

MANDATORY DISCLOSURE OF ENGINEERING PROGRAMMES

I. NAME OF THE INSTITUTION

SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING

PAPPANAMCODE, THIRUVANANTHAPURAM – 695 018

Telephone: 0471 – 2490572, 2493920

Fax: 0471- 2493920

E-Mail: principal@sctce.ac.in

Web site: www.sctce.ac.in

II. NAME & ADDRESS OF THE PRINCIPAL

Dr. P.S.Chandramohanan Nair

SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING

Pappanamcode, Thiruvananthapuram – 695 018

Telephone: 0471 - 2490572 (Off)

Fax: 0471- 2493920

III. NAME OF THE AFFILIATING UNIVERSITY: UNIVERSITY OF KERALA

Website: www.keralauniversity.edu

IV. GOVERNANCE

Members of the Board and their brief background:

ADMINISTRATION: Sree Chitra Thirunal College of Engineering (SCTCE) is one of the leading Engineering institutions in the state of Kerala, established by Kerala State Road Transport Corporation (KSRTC) in the year 1995 under the auspices of Government of Kerala and affiliated to the University of Kerala with All India Council for Technical Education (AICTE) approval. SCTCE is also having the privilege of being one of the top seven Colleges in the state aided under the World Bank funded Technical Education Quality Improvement Programme (TEQIP).

This Institution is administered by a Governing Body. The Minister for Transport, Government of Kerala is the Chairman of the Governing Body, the Secretary for Transport, Government of Kerala is the Vice-Chairman and Principal is the Member Secretary. The other official members include:

Additional Chief Secretary for Higher Education, Government of Kerala

Principal Secretary for Finance, Government of Kerala

Chairman, Managing Director, Kerala State Road Transport Corporation

Managing Director, KTDFC

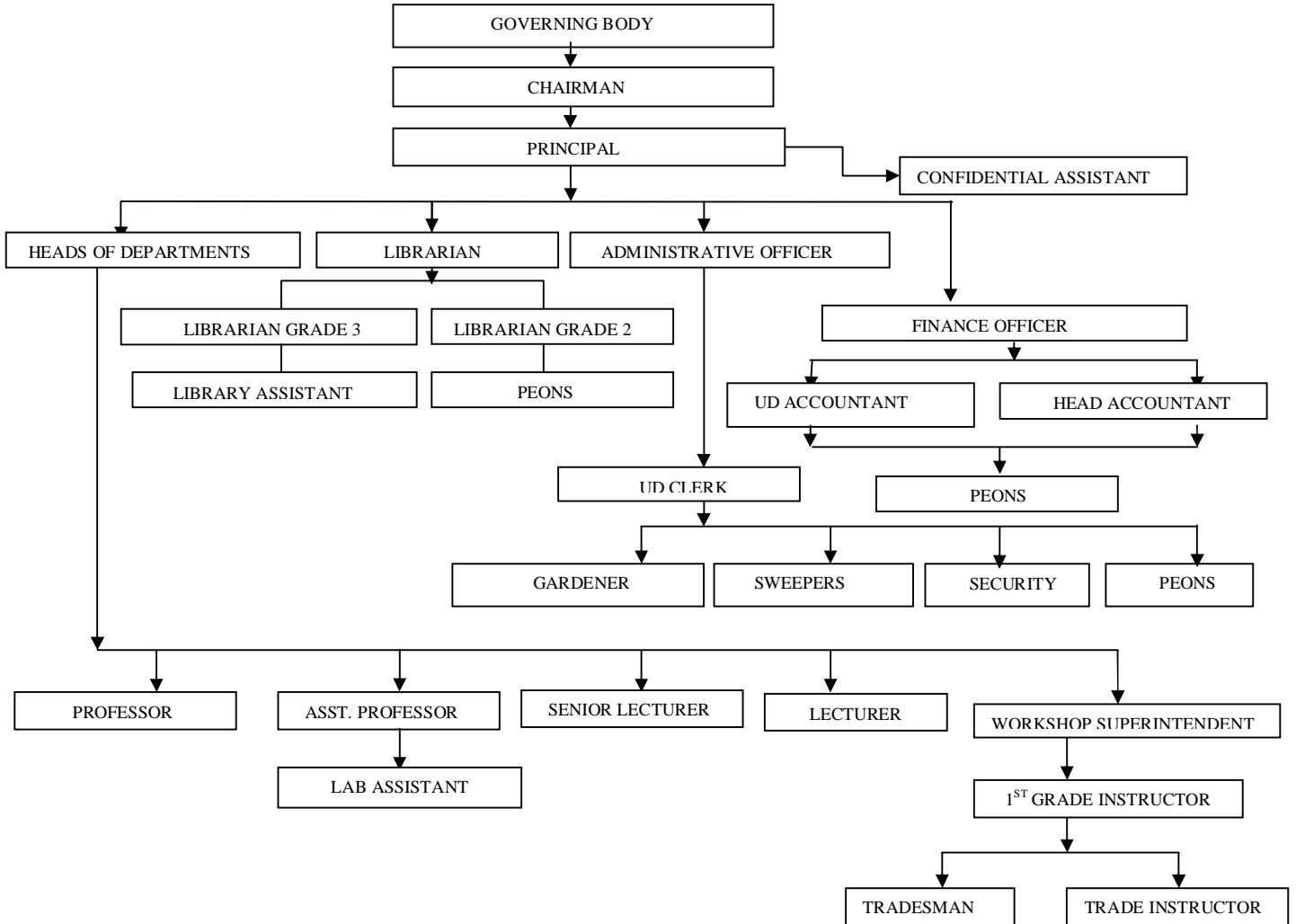
Director of Technical Education, Government of Kerala

South Western Regional Officer – AICTE, Bangalore

Members of Academic Advisory Body: The College has a Council, which consists of the Principal and the Heads of all Departments.

Frequency of the Board Meetings and Academic Advisory Body: The meetings of the Governing Body are held at least once in every three months. The college Council meets at least once in a month and also when there is some decision making related to the activities of the college.

Organizational chart and processes:



Nature and Extent of involvement of faculty and students in academic affairs/ improvements:

The heads of the departments form part of the college council, which takes important decisions related to the academic and other activities of the college. The head of the department in each department holds meetings with the faculty members of the respective department. Decisions are taken by consulting with the faculty members. These decisions relate to the routine academic activities such as commencement of classes, exam schedules, improving laboratories, purchasing new equipments etc. These decisions are approved in the council meetings.

In addition to the above, the Principal holds meetings with all the faculty members.

A meeting of the students' representatives from each class is held in the Principal's Chamber in presence of Head of Departments once in every three months to discuss about academic matters. In addition all students are required to submit a feed back form in each semester to assess the quality of teaching.

All these practices ensure involvement of faculty members and students in academic affairs.

Mechanism/Norms and Procedure for Democratic/Good Governance

Department Associations:

Each Department in the College has its own students Associations that organizes lectures, seminars, workshops, exhibitions and symposia in which professionals from industries and other colleges participate. The representatives of the Associations are elected by a democratic procedure from among students of the respective branches. The different discipline associations in our College are:

AAES: Association of Automobile Engineering students

CEST: Council of Electronic Studies

PESA: Production Engineering Students Associations

LANSCAPE: Computer Science Students Associations

euBION: Association of Biotechnology students

MESA: Mechanical Engineering students Association

Associations and other bodies for all departments:

Computer Society of India Student Branch

SAE Collegiate Club

National Service Scheme

Research & Consultancy Centre

Road Safety Club

Indian Society for Technical Education Staff Chapter

Grievance redressal mechanism for students:

Staff Advisory System: Immediately after admission to the College, each student is assigned to a staff member, the Staff Advisor, who would open a file for personal and academic details of the students, and guide the student during his/her course in the college. The Staff Advisor is expected to give advice and guidance to the students in all curricular and extra curricular matters. The students are allowed freedom to express their grievances and the staff advisor initiates steps to solve it to the extent possible.

V. PROGRAMMES

Name of the Programmes approved by the AICTE:

1. B.TECH IN ELECTRONICS & COMMUNICATION ENGG (ECE). (8 SEMESTERS), INTAKE-132 PER YEAR.
2. B.TECH IN COMPUTER SCIENCE & ENGG (CS). (8 SEMESTERS), INTAKE – 66 PER YEAR.
3. B.TECH IN MECHANICAL ENGINEERING (ME). (8 SEMESTERS), INTAKE - 66 PER YEAR.
4. B.TECH IN MECHANICAL (STREAM AUTOMOBILE) ENGINEERING (MA). (8 SEMESTERS), INTAKE – 66 PER YEAR.
5. B.TECH IN MECHANICAL (STREAM PRODUCTION) ENGINEERING (MP). (8 SEMESTERS), INTAKE – 66 PER YEAR.
6. B.TECH IN BIOTECHNOLOGY & BIOCHEMICAL ENGINEERING (BT). (8 SEMESTERS), INTAKE – 66 PER YEAR.

7. M.TECH IN MECHANICAL (MACHINE DESIGN) ENGINEERING (MD). (4 SEMESTERS).
INTAKE – 18 PER YEAR

Name of the Programmes accredited by the AICTE:

B.Tech Degree programmes in Electronics & Communication Engineering, Computer Science & Engineering and Mechanical engineering (production stream) were accredited on September 2003. Mechanical engineering (Automobile stream) was also awarded accreditation w.e.f 19th July 2008. All the above UG programmes are accredited till 2011. (FNo. NBA/ACCR-879/07, dated 19/07/2008)

For each programme the following details are to be given:

Name	ECE	CS	ME	MA	MP	BT	MD
No. of Seats	132	66	66	66	66	66	18
Duration	4 years	4 years	4 years	4 years	4 years	4 years	2 years

Cut off mark/ rank for admission during the last three years: (rank)

Branch	Quota	EC	CS	ME	MP	MA	BT
2008	Govt. Quota	2320	3840	2916	7381	7036	11400
	Management Quota	6614	9076	6971	12459	12552	19500
2007	Govt. Quota	5237	5750	7561	14081	12037	18776
	Management Quota	9725	13583	11896	20756	16641	27900
2006	Govt. Quota	1731	1996	3216	5078	5215	5631
	Management Quota						

Last rank admitted during 2008 admissions:

	MERIT QUOTA						MANAGEMENT QUOTA					
	EC	CS	ME	MP	MA	BT	EC	CS	ME	MP	MA	BT
SM	2320	3840	2916	7381	7036	11400	15% NRI (According to qualifying exam marks) and 10% reserved for sons/ daughters of Kerala State Road Transport Corporation employees(according to state entrance rank)					
EZ	3152	4143	4413	9647	8314	15574						
MU	3392	5552	4283	10964	8017	15748						
SC	16611	27038	18710	45377	40182	37883						
ST	62384	64751	65851									

FEE STRUCTURE OF THE INSTITUTION

Sl.No.	Category	Government Quota		Management Quota		NRI	
		Fixed by the state fee committee	Being charged by the institution	Fixed by the state fee committee	Being charged by the institution	Fixed by the state fee committee	Being charged by the institution
1	Admission fee	150	150	150	150	150	150
2	Tuition fee	6200	6200	38700	38700	100000	100000
3	Laboratory fee Library fee Affiliation fee	2000	2000	2000	2000	2000	2000
Total fee*		8350	8350	40850	40850	102150 + 125000(refundable deposit)	102150 + 125000(refundable deposit)

*Caution deposit of Rs. 5000/- applicable to all students except NRI and SC/ST students.

Placement Facilities: The Career Guidance and Placement Unit (CGPU) functioning in the College take care of the on-campus placement activities. A Committee consisting of Senior Faculty manages the day to day affairs of the unit. The CGPU as a facility of its own with air conditioned Mini Conference Hall and interview cubicles. CGPU is also equipped with Public Announcement System, LCD, OHP, PC's etc. All eligible students were placed in premier firms during the last three years. CGPU also gives a right orientation to students in their career planning and higher studies.

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

Minimum Salary-Rs 1.5 lakhs/- (Approx) per annum

Maximum Salary-Rs 3.8 lakhs/-(Approx) per annum

Average Salary-Rs 2.5 lakhs/-(Approx) per annum

Year	Total number of students placed through placement cell
2008 - 2009	188
2007 - 2008	319
2006 - 2007	294

VI. FACULTY

Branch wise list faculty members:

- Regular Faculty:
- Visiting Faculty:
- Adjunct Faculty:
- Guest Faculty:

- Faculty- Student Ratio:

Name of the Course	Sl. No	Name of the Teaching Faculty	Designation(Lecturer/Asst. Professor/Professor)	Nature of appointment	Qualifications with field of specialization			Experience
					UG	PG	Doctorate	
COMPUTER SCIENCE	1	Prof. Ganeshan R	Professor and Head	Contract	B.Tech	M.Tech		34
	2	DR. Jayasudha J S	Asst. Professor	Regular	B.Tech	M.Tech	Ph.D	13
	3	Soniya B	Asst. Professor	Regular	B.Tech	M.Tech	Doing Ph.D	11
	4	Subu Surendran	Asst. Professor	Regular	B.Tech	M.Tech	Doing Ph.D	8
	5	Chitharanjan K	Sr. Lecturer	Regular	B.Tech	M.Tech		8
	6	Rejimol Robinson R R	Lecturer	Regular	B.Tech	M.Tech		8
	7	Kavitha K V	Lecturer	Regular	B.Tech			4
	8	Rejimoan R	Lecturer	Regular	B.Tech	Doing M.Tech		4
	9	Lekshmi D Kumar	Lecturer	Regular	B.Tech			4
	10	Preeja V	Lecturer	Regular	B.Tech			4
	11	Bismi S Lal	Lecturer	Guest	B.Tech			1
	12	Natasha Acquilla	Lecturer	Guest	B.Tech			1
ELECTRONICS & COMMUNICATION	1	Prof. S. Vaidyanathan	Professor	Contract	B.Tech	M.Tech		
	2	Sheeja M K	Asst. Professor	Regular	B.Tech	M.Tech	Doing Ph.D	10
	3	Shanti K J	Asst. Professor	Regular	B.Tech	M.Tech	Doing Ph.D	12
	4	Libish T M	Asst. Professor	Regular	B.Tech	M.Tech	Doing Ph.D	8
	5	Sajith Sethu P	Sr. Lecturer	Regular	B.Tech	M.Tech		8
	6	George. M.Joseph	Sr.Lecturer	Regular	B.Tech	M.Tech		8
	7	Deepa. A.K	Sr.Lecturer	Regular	B.Tech	M.Tech		8
	8	Salim Paul	Sr.Lecturer	Regular	B.Tech	M.Tech		8
	9	Nisha Jose K	Lecturer	Regular	B.Tech	M.Tech		8
	10	Sandhya L	Lecturer	Regular	B.Tech			8
	11	Smitha P S	Lecturer	Regular	B.Tech			4
	12	Asha S	Lecturer	Regular	B.Tech			4
	13	Bindu V	Lecturer	Regular	B.Tech			4
	14	Sajeer M	Lecturer	Regular	B.Tech			1
	15	Subha V	Lecturer	Regular	B.Tech			1
	16	Lakshmi V S	Lecturer	Regular	B.Tech	M.Tech		1
	17	Kumar G S	Lecturer	Regular	B.Tech			1
	18	Parvathy Rajan G	Lecturer	Guest	B.Tech			
	19	Remya Kailas	Lecturer	Guest	B.Tech			
	20	Sunanda Balan	Lecturer	Guest	B.Tech			
	21	Prajin	Lecturer	Guest	B.Tech			
	22	Salini M	Lecturer	Guest	B.Tech			
	23	Sophy Thomas	Lecturer	Guest	B.Tech			
MA /MP /ME / MD	1	Prof. P M Hormese	Professor and Head	Contract	B.Tech	M.Tech		41
	2	Prof. S.Balachandran	Professor	Contract	B.Tech	M.Tech		33
	3	Anil Kumar S H	Asst. Professor	Regular	B.Tech	M.Tech	Doing Ph.D	13
	4	Ajith R	Asst. Professor	Regular	B.Tech	M.Tech	Doing Ph.D	13
	5	Anoop Kumar S	Asst. Professor	Regular	B.Tech	M.Tech/MBA	Doing Ph.D	13

MATHEMATICS	1	Dr. Jaya J B	Lecturer	Regular	B.Sc	M.Sc	Ph.D	10
	2	Dr. Sathi Devi	Lecturer	Regular	B.Sc	M.Sc	Ph.D	10
	3	Anitha C S	Lecturer	Regular	B.Sc	M.Sc/M.Phil	Doing Ph.D	10
	4	Sreedevi I S	Lecturer	Guest	B.Sc	M.Sc		
	5	Regidevi J R	Lecturer	Guest	B.Sc	M.Sc		
	6	Priya P Nair	Lecturer	Guest	B.Sc	M.Sc		
	7	Sheeja T K	Lecturer	Guest	B.Sc	M.Sc		
CIVIL ENGG	1	B Geetha Kumari	Sr. Lecturer	Regular	B.Tech	M.Tech		10
	2	Shimi Lawrence	Sr. Lecturer	Regular	B.Tech	M.Tech		10
	3	Bindhu Bernard	Lecturer	Regular	B.Tech			1
	4	S Jayalekshmi	Lecturer	Guest	B.Tech			
	5	Greeshma A V	Lecturer	Guest	B.Tech			
	6	Anusree S	Lecturer	Guest	B.Tech			
	7	Nasreen F	Lecturer	Guest	B.Tech			
CHEMISTRY	1	Sabitha Mohan	Lecturer	Regular	BSc	MSc, B.Ed		5
	2	Divya R	Lecturer	Guest	B.Sc	M.Sc		
	3	Suprabha S	Lecturer	Guest	B.Sc	M.Sc		
PHYSICS	1	Suja Devi	Lecturer	Regular	B.Sc	M.Sc		3
	2	Remya S Nair	Lecturer	Guest	B.Sc	M.Sc		
ECONOMICS	1	Prof Kumari Tulasi	Professor	Visiting	B.A	MA, MPhil		29
	2	Prof Ponnayyan	Professor	Visiting	B.A	M.A		35

VII. PROFILE OF PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED



Name : Dr. P.S.Chandramohan Nair

Date of birth : 21st December 1953

Academic qualifications (with field of specialization):

Degree	Specialisation	Institution/ University	Year
B.Sc.(Engg.)	Electrical Engineering	College of Engineering, Trivandrum (University of Kerala)	1975
M.Sc.(Engg.)	Electrical (Power Systems)	College of Engineering, Trivandrum (University of Kerala)	1978
Ph.D.	Energy Studies	I.I.T. Delhi	1992

- Former **Director** of ANERT (Agency for Non-conventional Energy and Rural Technology), Govt. of Kerala (2006-2007)
- Former **Principal** of Govt. Engineering College, Barton Hill, Trivandrum (2007-2008)
- Former **Professor** of Electrical Engineering at College of Engineering Trivandrum.
- He possesses vast experience in the area of Energy Management.
- Recently he developed a simple and reliable *tamper-proof energy metering system*.
- Founder office bearer and **former President** of the Energy Conservation Society (**ECS**)
- **Founder President** of the Society of Energy Engineers and Managers (**SEEM**), Professional Society of Accredited Energy Auditors and Energy Managers in India.
- **Senior Member of IEEE** (The Institute of Electrical and Electronics Engineers, U.S.A.), former Secretary of its Kerala Section and **founder Chairman** of its Power Engineering Society Chapter.
- **Fellow** of the Institution of Engineers (India) and **Executive member** of its Kerala State Centre.

- **Member, Plan Committee** on Energy Development, Kerala State Planning Board
- Immediate past **Chairman, Board of Studies** (B.Tech.) in Calicut University.
- He has more than **60 technical papers** out of which **24 are international**.
- Written a few books, a number of popular science articles, more than 70 radio and T.V. programmes to his credit.
- Produced two Ph.D.'s and many Research Scholars are working with him for Ph.D. programme.
- *He received 3 premier (first time) Awards from Govt. of Kerala:*
 1. **Best popular science book** for the work, *Oorjathinte Uravidangal Thedi (In Search of Energy Sources)*, 1990, published by KSSP (4 Editions).
 2. **Energy Conservation Award 1997**, in the Writer/ Media person category.
 3. **Energy Conservation Award 2004**, in the Research and Innovations category

Honorary positions presently/ recently held:

- i. *Member, Academic Committee for Engineering Education* in the State of Kerala
- ii. *Member, Monitoring Committee for Visiting Faculty Scheme* in Govt. Engineering Colleges and Fine Arts Colleges in Kerala
- iii. *Member, State level Committee for approval of courses* in Diploma Level Institutions during the year 2007 – '08.
- iv. *Member*, Committee for drafting Proposal to set up a Centre for Engineering Research & Development under Govt. of Kerala.
- v. *Special Expert Member in the Research Council* for Engineering and Technology Programmes (RCETP) constituted by the Kerala State Council for Science, Technology and Environment.
- vi. *Member, Executive Committee*, Kerala State Science and Technology Museum & Priyadarsini Planetarium
- vii. *Member, Governing Body*, Kerala State Science and Technology Museum & Priyadarsini Planetarium
- viii. *Member*, Committee for *revamping K.G.C.E. education* (institutes, curriculum and syllabi) in the State of Kerala
- ix. *Subject Expert* in the interview for the selection to the posts of Professors and Assistant Professors in Govt. Engineering Colleges in branches (i) Electrical & Electronics Engineering, (ii) Computer Science & Engineering, and (iii) Information Technology, May – June, 2008.

- x. **Subject Expert** in the interview for the selection of faculty members in Institutions under (i) Cochin University of Science & Technology (CUSAT), Kerala, (ii) Co-operative Academy of Professional Education (CAPE), Govt. of Kerala (iii) LBS Centre for Science & Technology, Govt. of Kerala and (iv) SCT College of Engineering, Trivandrum.
- xi. **Member, Expert Fact Finding Commission** to look into complaints regarding admissions 2008 to MBBS course in Colleges under Kerala Christian Professional College Management Federation
- xii. **Member, Board of Studies** in Environmental Science at the University of Kerala
- xiii. **Member, Faculty Board of Engineering & Technology**, University of Kerala, (during 1996-2000.)
- xiv. **Core Committee Member** in School of Technology & Applied Sciences (STAS) of Mahatma Gandhi University, Kottayam
- xv. **Member, A.I.C.T.E. Post Graduate Evaluation Committee** for the evaluation of P.G. Expert Committee Visit Reports.
- xvi. **Member, A.I.C.T.E. Expert (Visiting) Committee** for Introduction of New Post Graduate Courses
- xvii. **Member, A.I.C.T.E. Expert (Visiting) Committee** for verification of facilities for extension of Approval/ variation in intake/ Addl. Courses etc.
- xviii. **Member, State Level Monitoring Committee** for Energy Conservation in Kerala
- xix. **Patron, State Level Advisory Committee** for promotion of Energy and Environmental Conservation Clubs in ITIs and ITCs in Industrial Training Dept. of Govt. of Kerala
- xx. **Member, High Level Technical Committee** of K.S.E.B. for settling issues related to installing Electronic Energy Meters in the State of Kerala
- xxi. **Member, Research Advisory Board** of LBS Centre for Science & Technology, Govt. of Kerala
- xxii. **Research Committee Member** at Vakkom Maulavi Foundation, Trivandrum
- xxiii. **Judging Committee Member** for the Energy Conservation Award 2005 of Govt. of Kerala
- xxiv. Formerly (i) **Ex-officio member of the Task Force on Energy Development**, and (ii) **State Faculty in Energy Sector**, State Planning Board, Govt. of Kerala, during 9th plan period (1996-2001).
- xxv. His biography is included in many International biographical publications by publishers like Marquis, U.S.A.; International Biographical Centre, U.K.; American Biographical Institute etc.

VIII.FEE

Details of fee, as approved by State fee Committee, for the Institution: Fees fixed by State Committee appointed by Government of Kerala is applicable in this Institution as this is a Government Controlled Self financing Engineering College under Public Sector.

Time schedule for payment of fee for the entire programme: Fee is collected at beginning of every

academic year.

No. of Fee waivers granted with amount and name of students: For students belonging to the SC/ST category, fees will be reimbursed by the Government.

Number of scholarship offered by the institute, duration and amount: The College encourages students to apply for scholarships offered by other organizations. The main basis for the selection of candidates for such scholarships is the merit and income. Candidates having good academic records and the low income are chosen for the scholarships.

Criteria for fee waivers/scholarship: Low income & Good Academic Performance.

Estimated cost of boarding and lodging in hostels: Students are admitted in private hostels in the vicinity of the college. Average cost would be about Rs. 1800/ per month

IX. ADMISSION

NUMBER OF SEATS SANCTIONED WITH THE YEAR OF APPROVAL

Year	Branch	Merit	management
2008	EC	72	60
	CS	36	30
2007	ME	36	30
2006	MP	36	30
	MA	36	30
	BT	36	30
	MD	18	

X. ADMISSION PROCEDURE

Admissions are done from the rank list based on the entrance examination conducted by Commissioner of Entrance Examination, Govt. of Kerala.

Details are available in www.cee-kerala.org

Candidates for admission to the B.Tech Degree Course shall be required to have passed the plus two /HSE or any other examination accepted by the University as equivalent thereto with Mathematics, Physics and Chemistry as optional subjects and obtaining not less than 50% marks in Mathematics and 50% Mathematics, Physics and chemistry put together subject to the usual concessions allowed for backward and other communities are specified from time to time.

XI. CRITERIA AND WEIGHTAGES FOR ADMISSION

The admission for both the merit quota and management quota is purely based on the rank obtained in the Common Entrance Examination conducted by the Entrance Commissioner, Govt. of Kerala. The students will be allotted to different branches based on their rank in the entrance examination and their preferences.

The difference between merit quota and management quota is in the fees that have to be paid by the candidates.

XII. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

LIBRARY:

Library for the existing programme		
Sl.No.	Particulars	Availability
1	No. of titles of books	11682

2	No. of volumes of books		30379
3	No. of journals*	National	45
		International	3
4	Seating capacity		150
5	Reprographic facility		Two Xerox machines

* e journal AICTE Indest Consortium (IEL online) , IEEE, ASME & AMR are also Available

Online international journals	IEL Online journals include	120
	ASME & AMR journals include	19

LABORATORY:

Sl.no.	Name of the course	Name of laboratory/ workshop	Major equipment
1	CS/BT	Computer Lab 1 & 2	Thin Clients, 12 KVA UPSs, A4 Inkjet Printer, Multimedia System, 16x DVD, CD Writer, Dotmatrix Printer, LCD Projector, Laser Printer, LAN Switches, ACs.
2.	CS	Computer Lab3	P III & P4 systems, Acer Xeon Server, IBM server, 10 KVA UPSs, Flat Bed Scanner, Laser printers, Dotmatrix printers, LAN switches.
3.	CS	Computer Lab IV	P IV Systems, 17.5 KVA UPSs, Dotmatrix Printers, LAN Switches. LCD Projector ACs, Line Printer
4.	CS	Central Computing Facility(CCF)	P IV Systems, HP Servers, 2x5 KVA UPSs, Laser Printers, Inkjet Printers, Dotmatrix Printers, LAN Switches. DAX Router
5.	CS	Hardware Lab	CRO(20 MHZ)-15, Digital frequency timer & counter-1, Power supply-26, Function generator-9, Audio power meter-7 CRO-9, Digital I.C Trainer-12, Power Supply-3, Pulse Generator-1, Digital I.C Tester-1 Microprocessor 8086/88 kit-15 Microprocessor Trainer-1 Stepper Motor Controller Card With Motor-2 ADC Card-2, DAC card-2, P1 Systems

6	ECE/MA/P/ME	Electrical Machines Lab	Ammeter, Autotransformers, Frequency meter, multimeter, motor-generator set, compound motor, series motor, Induction motor (1 Φ , 3 Φ (SCM & SRM) Rheostat, Loading Rheostat, Starters, Tachometer, transformers, voltmeters, wattmeter
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DEPARTMENT: *ELECTRONICS AND COMMUNICATION ENGG*

7. ELECTRONICS CIRCUITS LAB

SL/NO.	EQUIPMENTS	QUANTITY
1	CATHODE RAYOSCILLOSCOPE	20
2	POWER SUPPLY VARIABLE	10
3	POWER SUPPLY (DUAL)	6
4	POWER SUPPLY (FIXED)	6
5	MULTI PORT POWER SUPPLY	6
6	POWER SUPPLY 0-60V	6
7	BREAD BOARD	20
8	DIGITAL MULTIMETER	4
9	FUNCTION GENERATOR	10
10	MULTIMETER (ANALOG)	15
11	VOLTMETER (0-1V)	12
12	VOLTMETER (0-10V)	12
13	VOLTMETER (0-50V)	12
14	VOLTMETER (0-100V)	12
15	AMMETER (0-500 μ A)	12
16	AMMETER (0-25mA)	12
17	AMMETER (0-50mA)	12
18	AMMETER (0-100mA)	12
19	AMMETER (0-100 μ A)	12
20	AMMETER (0-50 μ A)	12
21	AMMETER (0-100 μ A)	12
22	AMMETER (0-250 μ A)	12
23	AMMETER (0-500 μ A)	12
24	RHEOSTAT	10
25	IT TRAINER KIT	6
26	POWER SUPPLY DUAL, VARIABLE, 0-32 V	20
27	POWER SUPPLY DUAL, VARIABLE, 0-18 V	20
28	POWER SUPPLY SINGLE, VARIABLE, 0-5 V	20
29	CRO PROBE	80

8. ELECTRONICS WORKSHOP

SL/NO	EQUIPMENTS	QUANTITY
1	CATHODE RAYOSCILLOSCOPE (TEQIP)	15
2	POWER SUPPLY VARIABLE	10
3	POWER SUPPLY (FIXED)	6