

SCMS SCHOOL OF ENGINEERING & TECHNOLOGY

MANDATORY DISCLOSURE

1. **Name of the Institution**

SCMS SCHOOL OF ENGINEERING & TECHNOLOGY
VIDYA NAGAR, KARUKUTTY, ERNAKULAM – 683 576, KERALA, INDIA
Phone : 0484 28829000 / 2450330 Fax : 0484 2450508
E.mail : sset@scmsgroup.org

2. **Name and address of the Trust/Society/Company and the Trustees**

PRATHAP FOUNDATION FOR EDUCATION AND TRAINING
MANAGEMENT HOUSE, SOUTH KALAMASSERY
ERNAKULAM – 682 033, KERALA, INDIA
Phone : 0484 2623803/04 Fax : 0484 2633855
E-mail : scms@scmsgroup.org

3. **Name and address of the Vice Chancellor/ Principal/ Director**

DR. PRAVEENSAL C. J.
SCMS SCHOOL OF ENGINEERING & TECHNOLOGY
VIDYA NAGAR, KARUKUTTY, ERNAKULAM – 683 576, KERALA, INDIA
Phone : 0484 2882901 Fax : 0484 2450508
E-mail : sset@scmsgroup.org / praveensal@scmsgroup.org

4. **Name of the affiliating University:**

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY,
THIRUVANANTHAPURAM, KERALA, INDIA

5. **GOVERNANCE**

Members of the Board and their brief background

BOARD OF DIRECTORS

Chairman

Dr. SUBRAMANIAN SWAMY

Formerly Union Minister for Commerce, Law & Justice & Professor,
Harvard University

Vice Chairman

Mr. P.C. CHACKO M.P.

Formerly Minister for Industries, Govt. of Kerala

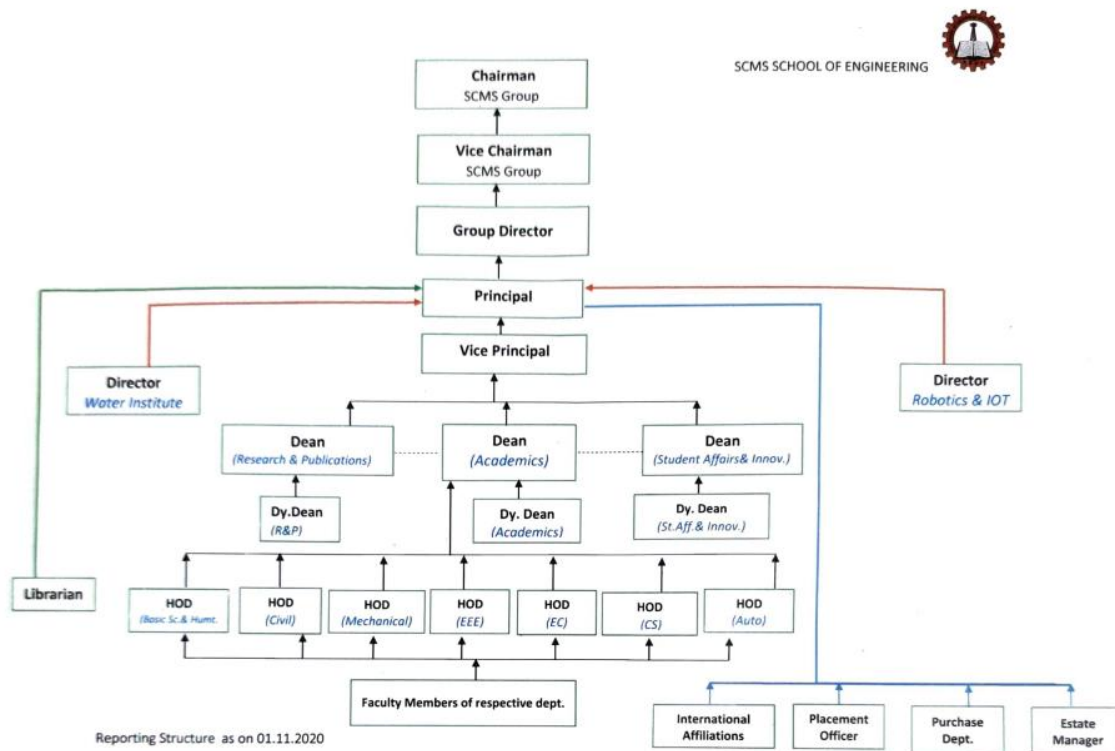
Secretary

DR. V. R. NAIR, Director, SCMS

MEMBERS

- Dr. G.P.C. NAYAR , Chairman, SCMS Group of Educational Institutions
- Mr. G. KRISHNAN I.A.S , Chief Secretary (Retd.), Govt. of Jharkhand, Ranchi
- Mr. K.S. NEELAKANDAN, Advisor P.R, Pfizer Ltd. Bombay
- Prof. Dr. C.V.N. REDDI , National Professor of Public Relations (UGC)

- Prof. N.C. George, Management Consultant, Cochin
- Mr. A.K. Nair, Former Managing Director, KSIDC & KCPL
- **Members of Academic Advisory Body**
 DR. PRAVEENSAL C. J. – PRINCIPAL, SSET
 DR. RAG R. L. – HOD, DEPT. OF MECHANICAL
 PROF. PRAMOD THEVANNOOR - DIRECTOR Academic Administration, SCMS GROUP
 DR. VARUN G. MENON., HOD, DEPT. OF COMPUTER SCIENCE &
 DEAN RESEARCH AND PUBLICATIONS
 DR. ANITHA G. PILLAI, HOD, DEPT. OF CIVIL & DEAN ACADEMICS
 MR. N. SREEKUMAR, Jnt. Mng. Director, V. GUARD INDUSTRIES
 MR. VIJAY MENON, Management Trainer & Consultant
- **Frequency of the Board Meeting and Academic Advisory Body**
 Governing Board meetings are held once in four months
 Academic Advisory Body meets once in three months.
- **Organizational chart and processes**



- **Nature and Extent of involvement of Faculty and students in academic affairs/ improvements**
 At SSET the management, faculty and students work as a team for elevating the institution to world class standards. Interaction with the industry is a round the year process. Apart from teaching the faculty members give individual attention to the overall improvement of the students through counsel group activities. They act as mentors to the student community. Faculty members are involved right from the admission of students to their placement and graduation. The students give critical feedback on the overall performance of the institution and also the faculty in particular. Their suggestions and

feedback are given due weightage while decisions are taken. They also act as ambassadors of the institution. Even after graduation they come back to the institution with suggestions for improvement, inputs regarding expectations from the industry etc.

- **Mechanism/ Norms and Procedure for democratic/ good Governance**

As a matter of policy the management provides the background of every decision taken for the information of the affected parties. Also policies on various aspects of running of the institution are spelt out through the Prospectus and Manual of Policies for the benefit of the students, parents and faculty.

- **Student Feedback on Institutional Governance/ Faculty performance**

Student feedback is obtained at the end of each semester. This feedback is shown to the faculty and steps are taken to correct deficiencies, if any. Feedback from the students also helps in identifying the training needs of faculty.

- **Grievance Redressed mechanism for Faculty, staff and students performance**

In the event of any grievance faculty and staff are free to approach the Principal and discuss their problems. In the case of students they may bring up their grievances to their faculty counsellor at the first instance. The faculty counselor, if necessary, takes up the issue with the Principal. If the issue has to be taken up with the Management the Principal takes the responsibility to do so.

- **Establishment of Anti Ragging Committee**

The institution has taken various precautions as per the AICTE Norms and University regulations to prevent ragging and ensure 100% no-ragging. An anti ragging committee functions in the college. In addition an anti ragging squad has been constituted by the Principal as a precautionary measure against this menace and the squad keeps strict vigil to prevent unseemly incidents of ragging in the college premises. The class timings and canteen timings are staggered for first and senior years so that the new students are free to move in the campus. Separate college buses are provided for first year students. Classes are organized on legal awareness on anti ragging every year. The newly enrolled students are made aware of the legal implications of ragging. Senior students do not indulge themselves in such practices as they are well aware of the consequences and punishments to follow. Anti ragging banners are displayed at prominent places. Anti-ragging directives of University and State Government and Court of Law are displayed in notice boards and included in college brochure. The phone numbers of members in the anti ragging committee are also displayed in the notice board. Affidavits by both student and parents are collected at the time of admission.

Antiragging Squad & Committee:

Chairman - Dr. Praveensal C J, Principal, SSET , Mob. No: 9446763487

Convenor - Dr. Mini Tom, Professor & Deputy Dean, Mobile - 9447710995

Members:

Dr. Sreelekha B, Associate Professor & Head, BS&H, 9846061909

Mr. Santhosh. G, Associate Professor, CE , (Members Coordinator) , 9446744642

Mr. Varun Jose, Assistant Professor EE

Ms. Sonal Ayyappan, Associate Professor, CS

Mr. Vinoj P.G., Assistant Professor, EC

Mr. Ajith Kumar R , Assistant Professor, ME

Mr. Sujay K , Assistant Professor , AU

Ragging is totally banned in the campus and anyone found guilty of ragging and/or abetting ragging is liable to be punished as it is a criminal offence.

- **Establishment of Online Grievance Redressal Mechanism**

Grievance Redressal Committee at SSET has been constituted as per the AICTE notification F. No. AICTE/PG/2012/20/SRO/06/1143, dated 25-07-2012, with the objective of resolving the grievances of students, parents and others. Its functional through our ERP system students/parents portal login.

The committee comprises of following members:

Chairman - Dr. Rag R. L. HOD, DEPT. OF MECHANICAL

Members:

Ms. Sanju Sreedharan, Associate Professor, CE

Ms. Divya Nath K., Assistant Professor, EE

Ms. Sreeja K. A., Assistant Professor, EC

Mr. Aravind P. V, Assistant Professor, AU

Mr. Francis Thomas , Assistant Professor, ME

Ms. Sindhya K. Nambiar, Assistant Professor, CS

Ms. Jesna K. Sebastain, Assistant Professor, BS&H

Ms. Susmi Jacob, Assistant Professor, CS

- **Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University**

- **Establishment of Internal Complaint Committee (ICC)**

As per the Sexual Harassment at Workplace (Prevention, Prohibition and Redressal) Act, 2013, an Internal Complaints Committee has been constituted to prevent any form of sexual harassment in the institution. Internal Complaints Committee will examine all matters related to women in the institution and will make suggestions and proposals regarding such matters. 'Sexual Harassment against women' in any form is an uncivilized act and hence it is strictly prohibited in this institution and any kind of such act will be viewed seriously by the Internal Complaints Committee constituted for the purpose.

The Internal Complaints committee comprises of following members:

Chairperson

Dr. Mini Tom, Professor & Deputy Dean

Mobile - 9447710995, Email Id - minitom@scmsgroup.org

Members:

Ms. Deepa K, Associate Professor, MCA

Mobile - 9446503448, Email Id - Deepak@scmsgroup.org

Ms. Jagadhamma M.P., Administrative Officer

Mobile - 9446836521, Email Id - jagadhamma@scmsgroup.org

Dr. P.V Metilda, Retd. Principal, Maharajas College

Mobile - 9388605198, Email Id - matildamary@yahoo .com

- **Establishment of Committee for SC/ ST**

SC/ST Monitoring Committee comprises of following members:

Chairman - Dr. Praveensal C J (Principal - SSET)
Secretary -Dr.Anitha G. Pillai (Dean, Academic Affairs)
Nominee - Mr. Shaju V Thekkekkara (President - Karukutty Grama Panchayat)
Faculty Members – Mr. Nikhil Asok,
Mr. Varun Jose
Lady Faculty Member – Mrs. Parvathy R
Administrative Officer - Mrs. Jagadhamma M.P
Student Members – Mr. Sharondas V – ME student
Ms. Shrevya Pradeep – CE student

- **Internal Quality Assurance Cell**

In conformation with the NAAC directives to maintain momentum of quality consciousness in Higher Education Institutions, SCMS School of Engineering & Technology has constituted an Internal Quality Assurance Cell (IQAC). The IQAC channelizes and systematizes the efforts and measures of the Institution towards academic excellence with the following objectives
To develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance.

To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Chairman: Dr. Praveensal C J, Principal, SSET

Senior Administrative Officers:

Prof. Pramod P. Thevannoor, Vice Chairman, SCMS Group

Dr. Radha P. Thevannoor, Group Director, SCMS

Dr. Indu Nair, Group Director, SCMS

Prof. S. Gopakumar , Group Director, SCMS

Dr. Sunny George, Director, SCMS Water Institute

Coordinator IQAC: Dr. Anitha G. Pillai, Prof. & Head, Dept. of Civil Engg.

Faculty:

Dr. Sunil Jacob, Director , Centre for Robotics

Dr. Rag R. L. , Prof & Head , Dept. of ME

Dr. Varun G. Menon, Prof & Head, Dept. of CSE

Dr. Sreelekha B Prof & Head, Dept. of BS & H

Dr. Manoj Kumar B., Head , Dept. of AU

Dr. Jayanand B Prof & Head , Dept. of EEE

Dr. Ratish Menon, Assoc. Prof. Dept. of CE

Nominees from Industrialists/stakeholders:

Mr. Sonu Jose, Lead Talent Acquisition, Infosys Ltd.

Dr. P. S. Harikumar, Director, Water Quality Division,
Centre for Water Resources Development & Management (Govt. of Kerala),
Kunnamangalam, Kozhikode, Kerala.

Nominee from Alumni:

Sreedevi B. G.,

Assistant Professor, Department of Civil Engineering, Govt. Engineering College, Thrissur.

The functions of the IQAC wing of SCMS School of Engineering & Technology are:

- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes
- Dissemination of information on various quality parameters of higher education
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles
- Documentation of the various programmes/activities leading to quality improvement
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices
- Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality
- Development of Quality Culture in the institution
- Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC

6. Programmes

- Name of the Programmes approved by AICTE
 B.Tech Automobile Engineering
 B.Tech Civil Engineering
 B.Tech Computer Science and Engineering
 B.Tech Electronics and Communication Engineering
 B.Tech Electrical and Electronics Engineering
 B.Tech Mechanical Engineering
 B. Tech Civil and Environmental Engineering
 B. Tech Computer Science and Engineering (Data Science)
 Master of Computer Application
 M.Tech Computer Aided Structural Engineering
 M.Tech Environmental Engineering
 M.Tech Computer Science and Information Systems
 M.Tech VLSI and Embedded Systems
 M.Tech Communication Engineering
 M.Tech Production and Industrial Engineering
- Name of the Programmes Accredited by AICTE
 All Branches
- Status of Accreditation of the Courses –

NBA Accreditation Status		
1	Name/ List of Programmes/ Courses Accredited	B.Tech Civil Engineering B.Tech Computer Science and Engineering

		B.Tech Mechanical Engineering
2	Applied for Accreditation	
	A. Applied but Visit not happened	NA
	B. Visit happened but result awaited	
3	List of programmes/ courses Not Applied	B.Tech Automobile Engineering B.Tech Electronics and Communication Engineering B.Tech Electrical and Electronics Engineering M.Tech Computer Aided Structural Engineering M.Tech Environmental Engineering M.Tech Computer Science and Information Systems M.Tech VLSI and Embedded Systems M.Tech Communication Engineering M.Tech Production and Industrial Engineering

NAAC Accreditation Status		
1	Accredited	B+
2	Applied for Accreditation	2nd Cycle in process
	A. Applied but Visit not happened	
	B. Visit happened but result awaited	
3	Not Applied	

Status of Accreditation – <https://www.scmsgroup.org/sset/accreditation>

- For each programme the following details are to be given:
 - Name : B.Tech Automobile Engineering
 - Number of seats : 60
 - Duration : 4 Years
 - Cut off marks/ rank of admission during the last three years

Branch	Rank Highest	2021-	2020	2019-
AUE		23528	317	275

	Lowest	43297	505	449
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- Fee : Rs. 50,000 p.a. (govt. allotment)
Rs. 60,000 p.a (management seats)
https://scmsgroup.org/sset/downloads/scholarship_SSET_fee.pdf
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

AU	2021-22	2020-21	2019-20
Minimum salary	3,36 lakhs p.a.	1.43 lakhs p.a.	3.37 lakhs p.a.
Maximum salary	3,36 lakhs p.a.	1.43 lakhs p.a.	3.6 lakhs p.a.
Average salary	3,36 lakhs p.a.	1.43 lakhs p.a.	3.50 lakhs p.a.

- Name : B.Tech Civil Engineering
- Number of seats : 120
- Duration : 4 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-	2020-	2019-
CE	Highest	22004	9306	11836
	Lowest	46713	52752	44452

- Fee : Rs. 50,000 p.a. (govt. allotment)
Rs. 75,000 p.a. (management seats)
https://scmsgroup.org/sset/downloads/scholarship_SSET_fee.pdf
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

CE	2021-22	2020-21	2019-20
Minimum salary	3.36 lakhs p.a.	1.43 lakhs p.a.	2.5 lakhs p.a.
Maximum salary	10 lakhs p. a.	3.6 lakhs p.a.	3.6 lakhs p.a.

Average salary	6.68 lakhs p.a.	2.51 lakhs p.a.	3.05lakhs p.a.
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- Name : B.Tech Computer Science and Engineering
- Number of seats : 120
- Duration : 4 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-20
CSE	Highest	3316	9343	3624
	Lowest	47059	52215	44315

- Fee : Rs. 75,000 p.a. (govt. allotment)
Rs. 1,29,000 p.a. (management seats)
https://scmsgroup.org/sset/downloads/scholarship_SSET_fee.pdf
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

CS	2021-22	2020-21	2019-20
Minimum	3 lakhs p.a.	1.43lakhs p.a.	2 lakhs p.a.
Maximum	7 lakhs p.a.	11.5 lakhs p.a.	10 lakhs p.a.
Average salary	4.18 lakhs p.a.	3.96 lakhs p.a.	3.75lakhs p.a.

- Name : B.Tech Electronics and Communication Engineering
- Number of seats : 60
- Duration : 4 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-20
ECE	Highest	6680	2628	14589
	Lowest	45063	52211	43994

- Fee : Rs. 75,000 p.a. (govt. allotment)
Rs. 60,000 p.a. (management seats)
https://scmsgroup.org/sset/downloads/scholarship_SSET_fee.pdf
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives

- Campus placement in last three years with minimum salary, maximum salary and average salary

ECE	2021-22	2020-21	2019-20
Minimum salary	3 lakhs p.a.	1.43 lakhs p.a.	2 lakhs p.a.
Maximum salary	4 lakhs p.a.	3.6 lakhs p.a.	4.02 lakhs p.a.
Average salary	3.46 lakhs p.a.	2.68 lakhs p.a.	3.08 lakhs p.a.

- Name : B.Tech Electrical and Electronics Engineering
- Number of seats : 30
- Duration : 4 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-20
EEE	Highest	14265	12650	14265
	Lowest	45079	49368	45079

- Fee : Rs. 50,000 p.a. (govt. allotment)
Rs. 60,000 p.a. (management seats)
https://scmsgroup.org/sset/downloads/scholarship_SSET_fee.pdf
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

EEE	2021-22	2020-21	2019-20
Minimum salary	3.36 lakhs p.a	1.43lakhs p.a.	2.5 lakhs p.a.
Maximum salary	3.5 lakhs p.a.	3.6 lakhs p.a.	3.6 lakhs p.a.
Average salary	3.43 lakhs p.a.	2.39lakhs p.a.	3.20lakhs p.a.

- Name : B.Tech Mechanical Engineering
- Number of seats : 120
- Duration : 4 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-20
ME	Highest	11851	9968	8046
	Lowest	47437	52925	43930

- Fee : Rs. 75000 p.a. (govt. allotment)
Rs. 75,000 p.a. (management seats)
https://scmsgroup.org/sset/downloads/scholarship_SSET_fee.pdf

- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

ME	2021-22	2020-21	2019-20
Minimum salary	3.36 lakhs	1.43 lakhs p.a.	2.5lakhs p.a.
Maximum salary	3.36 lakhs	10 lakhs p.a.	4.02 lakhs p.a.
Average salary	3.36 lakhs	4.16 lakhs p.a.	3.37lakhs p.a.

- Name : B.Tech Civil and Environmental Engineering
- Number of seats : 30
- Duration : 4 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-20
CV	Highest	24459	NA	NA
	Lowest	24685	NA	NA

- Fee : Rs. 50,000 p.a. (govt. allotment)
Rs. 75,000 p.a. (management seats)
https://scmsgroup.org/sset/downloads/scholarship_SSET_fee.pdf
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

CV	2021-22	2020-21	2019-20
Minimum salary	NA	NA	NA
Maximum salary	NA	NA	NA
Average salary	NA	NA	NA

- Name : B.Tech Computer Science and Engineering(Data Science)
- Number of seats : 60
- Duration : 4 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-
CO	Highest	8666	NA	NA

	Lowest	46993	NA	NA
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- Fee : Rs. 75000 p.a. (govt. allotment)
Rs. 1,29,000 p.a. (management seats)
https://scmsgroup.org/sset/downloads/scholarship_SSET_fee.pdf
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

CO	2021-22	2020-21	2019-20
Minimum salary	NA	NA	NA
Maximum salary	NA	NA	NA
Average salary	NA	NA	NA

- Name : Master of Computer Application
- Number of seats : 30
- Duration : 2 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-20
MCA	Highest	114	651	114
	Lowest	1989	2340	1989

- Fee : Rs. 50,000 p.a. (govt. allotment)
Rs. 50,000 p.a. (management seats)
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

MCA	2021-22	2020-21	2019-20
Minimum salary	3 lakhs p.a.	N.A	N.A.
Maximum salary	4 lakhs p.a.	N.A	N.A.
Average salary	3.45 lakhs p.a.	N.A	N.A.

- Name : M.Tech Computer Aided Structural Engineering
- Number of seats : 18
- Duration : 2 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-20
CASE	Highest	903	704	190346
	Lowest	2664	19946	194015

- Fee : Rs. 30,000 p.a. (govt. allotment)
Rs. 30,000 p.a. (management seats)
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

CASE	2021-22	2020-21	2019-20
Minimum salary	N.A.	N.A.	3.6 lakhs p.a.
Maximum salary	N.A.	N.A.	3.6Lakhs p.a.
Average salary	N.A.	N.A.	3.6lakhs p.a.

- Name : M.Tech Environmental Engineering
- Number of seats : 24
- Duration : 2 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-20
EE	Highest	991	793	190071
	Lowest	2559	4238	192132

- Fee : Rs. 55,000 per semester (govt. allotment)
Rs. 55,000 per semester (management seats)
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

EE	2021-22	2020-21	2019-20
Minimum salary	.N.A	.N.A	N.A
Maximum salary	N.A	N.A	N.A
Average salary	N.A	N.A	N.A

- Name : M.Tech Computer Science and Information Systems
- Number of seats : 18

- Duration : 2 Years
- Cut off marks/ rank of admission during the last three years

Branch	2021-22	2020-21	2019-20
CSIS			

- Fee : Rs. 30,000 p.a. (govt. allotment)
Rs. 30,000 p.a. (management seats)
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

CSIS	2021-22	2020-21	2019-20
Minimum salary	N.A.	N.A.	3.6Lakhs
Maximum salary	N.A..	N.A..	3.6 Lakhs
Average salary	N.A.	N.A.	3.6 Lakhs

- Name : M.Tech VLSI and Embedded Systems
- Number of seats : 18
- Duration : 2 Years
- Cut off marks/ rank of admission during the last three years

Branch	Rank	2021-22	2020-21	2019-20
VLSI	Highest	NA	1846	NA
	Lowest	NA	3883	NA

- Fee : Rs. 30,000 p.a. (govt. allotment)
Rs. 30,000 p.a. (management seats)
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

VLSI	2021-22	2020-21	2019-20
Minimum salary	NA	N.A.	3.6 lakhs p.a.
Maximum salary	NA	N.A.	3.6 lakhs p.a.
Average salary	NA	N.A.	3.6 lakhs p.a.

- Name : M.Tech Communication Engineering
- Number of seats : 9

- Duration : 2 Years
- Cut off marks/ rank of admission during the last three years

Branch	2021-22	2020-21	2019-20
COMMUNICATION			

- Fee : Rs. 30,000 p.a. (govt. allotment)
Rs. 30,000 p.a. (management seats)
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

COMMUN	2021-22	2020-21	2019-20
Minimum salary	NA	NA	3.6 lakhs
Maximum salary	NA	NA	3.6 lakhs
Average salary	NA	NA	3.6 lakhs

- Name : M.Tech Production and Industrial Engineering
- Number of seats : 18
- Duration : 2 Years
- Cut off marks/ rank of admission during the last three years

Branch	2021-22	2020-21	2019-20
PIE			

- Fee : Rs. 30,000 p.a. (govt. allotment)
Rs. 30,000 p.a. (management seats)
- Placement Facilities : There is a Placement and Training Cell which looks after the placement and training activities. It is headed by Senior Professor and is assisted by Secretary, Faculty and Student Representatives
- Campus placement in last three years with minimum salary, maximum salary and average salary

PIE	2021-22	2020-21	2019-20
Minimum salary	N.A.	N.A.	N.A.
Maximum salary	N.A.	N.A.	N.A.
Average salary	N.A.	N.A.	N.A.

- 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.

Details of Academic MOU's with International Institutions.

- Name of the University: **Universidad del Rosario**
- Address : Cl. 12c #Nº 6-25, Bogotá, Colombia
- Website : <https://www.urosario.edu.co/>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **Hungkuang University**
- Address : No. 1018, Section 6, Taiwan Boulevard, Shalu District, Taichung City, Taiwan 433
- Website : www.hk.edu.tw
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **Shimane University**
- Address : 1060 Nishikawatsucho, Matsue, Shimane 690-0823, Japan
- Website : <https://www.shimane-u.ac.jp/en/>
- Accreditation status of the University in its Home Country : NIAD-QE (201603)
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **Japan University of Economics**

- Address : Japan, 〒818-0197 Fukuoka, 太宰府市Gojo, 3 Chome- 1 1 -25
- Website : <https://www.jue.ac.jp/en/>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **Technical University - Varna**
- Address: ul. "Studentska" 1, 9010 Levski, Varna, Bulgaria
- Website : <http://fs.tu-varna.bg/>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **EARTH University**
- Address : Limón, San José, Mercedes, Costa Rica
- Website : <https://www.earth.ac.cr/en/>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **University of Derby**
- Address : Kedleston Rd, Derby DE22 1GB, United Kingdom
- Website : www.derby.ac.uk
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country

- Nature of collaboration:
 - Conditions of Collaboration:
 - Complete details of payment a student has to make to get the full benefit of Collaboration:
-
- Name of the University : **Lincoln University College**
 - Address : Jalan Kota Bharu - Pengkalan Kubor, 15050 Kota Bharu, Kelantan, Malaysia
 - Website : <https://www.lincoln.edu.my/>
 - Accreditation status of the University in its Home Country :
 - Ranking of the University in the Home Country
 - 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 within and outside the country
 - Nature of collaboration:
 - Conditions of Collaboration:
 - Complete details of payment a student has to make to get the full benefit of Collaboration:
-
- Name of the University : **FPT University**
 - Address : Khu GD&ĐT, Khu CNC, KM29, ĐCT08, Hòa Lạc, Thạch Thất, Hà Nội 155300, Vietnam
 - Website : <http://international.fpt.edu.vn/>
 - Accreditation status of the University in its Home Country :
 - Ranking of the University in the Home Country
 - 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 within and outside the country
 - Nature of collaboration:
 - Conditions of Collaboration:
 - Complete details of payment a student has to make to get the full benefit of Collaboration:
-
- Name of the University : **Ho Chi Minh City University of Economics and Finance**
 - Address : 276 Điện Biên Phủ, Phường 17, Bình Thạnh, Hồ Chí Minh, Vietnam
 - Website : <https://www.uef.edu.vn/en>
 - Accreditation status of the University in its Home Country :
 - Ranking of the University in the Home Country
 - 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 within and outside the country

- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **Daffodils International University**
- Address : 4/2, Daffodil Tower, Sobhanbag, Mirpur Rd, Dhaka 1207, Bangladesh
- Website : <http://daffodilvarsity.edu.bd/>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **Vrije Universiteit Brussel**
- Address : Boulevard de la Plaine 2, 1050 Ixelles, Belgium
- Website : <https://www.vub.be/en/home>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **Wilmington University**
- Address : 320 N Dupont Hwy, New Castle, DE 19720, United States
- Website : <https://www.wilmu.edu/>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **Furtwangen University**
- Address : Robert-Gerwig-Platz 1, 78120 Furtwangen im Schwarzwald, Germany
- Website : <https://www.hs-furtwangen.de/en/>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **University of Applied Sciences Ravensburg-Weingarten**
- Address : Doggenriedstraße, 88250 Weingarten, Germany
- Website : <https://www.hs-weingarten.de/en/>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- Name of the University : **University of Applied Sciences Northwestern**
- Address : Bahnhofstrasse 6, 5210 Windisch, Switzerland
- Website : <https://www.fhnw.ch/en/startseite>
- Accreditation status of the University in its Home Country :
- Ranking of the University in the Home Country
- 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 within and outside the country
- Nature of collaboration:
- Conditions of Collaboration:
- Complete details of payment a student has to make to get the full benefit of Collaboration:

- For each Programme collaborated provide the following: **NOT APPLICABLE**
 - Programme Focus
 - Number of seats
 - Admission Procedure
 - Fee

- Placement Facility
- Placement Records for last three years with minimum salary, maximum salary and average salary
- Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/Foreign University has applied to AICTE for approval: **NO, NO**

7. Faculty

<https://www.scmsgroup.org/sset/automobile-engineering>
<https://www.scmsgroup.org/sset/civil-engineering>
<https://www.scmsgroup.org/sset/computer-science-engineering>
<https://www.scmsgroup.org/sset/electrical-electronics-engineering>
<https://www.scmsgroup.org/sset/electronics-communication-engineering>
<https://www.scmsgroup.org/sset/mechanical-engineering>
<https://www.scmsgroup.org/sset/general-science-humanities>

- Branch wise list Faculty members
- - Permanent Faculty : 131
 - Adjunct Faculty : 0
 - Permanent Faculty : Student Ratio : **1:9**
- Number of Faculty employed and left during the last three years :
Employed : 36 , Left : 46

8. Profile of Vice Chancellor/ Director/ Principal/ Faculty

For each faculty give a page covering with Passport size photograph

- Name
- Date of Birth
- Unique id
- Education Qualifications
- Work Experience
 - Teaching
 - Research
 - Industry
 - Others
- Area of Specialization
- Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level
- Research guidance
 - No. of papers published in National/ International Journals/ Conferences
 - Master
 - Ph.D.
- Projects Carried out
- Patents
- Technology Transfer
- Research Publications
- No. of Books published with details

9. **Fee:** https://scmsgroup.org/sset/downloads/scholarship_SSET_fee.pdf
 Details of fee, as approved by State Fee Committee, for the Institution
- Time schedule for payment of fee for the entire programme
 - No. of Fee waivers granted with amount and name of students
 - Number of scholarship offered by the Institution, duration and amount
 - Criteria for fee waivers/scholarship
 - Estimated cost of Boarding and Lodging in Hostels
10. **Admission:** https://www.scmsgroup.org/sset/web/recognition_affiliation
 Number of seats sanctioned with the year of approval
- Number of Students admitted under various categories each year in the last three years
 - Number of applications received during last two years for admission under Management Quota and number admitted

B. TECH

Number of Students admitted under various categories during the year 2019

Branch	Approved intake	ADMITTED INTAKE			Total Admitted intake
		Merit	Management	NRI	
EC	90+5(TFW)	19	9	2	30
CS	120+6(TFW)	57	49	9	115
ME	120+6(TFW)	38	7	6	51
CE	120+6(TFW)	33	6	0	39
EE	60+3(TFW)	4	5	0	9
AU	60+3 (TFW)	14	7	1	22
TOTAL		165	83	18	266

Number of Students admitted under various categories during the year 2020

Branch	Approved intake	ADMITTED INTAKE			Total Admitted intake
		Merit	Management	CWGC	
EC	60+3(TFW)	9	30	1	40
CS	120+6(TFW)	60	59	9	128

Branch	Approved intake		ADMITTED INTAKE			CWGC	Total Admitted intake
			Merit	Management	NRI		
AU	60+3 (Mandatory Res.)		6	2	2	0	10
CE	90+ 5(TFW) + 5 (Mandatory Res.)		7	12	1	0	20
CE-CV	30+2 (Mandatory Res.)		2	0	0	0	2
CS	120+6 (TFW) + 6 (Mandatory Res.)		65	52	8	9	134
CS-CO	60+ 3 (Mandatory Res.)		28	25	3	0	56
EC	60+3(TFW) +3 (Mandatory Res.)		11	28	1	0	40
EE	30+ 2 (Mandatory Res.)		5	6	0	0	11
ME	120+ 6(TFW) + 6 (Mandatory Res.)		16	27	6	0	49
TOTAL			140	152	21	9	322
ME	120+6(TFW)	9	55		1	65	
CE	120+6(TFW)	19	40		1	60	
E	30+1(TFW)	2	6		0	8	
AU	60+3 (TFW)	6	9		2	17	
TOTAL		105	199		14	318	

Number of students admitted under various categories during the year 2021

M.TECH

Number of Students admitted under various categories during the year 2019-20

S.L NO	Branch	Sanctioned intake	Total Admitted Intake		Total No. Admitted
			Merit	Management	
1	CE-CASE	18	6	9	15
2	CE-ENVIRONMENTAL	24	1	7	8
3	EC-VLSI&EMBEDDED SYSTEM	18	0	0	0
4	EC-COMMUNICATION	9	0	0	0
5	ME-PRODUCTION & INDUSTRIAL	18	0	0	0
6	CS-COMPUTER SCIENCE WITH INFORMATION SYSTEM	18	0	0	0
	TOTAL	105	7	16	23

Number of Students admitted under various categories during the year 2020-21

S.L NO	Branch	Sanctioned intake	Total Admitted Intake		Total No. Admitted
			Merit	Management	
1	CE-CASE	18	9	9	18
2	CE-ENVIRONMENTAL	24	12	12	24
3	EC-VLSI & EMBEDDED SYSTEM	18	1	2	3
4	CS-COMPUTER SCIENCE WITH INFORMATION SYSTEM	18	0	1	1

	TOTAL	78	22	24	46
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Number of students admitted under various categories during the year 2021-22

S.L NO	Branch	Sanctioned intake	Total Admitted Intake		Total No. Admitted
			Merit	Management	
1	CE-CASE	18	8	7	15
2	CE-ENVIRONMENTAL	24	6	8	14
	TOTAL	42	14	15	29

MCA

Number of Students admitted under various categories during the year 2019-20

Merit	Lapsed Seat	Management	NRI	Total
3	0	1	0	4

Number of Students admitted under various categories during the year 2020-21

Merit	Lapsed Seat	Management	NRI	Total
4	11	14	0	29

Number of students admitted under various categories during the year 2021-22

Merit	Management	Lapsed Seat	NRI	Total
8	10	0	0	18

LATERAL ENTRY

Number of Students admitted under various categories during the year 2020 (Lateral entry)

Branch	Approved intake	ADMITTED INTAKE			Total Admitted intake
		Merit	Management	CWGC	

EC	9	-	-	-	0
CS	12	1	-	-	1
ME	12	5	-	-	5
CE	12	1	-	-	1
EE	6	2	-	-	2
AU	6	3	1	-	4
TOTAL	57	12	1	0	13

Number of students admitted under various categories during the year 2021(Lateral entry)

Branch	Admitted intake			Total admitted intake
	Merit	Management	CWGC	
EC	1			1
CS	1			1
ME	4	6		10
CE	12	4		16
EEE	1			1
AU	1	1		2
Total	20	11		31

11. Admission Procedure

- Mention the admission test followed, name and address of the Test Agency and its URL <https://cee.kerala.gov.in/keam2021/> , <https://scmsgroup.org/sset/admission>
- Number of seats allotted to different Test Qualified candidate separately (AIEEE/CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test)
Calendar for admission against Management/vacant seats:
 - Last date for request for applications
 - Last date of submission for applications
 - Dates for announcing final results
 - Release of admission list (main list and waiting list shall be announced on the same day)
 - Date for acceptance by the candidate (time given shall in no case be less than 15 days)

- Last date for closing of admission
- Starting of the Academic session
- The waiting list shall be activated only on the expiry of date of main list
- The policy of refund of the fee, in case of withdrawal, shall be clearly notified

12. Criteria and Weightages for Admission

- Describe each criteria with its respective weightage ie, Admission Test, marks in qualifying examination etc.
- Mention the minimum level of acceptance, if any
- Mention the cut-off levels of percentage and percentile score of the candidates in the admission test for the last three years
- Display marks scored in Test etc. and in aggregate for all candidates who are admitted

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

14. Results of Admission Under Management seats/Vacant seats

- Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)
- Score of the individual candidate admitted arranged in order or merit
- List of candidate who have been offered admission
- Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate
- List of the candidate who joined within the date, vacancy position in each category before operation of waiting list

15. Information of Infrastructure and Other Resources Available

- Number of Class Rooms and size of each: 40
- Number of Tutorial rooms and size of each: 12
- Number of Laboratories and size of each: 58
- Number of Drawing Halls with capacity of each: 1
- Number of Computer Centres with capacity of each: 8
LAB I : 36, LAB II : 40, LAB III : 60, LAB IV : 149, LAB V : 73,
CCF: 132, LAB VI : 24, LAB VII : 24
- Central Examination Facility, Number of rooms and capacity of each:
- Classroom's, Tutorial's, Drawing Hall are used as examination halls.
- Barrier Free Built Environment for disabled and elderly persons:
Personal attention is given to such students by the faculty to help them through their academics as well as personal needs, but the number of students falling under this category is almost nil. For physically disabled (temporary) students

classes are held on the ground floor as far as possible or classes are shifted to the block where elevator is available.

- Occupancy Certificate :
- Fire and Safety Certificate :
- Hostel Facilities :
 Boy's Hostel – 2 no.s, Girl's Hostel: 1 no.
 Common Room with cable TV and magazines/newspapers, Computer Centre with Internet Facility, Indoor games like table tennis, caroms and chess, 2 badminton courts, Geyser for hot water supply.
- **Library**
 - Number of Library books/Titles/Journals available (program-wise) :9569
 - B.Tech : 7563 M.Tech : 976 MCA: 1030
 - List of online National/International Journals subscribed: 256
 - E-Library facilities: Digital library, Library on internet, Library Software

DR. PRADEEP P THEVANNOOR LEARNING RESOURCE CENTRE

DETAILS AS ON 14.02.2022			
Area:	Total area of the Library 2309.20 M²		
Working:	8 AM to 8 PM (on all working days), 8.45 AM to 4 PM on Saturdays and vacation period		
PROGRAM CATEGORY	MATERIAL TYPE	No. OF TITLES	No. OF VOLUMES
ENGINEERING AND	ejOURNAL (INTERNATIONAL)	256	
MCA	JOURNAL (NATIONAL)	12	
MCA	BOOKS	1030	7000
ENGINEERING AND	JOURNAL-PRINT	-	
ENGINEERING AND	JOURNAL-PRINT (NATIONAL)	124	
ENGINEERING AND	BOOKS	9569	37840
Detailis of online Journal Databases and other resources:			
PUBLISHER NAME	SUBSCRIPTION FROM	SUBSCRIPTION	DESCRIPT
ASME	01.01.2021	31.12.2021	31
ASCE	01.01.2021	31.12.2021	35
IEEE (ASPP)	01.02.2021	31.01.2022	190 IEEE
JGATE	09.11.2021	08.11.2022	> 15000 e
DELNET	26.07.2021	25.07.2022	
EBSCO e Books - Engineering	01.02.2021	31.01.2022	>6000 e

- **Laboratory and Workshop**
 - List of Major Equipment/Facilities in each Laboratory/ Workshop
 - List of Experimental Setup in each Laboratory/ Workshop

DEPARTMENT OF CIVIL ENGINEERING

STRENGTH OF MATERIALS LAB AND MATERIAL TESTING LAB

SL NO	NAME OF INSTRUMENT/ EQUIPMENT	QUANTITY
1	COMPRESSION TESTING MACHINE- 100 KN CAPACITY	1
2	ROCKWELL AND BRINELL HARDNESS TESTING MACHINE- RAB 250	1
3	UNIVERSAL TESTING MACHINE- 400KN CAPACITY	1
4	UNIVERSAL TESTING MACHINE- 1000KN CAPACITY	1
5	IMPACT TESTING MACHINE MODEL IT-30	1
6	TORSION TESTING MACHINE MODEL TT 6	1
7	SPRING TESTING MACHINE	1
8	VICKERS HARDNESS TESTER	1
9	TILE ABRASION TESTING MACHINE	1
10	VICAT APPARATUS WITH DASH POT	2
11	CYLINDRICAL METAL MEASURE- 3L	1
12	CYLINDRICAL METAL MEASURE-15L	1
13	VIBRATION MACHINE WITH DIGITAL TIMER	1
14	LE-CHATELIER FLASK	1
15	LE-CHATELIER MOULD-SET	1
16	COMPACTION FACTOR APPARATUS	1
17	SLUMP TEST APPARATUS	1
18	DENSITY BASKET	1
19	SIEVE SHAKER	1
20	THICKNESS MEASURING DEVICE	1
21	MOULDS	
a	70.6MM CUBE	10
b	150MM CUBE	22
c	100X100X500MM BEAM	8
d	150MM DIA X 300MM HIGH CYLINDER	14
22	PLATFORM BALANCE-500KG	1
23	COMMON BALANCE-20KG	1
24	COMMON BALANCE-20KG-SUSPENDING TYPE	1
25	COMMON BALANCE-5KG	1
26	COMMON BALANCE-10KG	1
27	PYCNOMETER	3
28	CRUSHING VALUE APPARATUS	1
29	TILE FLEXURE STRENGTH TESTING MACHINE	1
30	I.S SIEVES	17
31	FLEXURE TESTING MACHINE	1
32	LATERAL EXTENSOMETER	1

33	LONGITUDINAL COMPRESSOMETER	1
33	DEFLECTION TESTING APPARATUS	1
34	TORSION PENDULUM	1
35	CONCRETE MIXER	1
36	STRUT APPARATUS WITH DIGITAL GAUGE AND MAGNETIC BASE	1
37	DEFLECTION OF BEAM APPARATUS	1
38	STOP WATCH	3
39	UPS	1
40	4" BENCHWISE APEX	1

ENVIRONMENTAL ENGINEERING LAB

SL NO	NAME OF INSTRUMENT/ EQUIPMENT	QUANTITY
1	MUFFLE FURNACE	1
2	HOT AIR OVEN	1
3	B.O.D. INCUBATOR	1
4	SYSTRONICS DIGITAL SPECTROPHOTOMETER	1
5	SYSTRONICS DIGITAL NEPHELO TURBUDITYMETER	1
6	SYSTRONICS DIGITAL CONDUCTIVITY METER	1
7	SYSTRONICS ELECTRONIC BALANCE	1
8	300MM LEIBIG CONDENSOR	3
9	DIGITAL pH METER	1
10	AUTOCLAVE	1
11	JAR TEST APPARATUS	1
12	MAGNETIC STIRRER	1
13	WATER STILL MODEL AND HEATING COIL	1
14	FILTERING APPARATUS	1
15	HEATING MANTLE	2
16	REFRIGERATOR	1
17	HOT PLATE	1
18	MODELS	
a	TRICKLING FILTER	1
b	IMHOFF TANK	1
c	SLOW SAND FILTER	1
d	SEDIMENTATION TANK	1
e	FLOCCULATOR	1
f	SEPTIC TANK	1
g	RAPID SAND FILTER	1

GEOTECHNICAL ENGINEERING LAB

SL NO	NAME OF INSTRUMENT/ EQUIPMENT	QUANTITY
1	SAND POURING CYLINDER APPARATUS	1
2	CORE CUTTER	1
3	LIQUID LIMIT APPARATUS	1
4	LIGHT COMPACTION TEST APPARATUS	1
5	HEAVY COMPACTION TEST APPARATUS	1
6	PERMEABILITY APPARATUS	1
7	OVER HEAD TANK	2
8	CONSOLIDATION APPARATUS	1
9	SIEVE SHAKER	1
10	PYCNOMETER	2
11	SHRINKAGE LIMIT SET	1
12	ELECTRONIC WEIGHING BALANCE-2KG	1
13	ELECTRONIC WEIGHING BALANCE-10KG	1
14	ORDINARY WEIGHING BALANCE-5KG	1
15	ORDINARY WEIGHING BALANCE-10KG	1
16	HOT AIR OVEN	1
17	PLASTIC LIMIT APPARATUS	1
18	VANE SHEAR APPARATUS	1
19	DIRECT SHEAR APPARATUS	1
20	UNCONFINED COMPRESSION TESTER	1
21	SOIL HYDROMETER	1
22	ELECTRICALLY OPERATED WATER PUMP	1
23	PRESSURISED STORAGE TANK-10L CAPACITY	1
24	TRIAXIAL OUTFIT	1
25	SEMI SELF INDICATING COUNTER SCALE	1
26	I.S SIEVES	8
27	MODELS-	
a	GRILLAGE FOUNDATION	1
b	COFFERDAM	1
c	GRAVITY DAM	1
28	SOIL SAMPLE EXTRACTOR	1
29	I.S SIEVES 20CM DIAMETER	1
30	SPLIT MOULD	
a	38MM DIA 76MM LENGTH	1
b	50MM DIA 100MM LENGTH	1

TRANSPORTATION ENGINEERING LAB

SL NO	NAME OF INSTRUMENT/ EQUIPMENT	QUANTITY
1	COMPACTION APPARATUS	1
2	PYCNOMETER 1L CAPACITY	2
3	AIM-450 THICKNESS GAUGE	2
4	AIM -451 LENGTH GAUGE	2
5	RING AND BALL APPARATUS	2
6	DUCTILITY TESTING MACHINE	1
7	STANDARD TAR VISCOMETER	2
8	CRUSHING VALUE APPARATUS	1
9	AGGREGATE IMPACT TESTER	1
10	ABRASION TESTING MACHINE	1
11	MARSHAL APPARATUS	1
12	CBR TESTING APPARATUS	1
13	FLASH POINT APPARATUS	1
14	CENTRIFUGE EXTRACTOR	1
15	WATER BATH	1
16	WEIGHING BALANCE-5KG	1
17	WEIGHING BALANCE-20KG	1
18	ELECTRONIC BALANCE-2KG	1
19	PLATFORM BALANCE	1
20	PENETROMETER	2
21	I.S SIEVES	15
22	MODELS	
a	FLY OVER ROAD JUNCTION	2
b	POINT CROSSING	1
c	INTER LOCKING	1
d	ROAD SUSPENSION BRIDGE	1
e	PLATE GIRDER BRIDGE	1
f	PLATE GIRDER BRIDGE	2
g	CBR MOULD	1
23	ELECTRONIC BALANCE-10KG	1
24	COMPACTION MOULD	1

SURVEY LAB

SL NO	NAME OF INSTRUMENT/ EQUIPMENT	QUANTITY
1	CHAIN	12
2	RANGING RODS	45
3	CROSS STAFF	12
4	TAPE	20

5	MALLET	10
6	PEG	36
7	PRISMATIC COMPASS	15
8	DUMPY LEVEL	10
9	LEVELLING STAFF	20
10	THEODOLITE	18
11	PLANE TABLE SET	10
12	SUEVEYORS COMPASS	2
13	DIGITAL PLANIMETER	2
14	PENTA GRAPH	1
15	BOX SEXTENT	1
16	ABNEY LEVEL	1
17	TANGENT CLINOMETER	1
18	CELESTIAL SPHERE	1
19	ENGINEERS TILTING LEVEL	1
20	AUTOMATIC LEVEL	1
21	MIRROR STEREOSCOPE	1
22	OPTICAL SQUARE	1
23	SUBTANCE BAR	1
24	TOTAL STATION	2
25	TROUGH COMPASS	6

**DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

DIGITAL/MICROPROCESSOR & MICRO CONTROLLER LAB

DIGITAL LAB

Sl.No	List of equipments	Qty No
1	Oscilloscope 30MHz/2 Channel Oscilloscope	1
2	Digital IC Tester	1
3	Digital / Logic IC Trainer Kit	38
4	Digital Multimeter	4
5	25MHz/Two channel Oscilloscope	3
6	Educational Chart	10

MICROCONTROLLER LAB

Sl.No	List of Equipments	Qty No
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1	8031/51 LCD Microcontroller Trainer Kit with inbuilt Power supply, Display and Key board. Make: Knowl Instruments M51-02	10
2	Keyboard and Display Interface	1
3	Embedded trainer Kit Make: Knowl Instruments E89-02	2
4	Embedded Cross C-Compiler for 51 family (CD) Make: Knowl Instruments	1
5	ADC Interface Card	7
6	DAC Interface Card	7
7	Stepper Motor Interface Card with Motor	7
8	RTC Interface Card	1
9	Opto Input Interface Card	1
10	Opto Output Interface Card	1
11	Universal Embedded Trainer with Stepper Motor	3
12	Infra red Transmitter/Receiver Card	1
13	Extending Input/Output Card	1
14	Keyboard and LCD Display Interface	4
15	Uni Programmer and IC Tester	2
16	Microcontroller Trainer Kit (Micro 51LC (LCD)) μ 51LC	10
17	Hexa Board	2
18	Relay Motor and Interface Board	3
19	Metrix Display	2
20	LCD Interface Board	2

ADVANCED MICROPROCESSOR LAB

Sl.No	List of Equipments	Qty No
1	8085 Microprocessor Trainer Kit	40
	8086 Microprocessor Trainer Kit	2
2	2 Channel DAC interface Board	9
	8 Channel ADC interface Board	4
	Stepper Motor Controller	9
	Traffic Light Controller System	4
3	Digital Multimeter	1

ELECTRONICS CIRCUITS LAB

Sl. No	List of Equipments	Qty No
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	Oscilloscope	
1	30 MHz / Two channel Oscilloscope	22
	Function Generator	
2	2 MHz Function Generator	10
	3 MHz Function Generator	19
	Rheostat	
3	120 ohms,3A	5
	125 ohms,2.8A	4
	125 ohms,2.5A	1
	400 ohms,0.6A	5
	1000 ohms,0.5A	5
	Ammeter	
4	0-1mA	10
	0-100mA	15
	0-500mA	21
	0-10mA	45
	0-500microA	15
	0-100microA	10
		Voltmeter-Moving Coil type
5	0-30V DC	10
	0-15V DC	20
	0-5V DC	15
	0-1V DC	15
		DC Regulated Power supply
6	0-30V,1A single	15
	0-30V,2A Dual	18
7	Digital Multimeter	3
8	Table Lamp CFL	1
9	Educational Chart	16

COMMUNICATION LAB

Sl.No List of equipments

Qty No

1	Oscilloscope	
	DSO	21
2	Signal Generator	41
	DC Regulated Power Supply	
	0-30V,2A Single	5
	0-30V,5A Single	2
3	0-±30V,2A Dual	10
	0-30V,2A Dual	5
	0-±30V,1A Dual	21
	Fixed Voltage ±15V,5V	6
4	Digital Multimeter	4
5	Decade Inductance box	25
6	IC Trainer Kit with Function Generator	2
7	Educational Charts/Maps	1
8	Edwin XP Professional Software	1
9	40 pin Universal IC Tester, DILT 03	1
10	Table Lamp CFL Type	1

MICROWAVE LAB

SI No	List of Equipments	Qty No
1	Oscilloscope	
	100 MHz / 2 Channel Digital Storage Oscilloscope(colour)	1
	100 MHz / 2 Channel Digital Storage Oscilloscope(mono)	1
2	Klystron Microwave Bench	4
3	Fiber Optic Communication Kit consisting of	
	FCL-01-Fiber Optic Transmitter Kit	1
	FCL-02-Fiber Optic Analog receiver Kit	1
	FCL-03-Fiber Optic Analog and Digital Modulation /Demodulation Kit	1
	FCL-04-Fiber Optic Advanced Digital Communication Kit	1
	FG-01 Function Generators(Digital)	1
	FG-02 Function Generators(Analog)	1
4	Digital Communication Trainer Kit consisting of	
	DCL-01-Analog Signal Sampling Reconstruction Kit	1
	DCL-02-TDM Pulse Amplitude-Demodulation Kit	1
	DCL-03-Pulse Code Modulation Kit	1

	DCL-04- Pulse Code Demodulation Kit	1
	DCL-05-Data Conditioning and Carrier Modulation Kit	1
	DCL-06- Data Reconditioning and Carrier Demodulation Kit	1
	DCL-07-Delta/Sigma, Adaptive Delta Modulation /Demodulation Kit	1
	DCL-08-PAM / PWM / PPM Modulation / Demodulation Kit	1
	Audio Input / Out put Kit	1
5	Digital Multimeter	1
6	Antenna Trainer system (Scientech Model:ST2261)with radiation plotting software and 22 different antennas	1

MAT LAB

Sl.No	List of equipments	Qty No
	DSP PROCESSOR	
1	TMS320VC5416 DSK Board	3
	USB Downloadable Cables	3
	Universal Power Supply (+5V) with Power cord	3
	C5416 DSK Code Composer Studio CD	3
	DSK Technical Reference Manual	3
	MAT LAB Simulink- for 30 days trial version	3
	ADD ON CARDS	
2	Elevator Card	2
	Traffic Case	2
	Stepper Card	2
	Stepper Motor	2
	Power supply with Power cord	2
	DC Motor card with motor	2
	User Manual	2
	CPLD	
3	CPLD Starter Kit	2
	Power Adaptor	1
	Downloadable Cable	2
	Sample codes for VLSI and DSP	1 CD
	26 Pin FRC Connector	2
	FPGA	
	XILINX SPARTAN-3 200K Development Kit	2
	Downloadable Cables	2

4	Power Adaptor	2
	Manuals	2
	Software CD's	12
	XILINX-VHDL Software with CD with License ISE Foundation Series 8.1i	1 CD
	Model SIM	1 CD
	Chip Scope Pro Evaluation 8.1i	1 CD
	Sample Codes	1 CD
	Power Adaptor (CPLD)	1
5	MAT LAB	
	Mat Lab DVD Kit (R 2008A)	1
	Mat Lab (DOC Kit)	1
	SIMULINK (DOC Kit)	1
	Signal Processing Tool Box	1
	Filter Design Tool Box (Soft Copy)	1
	Communication Tool Box (DOC Kit)	1
	Control System Tool (DOC Kit)	1
	Mat Lab DVD Kit (R 2008B)	1
	Quick Start Booklet	1
6	PCI CARD	
	ALS – PC – 27 ADC/DAC/OPTO Isolated Input and Output	1
	Termination Board	1
	25 Core Cable	1
	10 Core Cable	1
	Manual	1
	Software CD	1

EMBEDDED SYSTEMS LAB

SI No	List of Equipment	Qty No
1	Real Time Embedded System	5
2	Embedded Digital Signal Processing	4
3	Embedded Image Processing	5
4	Embedded Wireless Sensor Networking	4
5	Analog System Lab Kit	3
6	Books	2
7	8051 Trainer Kit	2
8	ATMEL ARM 9263 Development Board	1
9	SPARTAN 6 Project Card	2
10	XILINX SPARTAN 3E FPGA Trainer Kit	2

ELECTRONICS ENGINEERING WORKSHOP

Sl.No	List of equipments	Qty No
1	<u>Cathode Ray Oscilloscope</u>	
	30 MHz/Two channel oscilloscope	19
	20 MHz/ Two channel Oscilloscope	4
	25MHz/Two channel Oscilloscope	4
2	<u>Function Generator</u>	
	2MHz Function Generator	11
	3MHz Function Generator	18
3	<u>DC Regulated Power Supply</u>	
	0-30V ,2A Dual	15
4	<u>Voltmeter</u>	
	0-15V	15
	0-1V	15
5	<u>Ammeter</u>	
	0-500 μ A	15
	0-100mA	15
6	<u>Digital Multimeter</u>	
	Model :DT830D	2
	Model :DM97	10
7	<u>Analog Multimeter</u>	2
8	<u>Educational chart</u>	4

ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT BASIC ELECTRICAL AND ELECTRICAL MEASUREMENTS LAB

LIST OF EQUIPMENT

Sl.No	Name of Item	Quantity
1	Rheostat-50 Ω ,5A,Single tube	7
2	Rheostat-100 Ω ,3A	4
3	Rheostat-270 Ω ,2.5A	2
4	Rheostat-100 Ω ,5A,double limb	4
5	Loading Rheostat-3phase, 5.25KW	2
6	Function Generator	1
7	CRO-20MHz	2
8	Current Transformer-25-10/5A	2
9	Potential Transformer-220/110V	2
10	LVDT	1
11	Decade Resistance Box	1

12	Decade Inductance Box	1
13	Decade Capacitance Box	1
14	LCRQ Bridge	1
15	Trivector Meter(with CT 200/5A)	1
16	Slidewire Potentiometer	1
17	Crompton's Precision Slidewire Potentiometer	1
18	Vernier Potentiometer	1
19	Digital LuxMeter	1
20	Inductive Load-3phase 10A	1
21	Wheatstone's Bridge	1
22	Standard Cell	2
23	Standard Resistance-0.5Ω/0.2	2
24	Voltage Ratio Box-300/1.5V	1
25	Potential Divider-300/1.5	1
26	Hibbertz's Standard	1
27	D'Arsonval Gavanometer	3
28	Galvanometer	3
29	Kelvin Bridge	1
30	Phase Shifting Transformer(AE-3 Phase)	1
31	3Phase Autotransformer-10A	2
32	3 Phase Loading Rheostat-5KW	1
33	3 KVA Single phase Transformer	1
34	Rheostat-80Ω,3A	2
35	Rheostat-21Ω,10A	1
36	Rheostat-20Ω,10A	1
37	Single phase autotransformer-240/270V,15A	4

LIST OF EQUIPMENT IN LAB AND WORKSHOP
ELECTRICAL MACHINES LAB

Sl No	Name of Item	Specifications				Quantity
		kW	V	A	rpm	
1	A.C.Motor+ D.C. Generator Set					1
	A.C Motor	18.5	415	33	1475	
	D.C.Generator	15	230	65.2	1500	
2	D.C.Motor+ D.C. Generator Set					1
	D.C Shunt Motor	4	220	22.5	1500	
	D.C Compound Generator	3.7	230	19.8	1500	
3	D.C.Compound Motor	3.7	220	19.5	1500	1

4	D.C.Shunt Motor	3.7	220	19.5	1500	1
5	D.C.Series Motor	3.7	220	19.5	1500	1
6	D.C.Series Motor + D.C. Series Generator Set					1
	D.C.Series Motor	3.5	220	20	1500	
	D.C. Series Generator	3.5	220	16	1500	
7	D.C.Shunt Motor + D.C. Series Generator					1
	D.C.Shunt Motor	3.5	220	18.5	1500	
	D.C. Series Generator	3.5	220	16	1500	
8	D.C.Shunt Motor + D.C. Shunt Generator					1
	D.C.Shunt Motor	3.5	220	18.5	1500	
	D.C. Shunt Generator	3.5	220	16	1500	
9	DC Shunt Motor with 3KVA Alternator					1
	DC Shunt Motor	3.7	220	19	1500	
	Alternator	3	415	4.2	1500	
10	DC Compound Motor with 5KVA Alternator					1
	DC Compound Motor	4.5	220	28	1500	
	Alternator	5	220	7	1500	
11	Synchronous Induction Motor	3.7	415	7.5	-	1
12	Synchronising Panel					1
13	Cascaded Induction Motor Set					1
	Slip ring Induction Motor	3.7	400	7.5	1440	
	Induction Motor	3.7	400	6	960	
	Shunt Generator	3.7	230	17	1500	
14	Pole Changing Motor	3.7	415	7.5	-	1
15	Single Phase Induction Motor	0.75	240	7.5	1500	1
16	Slipring Induction Motor	3.7	415	7.5	1440	1
17	Squirrel cage Induction Motor	3.7	415	8.1	960	1
18	Double Cage Induction Motor	3.7	400	7.5	1440	1
19	Induction Generator					1
	Induction Motor	3.7	400	4.3	1570	
	D.C.Machine	3.7	230	19	1500	
20	Synchronous Motor	3.7	415	6.2	1500	1
21	3 Phase Transformer with tappings	3KVA	400/200	15		2
22	3 Phase Transformer	5KVA	415/380			2
23	Single Phase Transformer	3KVA	220/110V			2
24	Single Phase Transformer	1KVA	240/120V			3
25	Single Phase Transformer	1KVA	220/110V			1
26	3 Phase Auto Transformer		415/470V	20		2
27	1 Phase Auto Transformer		240/270V	15		7

28	3 Phase Loading Rheostat	5	415		4
29	3 Phase Loading Inductor		415	10	1
30	1 Phase Loading Inductor		230	10	2
31	3 Phase Water Load		415	50	1
32	Rectifier unit		220	100	1

POWER ELECTRONICS/CONTROL LAB
LIST OF EQUIPMENT

SL NO.	NAME OF ITEM	QUANTITY
1	Systronics CRO,20MHz,Dual trace type 6020	11
2	Function Generator,2MHz,type 3002	5
3	DC Servomotor position control system (ITB-PEC01)	1
4	AC Servomotor Trainer(ITB-PEC00A)	1
5	Analog PID Controller Trainer(VAPID)-01	1
6	SCR,TRIAC,DIAC&Diode module device(PEC14M15)	1
7	BJT,MOSFET,IGBT(ITB-PEC16M1)	1
8	Different gate firing circuit moduleR,RC,UJT firing module(PEC14M12)	1
9	PWM inverter control module-IGBT based PWM inverter consisting of a)IGBT module b)PWM inverter control module(PEC 16M14#1)& c)R load	1
10	Single phase series inverter(ITB-PEC14M6)	1
11	Modified Mc Murray -Bedford full bridge inverter	1
12	SCR,TRIAC,DIAC Static characteristics module	1
13	UJT firing module(ITBPEC14M12A)	1
14	Single phase half &fully controlled bridge rectifier (PEC 14M14FW)	1
15	Motor(PMDC Motor as back EMF load-ITB PEC 13ACC3)	1
16	Speed control of motor using TRIAC	1
17	Universal motor	1
18	Single phase autotransformer 240/270V,15A, 4 no.s transferred to machines lab stock register page no 5	6
19	Single phase autotransformer 240/270V,15A type 15P-1, 4 no.s transferred to measurements lab stock register page no 86	6
20	Three phase autotransformer box type with banan terminal broughtout & wheel for transport input415V,output470V,10A	2
21	Synchro Transmitter receiver pair	1
22	Isolation Transformer 1kVA	5

23	Power electronic trainer model STPET-1	1
24	Power electronic trainer model STPET-2	1
25	Power electronic trainer model STPET-3	1
26	Power electronic trainer model STPET-4	1
27	Power electronic trainer model STPET-5	1
28	Power electronic trainer model STPET-6	1
29	Power electronic trainer model STPET-7	1
30	Power electronic trainer model STPET-8	1
31	Power electronic trainer model STPET-9	1
32	Power electronic trainer model STPET-11	1
33	Transformer 24-0-24/1A	4
34	Bread board modelCO3 with 1380 tie points and two terminals	20

DEPARTMENT OF MECHANICAL ENGINEERING
HEAT ENGINES LAB

SL NO	NAME OF EQUIPMENT	QUANTITY
1	FOUR STROKE TWO CYLINDER DIESEL ENGINE TEST RIG (10HP AT 1500RPM, WITH AC ALTERNATOR LOADING SYSTEM)	1
2	TWO STROKE SINGLE CYLINDER PETROL ENGINE TEST RIG(2.5 HP AT 3000 RPM, WITH OPE BRAKE DYNAMOMETER)	1
3	REFRIGERATION TEST RIG(0.75 HP COMRESSOR CAPACITY)	1
4	FOUR STROKE SINGLE CYLINDER DIESEL ENGINE CUT SECTION MODEL	1
5	FOUR STROKE MULTI CYLINDER PETROL ENGINE TEST RIG(10HP AT 1500RPM, WITH HYDRAULICLOADING SYSTEM)	1
6	FOUR STROKE SINGLE CYLINDER DIESEL ENGINE TEST RIG(5HP AT 1500 RPM WITH ROPE BRAKE DYNAMOMETER)	1
7	AIR CONDITION TEST RIG (1-TON CAPACITY)	1
8	FLASH AND FIRE POINT APPARATUS	1
9	JUNKERS GAS CALORIMETER	1

10	REDWOOD VISCOMETER	1
11	HORIZONTAL DIESEL ENGINE-ROPE DINAMOMETER	1
12	VARIABLE COMPRESSION RATIO PETROL ENGINE	1
13	MISCELLANEOUS TOOLS AND GAUGES	1
14	HORIZONTAL DIESEL ENGINE 5hp- ALTERNATER LOADING	1

HEAT TRANSFER & MECHANICAL ENGINEERING LAB

(SYSTEMS LAB)

SL NO	NAME OF EQUIPMENT	QUANTITY
1	INSULATING POWDER THERMAL CONDUCTIVITY APPARATUS	1
2	NATURAL CONVECTION APPARATUS	1
3	FORCED CONVECTION APPARATUS	1
4	LAGGED PIPE APPARATUS	1
5	EMISSIVITY MEASUREMENT APPARATUS	1
6	COMPOSITE WALL APPARATUS	1
7	PARALLEL FLOW, COUNTER FLOW HEAT EXCHANGER	1
8	REFRIGERATION TEST RIG(0.75 HP COMPRESSOR CAPACITY)	1
9	AIR CONDITION TEST RIG (1-TON CAPACITY)	1

10	GYROSCOPE TEST RIG	1
11	WHIRLING OF SHAFT TEST RIG	1
12	UNIVERSAL GOVERNER APPARATUS	1
13	STATIC AND DYNAMIC BALANCING APPARATUS	1
14	TWO STAGE TWO CYLINDER AIR COMPRESSOR(3 HP MOTOR, TANK CAPACITY500LITRE)	1
15	AIR BLOWER TEST RIG(3HP MOTOR WITH DELIVERY 100MM SIZE)	1
16	VIBRATION MEASURING APPARATUS	1
17	JOURNAL BEARING APPARATUS	1
	MECHANICAL MEASUREMENT LAB	
SL NO	NAME OF EQUIPMENT	QUANTITY
1	DEAD WEIGHT PRESSURE GUAGE TEST RIG	1
2	SOUND LEVEL METER	1
3	STROBOSCOPE APPARATUS	1
4	STRAIN GAUGE MODULE	1
5	PH-METER APPARATUS	1
6	SIIN BAR	1

7	SLIP GauGE SET	1
8	ROTAMETER TEST RIG	1
9	TEMPERATURE TRANSDUCER	1
10	WATER METER TEST RIG	1
11	SLING TYPE PSYCHROMETER	1
	HYDRAULICS LAB	
SL NO	NAME OF EQUIPMENT	QUANTITY
1	MONO BLOCK CENTRIFUGAL PUMP SET (1HP)	1
2	CENTRIFUGAL PUMP SET (15HP)	1
3	CENTRIFUGAL PUMP SET (15HP)	1
4	MINOR LOSS (PIPE LINE) MEASURING APPARATUS	1
5	CLOSED CIRCUIT NOTCH APPARATUS	1
6	CLOSED CIRCUIT OPEN CHANNEL APPARATUS	1
7	CLOSED CIRCUIT SINGLE STAGE MULTI SPEED CF PUMP TEST RIG	1

8	CLOSED CIRCUIT MULTI STAGE MULTI SPEED CF PUMP TEST RIG	1
9	CLOSED CIRCUIT JET PUMP TEST RIG	1
10	MISCELLANEOUS TOOLS AND GAUGES	1
11	VENTURIMETER ORIFICE METER TEST APPARATUS	1
12	ORIFICE MOUTH PIECE TEST APPARATUS	1
13	NOTCH APPARATUS	1
14	IMPACT OF JET APPARATUS	1
15	METACENTRIC APPARATUS	1
16	PIPE FRICTION APPARATUS (MAJOR LOSS)	1
17	FRANCIS TURBINE TEST RIG	1
18	PELTON WHEEL TEST RIG	1
19	RECIPROCATING PUMP TEST RIG	1
20	CENTRIFUGAL PUMP TEST RIG	1
21	GEAR PUMP TEST RIG	1
22	SELF PRIMING PUMP TEST RIG	1
23	CUT MODELS OF DIFFERENT TYPES OF PUMPS & VALVES	
24	VENTURIMETER METER TEST APPARATUS (Closed Circuit)	1

25	ORIFICE TANK APPARATUS (Closed Circuit)	1
	AUTOMOBILE WORK SHOP	
SL NO	NAME OF EQUIPMENT	QTY
1	AMBASSADOR PETROL ENGINE	1
2	MATADOR DIESEL ENGINE	2
3	AMBASSADOR PETROL ENGINE GEAR BOX	1
4	AUTOMATIC GEAR BOX UNIT	1
5	CONTASSA CAR PARTS	
6	CIELO CAR PARTS	
7	BATTERY CHARGER AND TESTING UNIT	1
8	MEASURING GUAGES : bore gauge, compression tester, vacuum tester, dual angle tester etc.	
9	MACHINE TOOLS (DRILLING AND GRINDING)	1 EACH
10	MISCELLANEOUS TOOLS: car stand, bearing puller, hydraulic jack etc.	
11	LOOSE PARTS (AUTOMOBILE)	
12	TWO POST CAR LIFT	1
13	VERTICAL BORING MACHINE	1

14	RESLEEING - SLEEVING PRESS	I
15	VALVE SEAT CUTTING MACHINE	1
16	PNEUMATIC TYRE CHANGER	1
17	WHEEL ALIGNMENT MACHINE- COMPUTERISED	1
18	WHEEL BALANCER	1
19	SPARK PLUG CLEANER AND TESTER	1
20	AIR COMPRESSOR-LG	1
21	DIESEL SMOKE METER	1
22	EXHAUST GAS ANALYSER	1
23	GAS WELDING SET	1
24	EXPERIMENTAL SET UP FOR FINDING VARIOUS ENGINE PARAMETERS IN 3 CYLINDER PETROL ENGINE MARUTHI, 4 CYL. PETROL ENGINE AMBASSADOR, 4 CYL. DIESEL ENGINE MATADOR & 6 CYL. DIESEL ENGINE 1210 TRUCK	1 EACH
25	AUTOMOBILE CHASSIS- JEEP	1
26	ARMATURE TESTING MACHINE- GROWLER	1
27	CONSTANT MESH GEAR BOX	1
28	DIFFERENTIAL UNIT(AMBASSADOR & FIAT)	2
29	STEERING GEAR BOX- RECIRCULATING BALL TYPE	1

30	IGNITION COIL TESTER	1
31	NOZZLE TESTER	1
32	DIESEL ENGINE CUT SECTION	1
33	HORIZOTAL LINE BORING MACHINE, MODEL H 1550	1
34	VALVE GRINDING (REFACING) MACHINE, MODEL VMR 150	1
35	COMPLETE FUNCTIONING MODEL OF AN AUTOMOBILE	1
36	ENGINE MODEL of BMW	1
37	WORKING CUT MODEL OF WANKAL ENGINE	1

- **Computing Facilities**

- Internet Bandwidth: 200 Mbps
- Number of configuration of System: Windows 7/10
- Total number of system connected by LAN: 335
- Total number of system connected by WAN:
- Major software packages available :
SP2 & LINUX (RHEL- 6), TURBO C ++, JAVA, MS-OFFICE 2007, MATLAB, XILINX, ORACLE, ADOBE READER, MCU8051IDE, KEIL, PROTEUS, ORCAD SPICE, MICRO C, AUTOCAD, STAAD PRO, SURE-TRACK, IBM RATIONAL SUITE, NS2, XAMPP, DEV C++, PTC-CREO 2.0, PERL, PYTHON, GEOGEBRA, OPEN GL, FLEX, BISON, NS2, NLTK, WEKA, LATEX, IBM-SPSS, NLTK, WEKA, MASM
- Special purpose facilities available

Laboratory Details

- 1) Laboratories available for the program : CCF, Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 2) Laboratories exclusively for the program : Lab 2, Lab 3, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 3) Laboratories shared by other programs : CCF, Lab 1, Lab 4
- 4) Laboratories shared with other programs :

- : 8.45 am-4.00 pm (Lab 1, Lab 2, Lab 3, Lab 4, Lab 5,
 PG Lab 1, PG Lab 2, Project Lab)
 5) Working Hours : 8.00 am-7.30 pm (CCF)
 6) Details Of Laboratory
 a) Name of the Laboratory : **Central Computing Facility(CCF)**
 b) Shared/Exclusive : Shared
 c) Carpet area : 4510 sq. ft
 d) Student Equipment Ratio : 1 : 1

Specification of Equipments Available
 (Rank the list by value of the equipment)

S.No	Equipment	Nos. Available	Price per equipment	Purchase Date	Quality Configuration
1	Computer (Core i3)	101	22,450	08-11-2010	
2	Computer (Core i5)	15	28,200	05-09-2012	
3	LCD Projector	4	1,11,264	26/9/2016	\
4	Laser jet Printer	1	13,798	16/9/2015	
5	Scanner	1	3,096	22/11/2011	
6	Desktop Speaker	9	5,670	02-02-2016	
7	VGA to HDMI coverter	4			

- 1) Laboratories available for the program : CCF, Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab
 2) Laboratories exclusively for the program : Lab 2, Lab 3, Lab 5, PG Lab 1, PG Lab 2, Project Lab
 3) Laboratories shared by other programs : CCF, Lab 1, Lab 4
 4) Laboratories shared with other programs :
 5) Working Hours : 8.45 am-4.00 pm (Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, ProjectLab)
 : 8.00 am-7.30 pm (CCF)
 6) Details Of Laboratory

- a) Name of the Laboratory : **Lab 1**
 b) Shared/Exclusive : Shared
 100 : 960 sq. ft
 d) Student Equipment Ratio : 1 : 1

Specification of Equipments Available
 (Rank the list by value of the equipment)

S.No	Equipment	Nos. Available	Price per equipment	Purchase Date	Quality Configuration
1	Computer (Core i3)	30	26,850	15-Sep-2012	
2	Computer (Dual Core)	3	15,000		
3	Projector	4	25,000	27-Sep-2012	
4	Printer (Dot Matrix)	1	6,000	17-Nov-2011	

- 1) Laboratories available for the program : CCF, Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 2) Laboratories exclusively for the program : Lab 2, Lab 3, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 3) Laboratories shared by other programs : CCF, Lab 1, Lab 4
- 4) Laboratories shared with other programs :
- 5) Working Hours : 8.45 am-4.00 pm (Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab)
 : 8.00 am-7.30 pm (CCF)
- 6) Details Of Laboratory
- a) Name of the Laboratory : **Lab 2**
 b) Shared/Exclusive : Exclusive
 c) Carpet area : 780 sq. ft
 d) Student Equipment Ratio : 1 : 1

Specification of Equipments Available
 (Rank the list by value of the equipment)

S.No	Equipment	Nos. Available	Price per equipment	Purchase Date	Quality Configuration
1	Computer (Core i5)	35	24,048	26-Jun-2013	
2	Printer (Dot Matrix)	2	6,634.62	04-May-2006	

- 1) Laboratories available for the program : CCF, Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 2) Laboratories exclusively for the program : Lab 2, Lab 3, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 3) Laboratories shared by other programs : CCF, Lab 1, Lab 4
- 4) Laboratories shared with other programs :
- 5) Working Hours : 8.45 am-4.00 pm (Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab)
- :
- 8.00 am-7.30 pm (CCF)
- 6) Details Of Laboratory
- a) Name of the Laboratory : **Lab 3**
- b) Shared/Exclusive : Exclusive
- c) Carpet area : 960 sq. ft
- d) Student Equipment Ratio : 1 : 1

Specification of Equipments Available
(Rank the list by value of the equipment)

S.No	Equipment	Nos. Available	Price per equipment	Purchase Date	Quality Configuration
1	Computer(Core 2 Duo 2.8)	60	15,000	20-02-2009	
2	Printer(TVS MSP 450 Champion)	2	7,350	24-9-2002	

- 1) Laboratories available for the program : CCF, Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 2) Laboratories exclusively for the program : Lab 2, Lab 3, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 3) Laboratories shared by other programs : CCF, Lab 1, Lab 4
- 4) Laboratories shared with other programs :
- 5) Working Hours : 8.45 am-4.00 pm (Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab)

- : 8.00 am-7.30 pm (CCF)
- 6) Details Of Laboratory
- a) Name of the Laboratory : **Lab 4**
- b) Shared/Exclusive : Shared
- c) Carpet area : 2983 sq. ft
- d) Student Equipment Ratio : 1 : 1

Specification of Equipments Available
(Rank the list by value of the equipment)

S.No	Equipment	Nos. Available	Price per equipment	Purchase Date	Quality Configuration
1	Computer Core i5 Slot 1(New Config)	45	32,130	01-02-2016	
2	Computer Core i3 Slot 3	35	22,750	19/01/2012	
3	Computer Core i5 Slot 2(Old Config)	30	29,600	26/06/2013	
4	HP Laserjet 1020 Plus	1		10-08-2007	
5	HP Laserjet Pro M202N	1	11,450	15/03/2017	

- 1) Laboratories available for the program : CCF, Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 2) Laboratories exclusively for the program : Lab 2, Lab 3, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 3) Laboratories shared by other programs : CCF, Lab 1, Lab 4
- 4) Laboratories shared with other programs :
- 5) Working Hours : 8.45 am-4.00 pm (Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab)
: 8.00 am-7.30 pm (CCF)
- 6) Details Of Laboratory
- a) Name of the Laboratory : **Lab 5**
- b) Shared/Exclusive : Exclusive
- c) Carpet area : 1830 sq. ft
- d) Student Equipment Ratio : 1 : 1

Specification of Equipments Available
(Rank the list by value of the equipment)

S.No	Equipment	Nos. Available	Price per equipment	Purchase Date	Quality Configuration
1	Computer (i 7)	1	43,000	12-05-2014	
2	Computer (i 5)	70	33,500	31-12-2013, 28-03-2014	

- 1) Laboratories available for the program : CCF, Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 2) Laboratories exclusively for the program : Lab 2, Lab 3, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 3) Laboratories shared by other programs : CCF, Lab 1, Lab 4
- 4) Laboratories shared with other programs :
- 5) Working Hours : 8.45 am-4.00 pm (Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab)
: 8.00 am-7.30 pm (CCF)
- 6) Details Of Laboratory
 - a) Name of the Laboratory : **PG Lab 1**
 - b) Shared/Exclusive : Exclusive
 - c) Carpet area : 527 sq. ft
 - d) Student Equipment Ratio : 1 : 1

Specification of Equipments Available
(Rank the list by value of the equipment)

S.No	Equipment	Nos. Available	Price per equipment	Purchase Date	Quality Configuration
1	Computer (i 7)	15	43,000	22/4/2014	
2	Computer (i 7)	9	43,000	04-12-2014	

- 1) Laboratories available for the program : CCF, Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 2) Laboratories exclusively for the program : Lab 2, Lab 3, Lab 5, PG Lab 1, PG Lab 2, Project Lab

- 3) Laboratories shared by other programs : CCF, Lab 1, Lab 4
- 4) Laboratories shared with other programs :
- 5) Working Hours : 8.45 am-4.00 pm (Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab)
: 8.00 am-7.30 pm (CCF)
- 6) Details Of Laboratory
- a) Name of the Laboratory : **PG Lab 2**
- b) Shared/Exclusive : Exclusive
- c) Carpet area : 527 sq. ft
- d) Student Equipment Ratio : 1 : 1

Specification of Equipments Available
(Rank the list by value of the equipment)

S.No	Equipment	Nos. Available	Price per equipment	Purchase Date	Quality Configuration
1	Computer (i 7)	23	43,000	12-03-2014	
2	Computer (i 3)	1	17,925	14/2/2014	

- 1) Laboratories available for the program : CCF, Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 2) Laboratories exclusively for the program : Lab 2, Lab 3, Lab 5, PG Lab 1, PG Lab 2, Project Lab
- 3) Laboratories shared by other programs : CCF, Lab 1, Lab 4
- 4) Laboratories shared with other programs :
- 5) Working Hours : 8.45 am-4.00 pm (Lab 1, Lab 2, Lab 3, Lab 4, Lab 5, PG Lab 1, PG Lab 2, Project Lab)
: 8.00 am-7.30 pm (CCF)
- 6) Details Of Laboratory
- a) Name of the Laboratory : **Project Lab**
- b) Shared/Exclusive : Exclusive
- c) Carpet area : 1044 sq. ft
- d) Student Equipment Ratio : 1 : 1

Specification of Equipments Available
(Rank the list by value of the equipment)

S.No	Equipment	Nos. Available	Price per equipment	Purchase Date	Quality Configuration
1	Computer (Core i3)	5	22,450	08-11-2010	
2	LCD Projector	1	1,11,264	26/9/2016	

- Innovation Cell
Kerala Blockchain Academy Innovation Club (KBAIC) is a novel initiative by Kerala Blockchain Academy (KBA) to help students from academic institutions across the country to explore deep into the potential of the blockchain technology. KBAIC provides an opportunity to work closely with experts and experiment the latest advancements in this domain. This will also help students to build their career in the disruptive world of blockchain. KBA, is an initiative of Government of Kerala under Indian Institute of Information and Technology and Management – Kerala with many International collaborations. KBAIC SSET focus to explore the disruptive potential of the Blockchain Technology for achieving public good through capacity building to promote Research, Development and Entrepreneurship.
KBAIC CHAIRPERSON: DR.PRAVEENSAL C.J, PRINCIPAL, SSET
KBAIC Coordinator: Dr. Vinod P, Professor, Head of the Department, Computer Science & Engineering
- Social Media Cell
- Compliance of the National Academic Depository (NAD), applicable to PGCM/PGDM Institutions and University Departments
- **List of facilities available**
 - Games and Sports Facilities
The Department of Physical Education, SCMS School of Engineering and Technology is promoting Physical Education and sports on par with regular academics. The Institution has well recognized the value of sports and physical activities as a means of developing personality promoting social harmony and discipline. The Department provides ample opportunity to the students to utilize their leisure time with physical activities to reduce their stress and inculcate a lifetime physical activity behavior in their day-to-day education system.
Physical fitness is not only the most important key to a healthy body but also the basis of dynamic and creative intellectual abilities. We encourage mass participation towards physical activities, which enhance the overall cognitive abilities of the students.
The Department of Physical Education is monitoring the sports activities of students as well as staffs. Our Sports department desires to prepare all the Sports events to enable participation for all Inter Collegiate Tournaments.
 - Extra-Curricular Activities
Sports, Social Activities, Arts, Students Clubs, Professional associations etc.
 - Soft Skill Development Facilities
A large percentage of young people preparing to enter the workforce over the next two decades are significantly lacking in the “soft” or applied skills such as teamwork, decision-making, and communication that will help them become

effective employees and managers. While credentials are important, it is the development of soft skills that is critical to developing a strong, vibrant workforce. These skills include critical thinking/problem solving, leadership, professionalism/work ethic, teamwork/collaboration, and adaptability/flexibility. In an attempt to equip students to meet the challenges of workplace, our college has introduced training programmes like Soft skills, Personality and communication skill development training. Building confidence, analysing situations and taking appropriate decisions with courage of conviction etc. are all very important for a successful life. Many students are not capable of handling any unexpected situation at the workplace. We aim at boosting their confidence and helping them build relationships. Several Career guidance program, reasoning tests, aptitude tests, Puzzle Solving, Group Discussions, Mock Interviews, Brain Storming Sessions, Core Discussion, Communication Skills and sharing their experiences etc., are organized on regular basis in order to motivate and develop the personality of the students. Before the commencement of campus recruitment drives, mock interviews are conducted to face the interviews successfully.

Professional training groups carry out the training programs in the following areas:

- Interview skill training
- Communication Skill Enhancement
- CV Preparation
- Effective Placement Training (includes Personality Development Program)
- Aptitude Tests
- Group Discussions
- Mock Interviews
- Communicative English
- Conducting "Career Guidance Program" for all the Pre Final Years.

The activities are proved exceptionally useful in shaping the career of the student

- **Teaching Learning Process**
 - Curricula and syllabus for each of the programmes as approved by the University
 - Academic Calendar of the University
 - Academic Time Table with the name of the Faculty members handling the Course
 - Teaching Load of each Faculty
 - Internal Continuous Evaluation System and place
 - Student's assessment of Faculty, System in place
- **For each Post Graduate Courses give the following:**
 - Title of the Course
 - Curricula and Syllabi
 - Laboratory facilities exclusive to the Post Graduate Course
- **Special Purpose**
 - Software, all design tools in case
 - Academic Calendar and frame work

17. **List of Research Projects/Consultancy Works**
 - Number of Projects carried out, funding agency, Grant received
 - Publications (if any) out of research in last three years out of masters project
 - Industry Linkage
 - MoUs with Industries (minimum 3)

18. **LoA and subsequent EoA till the current Academic Year**
https://www.scmsgroup.org/sset/web/recognition_affiliation

19. **Accounted audited statement for the last three years**

20. **Best Practices adopted, if any**

This institution has ever been sensitive to environmental and climatic issues and efforts are made to keep the campus eco-friendly to the extent possible. Concerted efforts are made for conserving electricity and water. Rain water harvesting is done and routed to the well in the campus. College has adopted best practices like Strategic planning for Institutional development, Industry - Academia Linkages, Technology Transfer for Societal Improvement, Campus Automation, Effective Utilisation of Free and Open Source Software.

Note: Suppression and/or misrepresentation of information shall invite appropriate penal action. The Website shall be dynamically updated with regard to Mandatory Disclosures