

COLLEGE OF ENGINEERING, ATTINGAL
MANDATORY DISCLOSURE
(as on 31st January 2018)

“The information has been provided by the concerned institution and the onus authenticity lies with the institution and not on AICTE.”

1	AICTE File No.	F.No. South-West/1-3327118012/2017/EOA
2	Date and Period of last approval	30-Mar-2017, 2017-18
3	Name of the Institution	College of Engineering, Attingal
4	Address of the Institution	College of Engineering, Attingal, Attingal P.O.Kerala- 695 101
5	City And pincode	Attingal, Pincode : 695 101
6	State/UT	Kerala
7.	Longitude & Latitude	8.691103,76.81945
8.	Phone Number with STD Code	0470-2627400
9.	Fax Number with STD Code	0470-2627400
10	Office Hours At the Institution	9.30 am to 4.30 pm
11	Academic Hours At the Institution	9.30 am to 4.30 pm
12	Email	ceatingal@ihrd.ac.in , ceatingal.ihrd@gmail.com
13	Website	www.ceatingal.ac.in
	Nearest Railway Station (Distance in Km)	Chirayinkil (7.5Kms)
14	Nearest Airport (Distance in Km)	Trivandrum International Airport (30 km)
15	Type of Institution	Govt.
16	Category (1) of the Institution	Non Minority
17	Category (2) of the Institution	Co-Ed
18	Name of the Organization Running the Institution	Institute of Human Resources Development (IHRD)
19	Type of Organization	Autonomous Educational Institution established by Govt. of Kerala
20	Address of the Organization	Institute of Human esources Development, Prajoe Towers, Vazhuthacaud P.O., Trivandrum, Kerala – 695 014
21	Registered With	Registered under The Travancore – Cochin Literary, scientific and charitable societies registrations Act 12 of 1955
22	Registration Date	28.01.1987
23	Website of the Organization Name	www.ihrd.ac.in
24	Affiliating University Address	APJ Abdul Kalam Kerala Technological University, CET Campus, Thiruvananthapuram, Kerala 695016
25	Website	www.ktu.edu.in

26	Latest Affiliation Period	2017-18
27	Name of the Principal/Director	Sri. Sunil T T
28	Exact Designation	Principal
29	Phone No. With STD Code	0470-2627400
30	Fax No. With STD Code	0470-2627400
31	Email	ceattingal@ihrd.ac.in ceattingal.ihrd@gmail.com
32	Highest degree	PhD.
33	Field of Specialization	Digital Signal Processing

VI. FACULTY

Branch wise list of faculty members is given in the following table. The current ratio of permanent faculty to students is 1:20.6, the ratio of all full time teachers to students being 1:13.7. New recruitment process is under active consideration of the Governing Body for filling up of existing vacancies.

VII Details of the Full Time Teaching Faculty (Programme wise)

Sl no.	Name of the Teaching faculty	Designation Lecturer/ Asst Professor / Professor	Qualification with field of specialization		
			UG	PG	PhD
1	Smt.Anuradha P V	Associate Prof. In EC	PG		
2	Smt. Sobhi Raj N	Asst. Prof. In EC	PG		
3	Smt. Anuja V Nair	Asst. Prof. In EC	PG		
4	Sri. Sudheer Babu P P	Asst. Prof. In EC	PG		
5	Smt. Sajitha V Raj	Asst. Prof. In EC	PG		
6	Sri. Shanu N	Asst. Prof. In EC	PG		
7	Smt. Mili Roslin Mathews	Asst. Prof. In EC	PG		
8	Smt. Dancy Kurian	Asst. Prof. In CS	PG		
9	Smt. Leena Silvester M	Asst. Prof. In CS	PG		
10	Smt. Sheeja Y S	Asst. Prof. In CS	PG		
11	Smt. Aiby A Khadar	Asst. Prof. In CS	PG		
12	Sri. Salins S S	Asst. Prof. In EE	PG		
13	Sri. Sreejith S	Asst. Prof. In EE	PG		
14	Sri. Lexmikanth K S	Asst. Prof. In ME	PG		

15	Sri. Sanjay Raj C R	Asst. Prof. In ME	PG
16	Dr. Johnsy S Prasad	Professor In Maths	Ph.D.
17	Sri. Manoj S	Asst. Prof. In Maths	PG

VIII. Profile of the Principal

Dr.Sunil T T, Professor, Department of Electronics

Education

2011 - 2015 Ph.D. from Department of Electrical Engineering Institute of Technology Bombay, India.

1998 - 2000 M.Tech in Computer and Information Sciences, Department of Computer Science. Cochin University of Science and Technology Kerala.

1985 - 1990 B.Tech in Electronics and Communication Engineering Mar Athanasius College of Engineering Kothamangalam Kerala. Graduated with the **first rank** in the university.

IX. FEE

The fee structure of the programme is decided by the Govt. of Kerala every year before the commencement of admission process. Once admitted, the fee structure of a student remains the same throughout the period of his/her study provided the student finishes the coursework within duration of 8 consecutive semesters. 50% of seats are designated as free-ship seats for which fee at lower rate is collected and the remaining 50% is designated as full fee seats for which fee as proposed by Justice K.T. Thomas Commission is charged, with concession if any, approved by Government of Kerala.

Tuition fee and university fee are collected yearly as one installment. In addition, Examination fee to be remitted at the university is collected every semester and the amount depends on the prevailing university rates and the number of papers registered by the student in each examination. All the SC/ST/OEC students are allowed fee concessions as per Govt. norms.

IX. ADMISSION AND ADMISSION PROCEDURE

Admission to both free-ship and full fee quota are strictly based on the rank secured by the student in the entrance examination conducted every year by the Govt. of Kerala. 50% seats are called free seats and the remaining 50% are full fee seats. The Free category includes the statutory reservation categories and economically backward communities. Admission to all seats is conducted by CEE (Commissioner for Entrance Examination) through an online counseling based on the rank secured by the candidate. The detailed procedure, time schedule and select list of candidates will be published in the CEE web site: <http://cee-kerala.org>.

Diploma students are admitted to the third semester as per rules under lateral entry scheme (LET).

X. CRITERIA AND WEIGHTAGES FOR ADMISSION

The criteria for B.Tech degree admission is prescribed by the CEE, Govt. of Kerala and concerned university, issued every year by Govt. of Kerala through common prospectus for admission to professional degree courses. The eligibility of students is stipulated strictly as per AICTE guidelines.

XI. APPLICATION FORM

Details will be made available in the website of CEE/IHRD/CEA as per time schedule announced by CEE. Since the seats are allotted through online counseling no separate application form is needed.

XII. LIST OF APPLICANTS

Being an online centralized admission process, relevant details will be made available in the web sites while the admission procedure is in progress.

XIII. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

LIBRARY DETAILS

Total No: of Books : 9540

Subject	No: of Titles	No: of Volume
CS	1985	2833
EC	1980	3135
EE	2170	2730
Fiction and Mathematics	919	842

National Journals :11

International Journal

IEEE :169 e-journals

Library Automation

Ongoing using KOHA (open source) and Library Management Automation Software

Library Services

Member of National Digital Library (NDL)

---- Lending of Books

- Reference Service
- E- Journals Browsing Facility. National and International
- Photocopying
- Computer Printout
- Scanning facilities

(II) **LABORATORY / WORKSHOP FACILITIES: please see appendix 4**

FEE STRUCTURE

Certified that College of Engineering, Attingal is fully owned by Govt. of Kerala and the fee structure is fixed by the Govt. from time to time. For B.Tech students admitted during the year 2016-17, the tuition fee fixed by Govt. of Kerala is given below

No. of Seats	Tuition fee/year
50% of seats	Rs.35,000/-
50% of seats	Rs.65,000/-

COLLEGE OF ENGINEERING, ATTINGAL **THIRUVANANTHAPURAM-695 101**

OPERATIONAL FUNDS

Certified that the details of operational funds in respect of College of Engineering, Attingal as on 01.11.2014 is as given below.

Name of Bank	A/c. No./ FD Rt.No.	Nature of a/c
State Bank of India	67075924166	SB
State Bank of India	30841700229	Current

PRINCIPAL

Details of Laboratories and Workshops

SL.No	Name of the course	Name of the Laboratory/ Workshop	Total Area of Lab/workshop	Major equipment
1	Workshop	Mechanical Workshop	156 m ²	List attached
2		Electrical Workshop	125 m ²	
3	Lab	Electrical Machines Lab	156 m ²	
4		Electronics Circuit Lab I & II	156 m ²	
5		Communication Lab	156 m ²	
6		Project Lab	140 m ²	
7		Microprocessor Lab / DSP Lab	125 m ²	
8		Computer Lab	140 m ²	
9		Digital Lab	47 m ²	

List of Equipments – Communication Lab

SL.No	Item with Specification	Quantity
1.	CRO- 33 MHz	10 Nos
2.	Function Generator – 2 MHz	10 Nos
3.	Multi meter Digital	10 Nos
4.	Power Supply Variable (0-30 v / 2A)	10 Nos
5.	DSP Trainer Kit- TMS 320 C 6713	1 No
6.	Micro wave Bench	2Nos
7.	Fibre Optic Trainer Kit	1No

List of Equipments – Electrical Machines Lab

SL.No	Item with Specification	Quantity
1.	Ammeter (MC) 0-5/10 A	4 Nos
2.	Ammeter (MC) 0-2.5/5 A	4Nos
3.	Ammeter (MC) 0-5/30 A	4 Nos
4.	Ammeter (MI) 0-15/30 A	4Nos
5.	Ammeter (MI) 0-15/20 A	4Nos
6.	Ammeter (MI) 0-5/10 A	4Nos
7.	Auto Transformer 28 A 3 phases	3Nos
8.	Auto Transformer 15 A 1 ϕ	2Nos
9.	Auto Transformer 28 A 1 ϕ	2Nos
10.	DC shunt Motor 3.7 kw 1500 RPM	1 No
11.	DC Series Motor 3.5 kw	1No
12.	Generator Motor Set 5 HP	1No
13.	Knife Switch 500 V/32 A	2Nos

14.	Knife Switch DPDT 500 V/32 A	2 Nos
15.	Knife Switch TPDT 500 V/32 A	1 No
16.	Induction Motor 1 HP	1No
17.	Induction Motor Slip ring 3.7 kw	1No
18.	Induction Motor(Squirrel Cage) 5 HP	1No
19.	Rheostat 100 Ω 5 A	4Nos
20.	Rheostat 600 Ω 1.7 A	3Nos
21.	Rheostat 1000 Ω 1.2 A	2Nos
22.	Rheostat 300 Ω 1.7 A	2Nos
23.	Transformer 220/110V 3 KVA	3Nos
24.	Transformer 220/110V 2 KVA	3Nos
25.	Tachometer	3Nos
26.	Digital Tachometer	1No
27.	Voltmeter 30/60V MC	2Nos
28.	Voltmeter 150/300 V MC	7Nos
29.	Voltmeter (MI) (30/60V)	3Nos
30.	Voltmeter (MI) 150/30V	6Nos
31.	Voltmeter (MI) 250/500V	6Nos
32.	Wattmeter upf – 250/500V-10A/20A	4Nos
33.	Wattmeter upf- 150/300V 5/10 A	2Nos
34.	Wattmeter upf – 125/250/500 V -5/10A	3Nos
35.	Wattmeter lpf 125/250/500 V-5/10 A	3Nos
36.	Loading Rheostate 5kw/230V	2Nos
37.	Spanner Set	1No
38.	DC Power Supply 100A – 220 V	1 No

List of Equipments – Electrical Workshop

SL.No	Item with Specification	Quantity
1.	Soldering Iron	10 Nos
2.	Screw drive	20 Nos
3.	Side cutting Plier	10 Nos
4.	Steel rule	10 Nos
5.	Pocker	5Nos
6.	NT Cutter	1No
7.	Hack Saw	2 Nos
8.	Function Generator	1No
9.	Chisel	10 Nos
10.	Digital Multi meter	1No
11.	Combination plier	10 Nos
12.	Ball pen Hammer	10 Nos
13.	Analog Multi meter	1No

14.	Wooden Wiring Board	12 Nos
15.	Neon Tester	10 Nos
16.	Tenon Saw	2 Nos
17.	Wire Stripper	3Nos
18.	Variable Power Supply	1No

List of Equipments – Mechanical Workshop

S/no	Name	Qty
1.	Hand Shearing Machine	1No
2.	Bench Grinder	1No
3.	Pillar Type Drilling Machine	1No
4.	Carpenters Vice	8Nos
5.	Bench Vice	20 Nos
6.	Surface Plate	1No
7.	Anvil	2Nos
8.	Welding Transformer	1No
9.	Electrical Hand Drill	2Nos

List of Equipments in Microprocessor Lab

Sl no	Item with specification	Quantity
1.	8085 Microprocessor Trainer(VI Microsystems)	12Nos
2.	Microcontroller Trainer kit(VI Microsystems)	3Nos
3.	20MHz, dual trace Cathode Ray Oscilloscope (-tek)	5Nos
Interfacing devices		
4	Switches & LED Module	2Nos
5.	Stepper Motor (12V, 0.5A, Torque 2kg)	4Nos
6.	Real time clock/Calender Board	1No
7.	Memory expansion card for 8085/8086 kit	2Nos
8.	CRO interface board	2Nos
9.	DMA interface board	2Nos

10.	Stepper motor controller	4Nos
11.	Printer interface Board	2Nos
12.	8259 Simulator Board	1No
13.	8255 interface Board	2Nos
14.	2 – channel DAC interface board	3Nos
15.	8-channel ADC interface board	2Nos
16.	8251 & 8253 interface board	3Nos
17.	Keyboard & Display interface board	3Nos
18.	8259 interface board	3Nos
19	USB interfaced Universal device Programmer	1 No

List of Equipments in Digital Lab

Sl no	Item with specification	Quantity
1.	20 MHz, dual trace, Cathode Ray Oscilloscope (-tek)	8Nos
2.	Digital IC Tester (Kitek)	1No
3.	Power supply (5V,1A) (Scientific tech)	10Nos
4.	Digital IC Trainer (Scientific tech)	10 Nos

List of Equipments in the Circuit LAB

Sl no	Item with specification	Qty
1	Ammeter(0-500 A)	4Nos
2	20MHz Dual Trace Oscilloscope(with1 :1 probe)	8Nos
3	1MHz Function Generator	10Nos
4.	Analog Multimeter	3Nos
5.	Power supply(0-15V,2A)	14Nos
6.	Power supply(0-30V,2A)	15Nos
7	Voltmeter(0-15V)	3Nos
8	Voltmeter(0-3V)	3Nos
9	Voltmeter(0-10V)	3Nos
10	Voltmeter(0-30V)	3Nos
11	Ammeter(0-500MA)	5Nos
12	Ammeter(0-100MA)	5Nos
13	Ammeter(0-10MA)	5Nos
14	Ammeter(0-1MA)	5Nos
15	AHUJA make 7ZA2000,200W (100+100W) Sterio 2 Zone Amplifier, 6 Mic cad 2Amp)with accessories	1No
16	Digital Multimeter	2Nos
17	20 MHz Dual Trace CRO (With probe)	4 Nos

List of Equipments in the Computer Lab

Slno	Equipment	Qty
1	HP Server X 4300	2
2	Pentium IV 2.8 Ghz / with 256 RAM	125
3	Pentium IV 3 Ghz / with 256 RAM	
4	Pentium IV 3 Ghz / with 256 RAM	
5	Laptop	15
6	10 KVA UPS	2
7	5 KVA UPS	2
8	Total number of systems connected by LAN :	140
9	Internet Band width	
10	WiFi Connection Provided for students to access Internet	
11	Laser Printers	15
12	Inkjet Printer	1
13	Dot- Matrix Printer	1
14	Scanner	5
15	Wireless Access Point	20
16	24 Port Switch	10
17	16 Port Switch	5
18	8 Port Switch	10
19	Major Software Packages	Visual studio, C**, Windows XP, Windows 2003 server, Linux, MS-office 2003 IEL on line is available All systems are connected to LTSP

List of Equipments – Project Lab

SL.No	Item with Specification	Quantity
1.	HP Laser Printer	4Nos
2.	Web Camera	5 Nos
3.	Soldering Stand	12 Nos
4.	Desoldering Pump	18 Nos
5.	Digital Multimeter	13 Nos

6.	Analog Multimeter	16 Nos
7.	Micro Soldering Station	14 Nos
8.	Digital Storage Oscilloscope	1No
9.	DSP Trainer Kit	2Nos
10.	HP Computer with Intel Pentium dual core Processor with accessories	16 Nos
11.	FPGA SPARTAN III Proto board	1 No

(iv) GENERAL
Instructional
Area:

Facilities:
(1870 m²)

- class rooms - 12
- seminar/tutorial rooms - 03
- drawing hall - 01

Games & Sports:

- Football Court (Fives)
- Volley ball court
- Shuttle badminton court

Co-Curricular Activities:

- Technical forums/organizations like IEEE student Chapter, ISTE student and staff chapters, Electronics Students Association, Computer Students Association, Electrical Students Association. Technical forums conduct a variety of programmes where students have an opportunity to enhance managerial and organizational skills.
- Non technical forums like NSS, Forestry Club
- Spoken Tutorial (Courses by IIT Mumbai) and FOSS (Free & Open Source Software) Centre
- Computerized examination cell for conducting internal and university examinations

(v) Teaching learning process

The College was affiliated to Cochin University of Science and Technology and now to APJ Abdul Kalam Technological University (KTU), following the curriculum and syllabi of the university. The programme is conducted with a time span of 8 semesters. The scheme of evaluation includes both internal assessment and university examination. The laboratory sessions and project works are continuously evaluated for awarding the grades. The internal evaluation for the theory subjects is done with the help of two formal series examinations in each semester, various assignments and test papers.

Extra Lab and theory sessions are planned and implemented based on student performance during semesters. Audio-visual aids are thoroughly used in theory and tutorial sessions. Students are encouraged to work on community service projects alongside faculty, so as to learn implementation of technical knowledge and to be a veritable ingredient in societal development. Psychological counseling, for stress management, to handle competition and boosting of EQ (Emotional Quotient), is a vital ingredient of teaching learning process. Innovative schemes of providing references, texts from Library, and digital library, for online references, cater in plenty, to academic requirements.