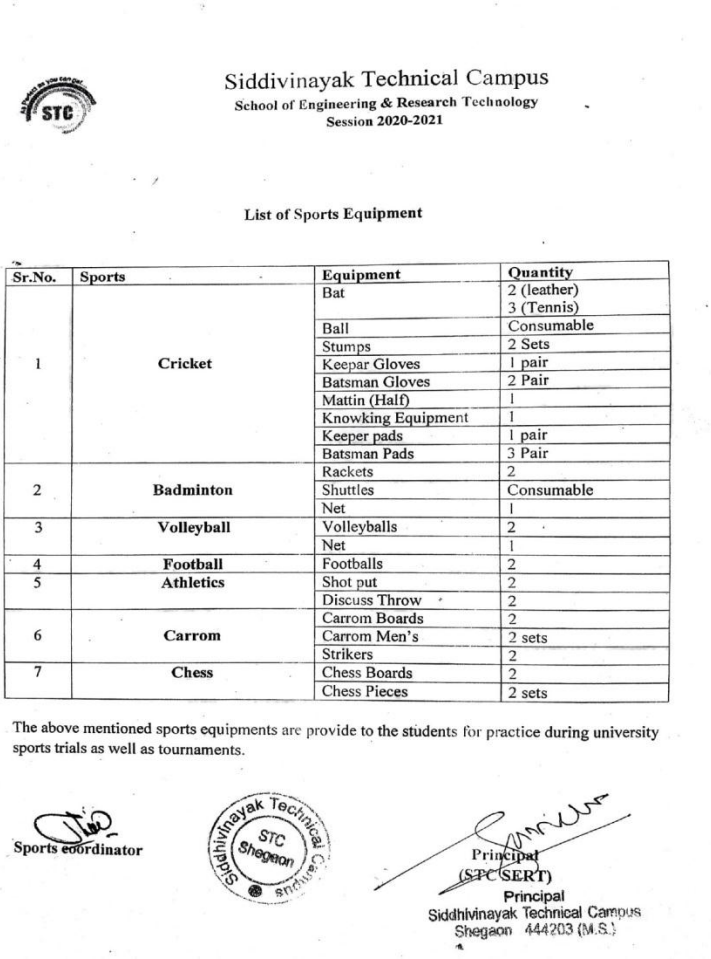
ABC Id Card First year 2023-24		
Sr. No	**Name Of Student**	**Abc Id Card No.**
1	SHEKH RIZVAN RAFUQUE	297,614,263,106
2	JAY VINOD WAGHODE	437,782,691,185
3	RUSHI NO	713,512,269,592
4	ROHAN KHANDERAO	558,433,906
5	ACHUT THAKRE	504,508,511,342
6	DIPAK SHINDE	710,012,788,771
7	RUSHI SU WANKHADE	444,966,302
8	SACHIN NARVADE	911,602,086,931
9	RUTUK SUNIL WANKHADE	444,966,302,049
10	OM KAILASH GHUTE	772,652,521,844
11	ADITYA DHOTRE	711,239,276,382
12	YASH RAMESH BAVNE	780,423,989,345
13	SHIVANI SUNIL ZAMBRE	973,011,268,992
14	PRANALI BHASAKR BHOSLE	466,184,277,338
15	SHIVANI DNYANESWAR BAVASKAR	435,509,957,412
16	TANVI GOPAL SATAO	999,379,185,028
17	DIPAK YANKAR	241,777,531,518
18	HITESH ZADOKAR	481,188,589,954
19	MANJIRI SANJAY CHAVHAN	960,297,779,862
20	VISHAL NINAJI MIRGE	669,104,752,755
21	MIRAJ ANSARI MOHAMMAD IQBAL	200,432,294,584
22	SYYED ANAS SAYYED FAYAZ	435,033,637,847
23	MOHAMMAD FURQAN ANSAR AHMED	776,248,999,497
24	ADITYA NIMAKARDE	784,951,428,840
25	AKASH SUMANTA BHGAT	980,820,346,895
26	MOHD JUNED SK ANSAR	261,499,481,481
27	OM SUNIL DHAMODE	549,315,631,263
28	ADITYA PUROSHOTAM DHOTRE	711,239,276,382
29	SANKET SHRIRUSHNA PHOPSE	995,146,697,702
30	VAISHANVI PUROSHOTTAM MASANE	618,951,200,464
31	ANKITA PRAKASH LONE	982,668,978,893
32	NAMRATA SANTOSH DOMODAR	166,539,918,876
33	DHANASHRI SARANGDHAR DAHIBHAT	228,583,304,722
34	HRUTUJA SHELKE	43,144,658,856
35	VAISHNAVI SANTOSH BIJAWE	209,304,948,706
36	HARSHADA D	524,199,403,758
37	RUTIK SUNIL WANKHADE	444,966,302,049

38	TUSHAR MANOHAR KALASKAR	323,577,885,845
39	KHUSHI SURYVANSHI	257,361,398,457
40	BILAL GHAZI SHAIKH ISMAIL	33,676,464,952
41	ABDUL GHAFFAR ABRAZ AHMAD RAJA	269,973,081,292
42	SHEKH DANISH SHEKH KAMARUDDIN	556,340,856,347
43	NAMRATA GAJANAN GIRHE	336,473,454,852
44	PRATIKSHA G GAIKWAD	500,165,672,910
45	MAYURI VIJAY KARALE	468,485,450,597
46	SAGAR ANNA TAYADE	760,101,061,011
47	ROSHAN YVRAJ VIDVANSH	218,608,812,136
48	SHWTA GAJANAN SHEGOKAR	30,031,169,525
49	ABHISHEK V KOKNE	142,501,078,242

xviii. To upload the respective short video (1-2 min) of Infrastructure and facilities available w.r.t the courses in the website.

https://youtu.be/KrN5u7aibTw

xix. Games and Sports Facilities



Siddivinayak Technical Campus
School of Engineering & Research Technology
Session 2020-2021

List of Sports Equipment

Sr.No.	Sports	Equipment	Quantity
1	Cricket	Bat	2 (leather) 3 (Tennis)
		Ball	Consumable
		Stumps	2 Sets
		Keepar Gloves	1 pair
		Batsman Gloves	2 Pair
		Mattin (Half)	1
		Knowking Equipment	1
		Keeper pads	1 pair
		Batsman Pads	3 Pair
2	Badminton	Rackets	2
		Shuttles	Consumable
		Net	1
3	Volleyball	Volleyballs	2
		Net	1
4	Football	Footballs	2
5	Athletics	Shot put	2
		Discuss Throw	2
6	Carrom	Carrom Boards	2
		Carrom Men's	2 sets
		Strikers	2
7	Chess	Chess Boards	2
		Chess Pieces	2 sets

The above mentioned sports equipments are provide to the students for practice during university sports trials as well as tournaments.

Sports coordinator

Siddhivinayak Technical Campus STC Shegaon

Principal (STC SERT)

Principal
Siddhivinayak Technical Campus
Shegaon 444203 (M.S.)

List of Games in which students can participate in later collegiate tournaments

Sr.No.	Games
1	Cricket
2	Badminton
3	Volleyball
4	Football
5	Chess
6	Kabaddi
7	Kho kho
8	Athletics

Sports coordinator

Siddhivinayak Technical Campus STC Shegaon

Principal
(STC SERT)

Principal
Siddhivinayak Technical Campus
Shegaon 444203 (M.S.)

Siddhivinayak Technical Campus SITC Shegaon

Principal
Siddhivinayak Technical Campus
Shegaon 444203 (M. S.)

SPORTS FACILITIES

Outdoor Games: Cricket, Football, Kho-Kho, Volleyball, Kabbadi.

Indoor games: Badminton, Chess, Carom, Hall for Yoga

Sr-No.	Activity	Area	Year of Establishment	User-Rate during A.Y.2023-24
1	CRICKET	Circular Area with 120m diameter with pitch 2.5m*22m in-center of it	2011-12	NIL
2	Badminton	7.1m*13m	2011-12	NIL
3	Kabbadi	8m*11m	2011-12	NIL
4	Volleyball	7.6m*15.02m	2011-12	NIL
5	Kho-Kho	14m*20m	2011-12	NIL

Siddivinayak Technical Campus

School of Engineering & Research Technology
Session 2020-2021

List of Sports Ground

Sr.No.	Sports	Dimensions
1	Cricket	Circular Area With 120m diameter with pitch 2.5m x 22m in Center of it.
2	Badminton	7.1m x 13m
3	Kabbadi	8m x11 m
4	Vollyball	7.6m x15.02m
5	Kho Kho	14m x 20m

The above mentioned sports grounds are available for students in the college for practice. Ground for mentioned sports are created in the main sports ground of college according to the university Guidelines regarding the dimensions for respective sports or games.

Sports coordinator

Siddhivinayak Technical Campus STC Shegaon

Principal
(STC SERT)

Principal
Siddhivinayak Technical Campus
Shegaon 444203 (M.S.)

ANANT GUNVANT KULKARNI

Digitally signed by ANANT GUNVANT KULKARNI
DN: c=IN, o=Personal, title=3026, pseudonym=133259312719564722 54B65CyW55Nm4Y, 2.5.4.20=45d940eaa9755d095fd9e46e053c982b2fa61999469406baf548f11a258d5dbe, postalCode=492007, st=Chhattisgarh, serialNumber=15189d78bb1976a49bc4e0c0d30257fa9261118cf40fb325294642056a4941b7, cn=ANANT GUNVANT KULKARNI
Date: 2024.01.31 19:56:29 +05'30'

xx. Teaching Learning Process

Name of the Innovative Teaching Learning Method	Name of the Activity
Experiential Learning	Workshops
	Virtual Lab
	Role play
	Video
	NPTEL
	Internships
	Open ended problems in laboratories
Participative learning	Demonstration
	Activity-based learning
	Think-Pair-Share
	Guest lecture
	GD/ debate
	Peer learning groups
	Google Classroom
	Project- based learning
	Mock test (GATE Mock)
	Viva
	Seminars
	Value added courses
	Innovative projects and competitions
	Industrial training
	Public Speaking
Problem-Solving Methodologies	Real-time case studies
	PPT
	Proto-type model
	Research projects
	Assignment for Numerical Subjects
	Poster presentation
Project based learning	Mini project
	Major project
Self-Learning	NPTEL/Course era
Multimedia Learning	Moodle
	Web based learning
Placement Based Learning	Mock interviews
	Aptitude & Reasoning Class

xxi. For each Post Graduate Courses give the following:

xxii. Title of the Course

xxiii. Laboratory facilities exclusive to the Post Graduate Course

18.16 Enrolment and placement details of students in the last 3years:

Academic Year	**2023-24**	**2022-23**	**2021-22**
Enrolled Student	**258**	**440**	**459**

Student Placement Details:

SN	**Name of the Course**	**Approved Intake**	**Number of Companies Visited at STC**	**Total Student Placed (IT+ non-IT)**	**Lowest Package (In Lakhs)**	**Highest Package (In Lakhs)**	**Total Student Placed in Off-campus**
Session 2020-2021							
1	CIVIL ENGINEERING	30	2	2	1.2LPA	1.2LPA	-
2	COMPUTER SCIENCE & ENGINEERING	30	2	7	3.36LPA	3.36LPA	-
3	ELECTRONICS & TELECOMMUNICATION ENGINEERING	30	4	6	3.36LPA	3.36LPA	-
4	MECHANICAL ENGINEERING	30	2	4	2.24 LPA	3 LPA	-
5	ELECTRICAL ENGINEERING (ELECTRONICS & POWER)	30	4	5	3 LPA	3.36LPA	-
Session 2021-2022							
1	CIVIL ENGINEERING	30	1	3	4LPA	4LPA	-
2	COMPUTER SCIENCE & ENGINEERING	30	1	10	3.5LPA	6LPA	3
3	ELECTRONICS & TELECOMMUNICATION ENGINEERING	30	1	6	4 LPA	4 LPA	-
4	MECHANICAL ENGINEERING	30	3	9	2.4LPA	10LPA	9
5	ELECTRICAL ENGINEERING (ELECTRONICS & POWER)	30	1	1	2.5LPA	2.5LPA	6

Session 2022-2023							
1	CIVIL ENGINEERING	30	2	16	3.11LPA	4LPA	10
2	COMPUTER SCIENCE & ENGINEERING	30	2	6	3.8LPA	4 LPA	6
3	ELECTRONICS & TELECOMMUNICATION ENGINEERING	30	1	5	4 LPA	4 LPA	-
4	MECHANICAL ENGINEERING	30	4	9	2.1LPA	4LPA	9
5	ELECTRICAL ENGINEERING (ELECTRONICS & POWER)	30	2	6	1.2LPA	4LPA	6

18.17 List of Research Projects/Consultancy Works:

18.18 MoUs with Industries: 05

NOTE: Suppression and/or misrepresentation of information shall invite appropriate penal action.

The Website shall be dynamically updated with regard to Mandatory Disclosures

Principal
Siddhivinayak Technical Campus
Shegaon 444203 (M. S.)