



COLLEGE OF ENGINEERING ADOOR - 691551



ANNUAL REPORT APRIL 2013 - MARCH 2014

INTRODUCTION AND OUR ORGANIZATION

The versatile manifestations of engineering have had a profound and lasting impact on our civilization. From the grandeur of the pyramids and man's journey into space, to the recent information revolution, engineering continues to fascinate and enthrall.

The College of Engineering, Adoor (CEA), was established by Government of Kerala in 1994 under the Institute of Human Resource Development (IHRD), a Government of Kerala undertaking. CEA is located in the District of Pathanamthitta in the state of Kerala. Geographical boundaries are Western Ghats in the East and Arabian Sea in the West. Tamilnadu and Karnataka are the neighboring states. Admissions are carried out on the basis of the rank obtained in the All Kerala Common Entrance Examination (KEAM), conducted by the Controller of Entrance Examinations, Government of Kerala.

CEA is known for its academic excellence that provides undergraduate studies to about 1500 students in four disciplines. It imparts technical education and training in the fields of Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, and Mechanical Engineering. The institution is affiliated to Cochin University of Science and Technology (CUSAT) known internationally for its academic excellence. College of Engineering, Adoor is a recognized institution by the All India Council for Technical Education, New Delhi.

The college is magnificently spread up in 11.94 acres of scenic paradise. The College has good infrastructure facilities, which includes a central library, department libraries, well equipped laboratories and workshops. The College has two buildings where the main block is a five storey building and the second one, workshop block is a single storey building; together have a total built-up area of 10,886.4 sqm. Administrative sanction for an additional built-up area of 2000 sqm with financial support from NABARD is obtained. CEA also has a computer centre with high speed internet connection. The college's power requirement is catered by the 11kV substation with a 75kVA standby generator and with separate backup generator for Electrical Engineering Laboratories. Since the very first year of inception, CEA has achieved many a milestone both in academic and co-curricular pursuits. It has always provided an able platform for the students to turn into excellent engineers paving the path for a successful career.

VISION AND MISSION OF THE INSTITUTE

OUR VISION

OUR MISSION

As an institution, our mission is to provide world class education, foster development in research and development in Electronics, Computer& Mechanical fields. We strive to evolve innovative application of technology, encourage entrepreneurship and build young men and women capable of assuming leadership of the society.

TEQIP –II

The Institute is one of the 19 institutes all over Kerala to have been selected for Technical Education Quality Improvement Programme (TEQIP) Phase-II, sub-component 1.1, with a funding of **Rs.10.00 Crores**. The MoU has been signed in **February, 2013** and the project completion date is **31st October, 2016**. The objective of the programme is **“Strengthening Institutions to improve learning outcomes and employability of graduates”**.

BOARD OF GOVERNORS

1.	Prof. T.I. Eldho , Professor (Civil Engg.), IIT Mumbai	Chairperson
2.	Mr. K.C.Chandrasekharan Nair, Associate Principal Consultant, KITCO, Cochin	Member
3.	Dr. Achuth Sankar Nair, Department of Computational Biology and Bioinformatics, University of Kerala	Member
4.	Sri. L. L Ramachandran, Deputy General Manager (IS), BPCL Kochi Refinery	Member
5.	Prof. Manju S Nair, Associate Professor, Department of CSE, College of Engineering Adoor	Member
6.	Prof. John George, Associate Professor, Department of EEE, College of Engineering Adoor	Member
7.	State Government Nominee(Ex-officio)	
	1. Addl.Sectry/Joint Sectry/Dy.Sectry (Admin Dept)	Member
	2.Secretary/Addl.Sectry/Joint Sectry/Dy.Sectry(Fin Dept)	
8	Prof. Jyothi John (Ex-officio), Principal, College of Engineering Adoor.	Member



TEQIP –II ACTIVITIES

A. General

1. An **Orientation Programme** was conducted on **14.05.2013** in connection with TEQIP-II Implementation. The Session was handled by Prof. Narayanan K, Consultant, SPFU, Kerala.
2. The **mentor Dr. Ashalatha Thampuran**, Educationist and Former Principal of College of Engineering, Trivandrum, visited the campus on **15th & 16th November 2013** for the **First mentoring of the institution**. She interacted with the TEQIP Coordinators, faculty, technical and office staff and UG and PG students.
3. The SPFU had conducted a **departmental audit** on **19.02.2014** for the preliminary audit of accounts. The following officers, **Mrs. Lindsey Thomas, Finance Officer, Sri. SathyaRaj D, Head Accountant and Sri Rajeev Kumar N M, Senior Clerk** from SPFU visited.
4. The **Performance Auditor Mr. Suresh Dattatraya Khare**, Rtd. Deputy Director of. Technical Education. , Govt. of Maharashtra and **Data Auditor Dr R. Ajith**, Asso. Prof, SCT College of Engg. , Thiruvananthapuram visited the campus on **17th to 19th March 2014** for the **First auditing of the institution**. He interacted with the TEQIP Coordinators, faculty, technical and office staff and UG and PG students.
5. The firm **M/s Mohan & Mohan Associates, Chartered Accountants**, had conducted an **internal audit** for the financial statements of the College of Engineering Adoor for the two quarters of the financial year 2013-2014.
6. The firm **M/s K. Venkatachalam Aiyer & Co., Chartered Accountants**, had conducted a **statutory audit** for the financial statements of the College of Engineering Adoor for the financial year 2013-2014.

B. BOG MEETINGS

Sl. No	BOG meeting	Date & Time	Venue
1	I	22.06.13 11:00 AM	Conference Hall, College of Engineering Adoor
2	II	30.12.13 2:00 PM	Conference Hall, College of Engineering Adoor
3	III	22.02.14 11.15 AM	Conference Hall, College of Engineering Adoor

C. FACULTY DEVELOPMENT PROGRAMMES

i. FDP–Training Programmes organized in this institution

Faculty Development Programmes have been conducted in the Institution by all the departments to train the faculty from our college and from the colleges in and around Kerala. The resource persons for the FDP were eminent personalities from Industries and reputed Institutions who have shared their knowledge and practical sessions. The faculty members were able to enhance their technical skills and also to equip themselves for enhancing the quality of students.



**TEQIP- II
Sponsored 5
days FDP on
“Recent trends
in Renewable
Energy
Systems” from
10th to 14th June
2013.**



**TEQIP- II Sponsored 3
days FDP on
“Information and
Communication System
Security” from 26th to
28th June 2013.**

TEQIP- II
Sponsored 5 days FDP on
“Productivity and Energy
Efficiency for Sustainable
Development” from 22nd
to 26th July 2013.



TEQIP- II Sponsored 3 days
FDP on “Linux Kernel
Programming” from 12th to
14th August 2013.

TEQIP- II
Sponsored 2 days
Workshop on
“Reinventing Engineering
Mechanics – I” from 23rd
to 24th August 2013



**TEQIP- II Sponsored one
day Workshop on
“Introduction to Numerical
Methods” on 6th September
2013**

TEQIP- II Sponsored 3 days FDP on “Industrial Machinery Vibration Analysis and Machine Availability” from 09th to 11th October 2013.



TEQIP- II Sponsored one day Workshop on “VHDL & VLSI fundamentals” on 23rd October 2013



**TEQIP- II
Sponsored one day
Workshop on
“Programming in
PYTHON” on 04th
November 2013**



**TEQIP- II
Sponsored one
day FSD on
“Modern Display
devices based on
Nanotechnology”
on 07th November
2013.**

TEQIP- II Sponsored five days FSD on “Industrial automation using PLC & SCADA” from 25th to 29th November 2013.



TEQIP- II Sponsored three days FSD on “Application of Electromagnetic theory in transmission lines & antennas” from 04th to 06th December 2013.



**TEQIP- II
Sponsored one day
Workshop on
“Essentials of Cloud
Computing” on 12th
December 2013**

**TEQIP- II Sponsored three
days FSD on “Fundamentals
in Finite Element Methods”
from 29th to 31th January
2014.**





**TEQIP- II
sponsored one day
workshop on
“ORCAD &
PSPICE” on 30th
January 2014.**

**TEQIP- II sponsored
one day Workshop
on “Lab view” on
20th February 2014.**





TEQIP- II sponsored
one day
Workshop on
“Management of
Information Systems” on
26th February 2014

ii. FDP–Training Programmes attended outside this institution

The faculty members from College of Engineering, Adoor were able to participate in many of the training programmes outside the institution through TEQIP-II. The training programmes include technical training, management capacity enhancement training, pedagogical training and personality development training.

<i>SI no.</i>	<i>Title of activity with date</i>	<i>Name of the Beneficiaries</i>	<i>Name of the organization</i>
1	PMSS Training 23 rd to 24 th May 2013	Prof. John George (EEE) Prof. Ventikaraj K P(ME)	JNTU, Hyderabad
2	STTP -Intelligent methods towards computational linguistics 22 th to 27 th July 2013	Prof. Santhy S R (CSE) Prof. Jaseena A (CSE)	College of Engineering, Cherthala
3	STTP -VLSI Design 23 rd to 28 th July 2013	Prof. Sarojini S Potti (ECE)	College of Engineering, Karunagapally
4	STTP - Engine Testing and Certification	Prof. Anver Sadath A(ME)	ARAI, Pune

	18 th to 22 nd August 2013		
5	STTP - Energy management and Recent Trends in Power 25 th to 28 th August 2013.	Prof. Renjith Kumar D(EEE)	College of Engineering, Karunagapally
6	Workshop- Random process and applications 09 th to 11 th September 2013	Prof.Haseena A(EEE) Prof. Jalaja M B (AS)	College of Engineering, Karunagapally
7	TEQIP Project Review – Presentation Meeting 23 rd September 2013	Prof. Manu M John (ME) Prof. Madhu A K (ME) Prof. Anver Sadath A (ME)	SPFU Bangalore
8	MIS Training 9 th to 10 th October 2013	Prof. Sanchu S (ME)	Institute of Chemical Technology (Computer Centre) , Mumbai
9	Training in Quality Initiatives in Technical & higher Education- in compliance with NBA & NACC Accreditation 22 th to 24 th October 2013	Prof. Krishnadas G (AS) Prof. Rajesh M S(ECE) Prof. Jayan M C (ME)	Engineering Staff College of India, Hyderabad
10	STTP -Recent Trends in Nanotechnology 28 th October to 1 st November 2013	Prof. Ajeesh S(CSE) Prof. Syama S R(CSE) Prof. Shan N(ECE) Prof. Vibesh V Panicker(ECE) Prof. Bini B(ECE)	TKM College of Engineering, Kollam
11	Introductory meeting on Pilot Implementation of QEEE 18 th November 2013	Prof. Manu M John (ME)	NPIU, India Habitat Centre, New Delhi
12	Workshop – Timeless Leadership 27 th to 29 th November 2013	Prof. Madhu A K (ME)	Indian Institute of Management, Kozhikode
13	STTP - Linear Algebra 9 th to 13 th December 2013	Prof. Jalaja M B (AS)	LBS Institute of Technology, Thiruvananthapuram
14	Quality Enhancement in Engineering Education (QEEE) training workshop 17 th to 18 th December 2013	Prof. Madhu A K (ME) Sri. Biji Varghese (System Analyst, CSE)	Indian Institute of Technology, Madras
15	STTP - Advanced Computational Fluid Dynamics 22 th to 24 th December 2013	Prof. Anver Sadath A(ME)	Indian Institute of Technology, Madras
16	Workshop – Leadership	Prof. Manu M John (ME)	Indian Institute of

	Clinic 13 th to 15 th February 2014		Management, Kozhikode
17	STTP - Cryogenic technology : Materials, Processes and Equipment 17 th to 21 th February 2014	Prof. Sanchu S (ME)	Indian Institute of Technology, Kharagpur
18	Review meeting for QEEE Pilot project 13 th March 2014	Prof. Madhu A K (ME), QEEE Coordinator	Lecture Room II, India International Centre, New Delhi
19	Workshop – Cloud Computing 15 th to 16 th March 2014	Prof. Manju S Nair (CSE)	IIT & M, Kerala
20	Workshop - Strategic planning and good governance 17 th to 18 th March 2014	Prof. John George (EEE) Prof. Lasithan L G (ME)	College of Engineering, Thiruvananthapuram

D STAFF DEVELOPMENT PROGRAMMES

iii. Staff –Training Programmes organized inside this institution

Staff Development Programmes have been conducted inside the institution for the benefit of non-teaching staff and office administrative staff. Staffs from our college and from outside have participated and enhanced their knowledge, skills and personality.

TEQIP- II Sponsored 2 days Workshop on “Library Automation using KOHA” from 15th to 16th July 2013.

iv. Staff –Training Programmes attended outside this institution

The non-teaching staff and office administrative staff from our institution have taken part in many of the staff development programmes conducted outside the institution

<i>Sl no.</i>	<i>Title of activity with date</i>	<i>Name of the Beneficiaries</i>	<i>Name of the organization</i>
1	STTP - Study and Maintenance of Modernized Electronics Lab 12 th to 17 th August 2013	Sri. Balachandran S (ECE) Sri. Prasannakumar P K (ECE)	College of Engineering, Karunagapally

2	STTP - Mastering time management and developing Inter personal relationship 26 th to 28 th September 2013	Sri. Baby John (Administrative Office)	College of Engineering, Karunagapally
3	Workshop - Personality development and Capacity building 30 th to 31 st January 2014	Sri. Balachandran S (ECE) Sri. Baby John (Administrative Office)	ISTE – WPLP Cochin
4	STTP - Open Source Software for Research 11 th to 13 th March 2014.	Sri. Joseph Chandy (CSE)	RIT, Kottayam
5	STTP - Cyber Security 25 th to 29 th March 2014	Sri. Joseph Chandy (CSE)	RIT, Kottayam

E IIIC CELL ACTIVITIES

Expert Talks

Expert Lecture

- **“Industrial aspects of Gas Turbines”** delivered by **Mr. Rajith**, DGM (Gas Turbine division), and **Mr. Ramesh**, Manager (Maintenance) of RGCCP, NTPC, Kayamkulam on 17.07.2013.

Expert Lecture

- **“Gearing up for placements”** delivered by **Ms. Anushree**, Software Engineer, CTS Coimbatore and **Mr. Vivek**, Software Engineer CTS Cochin on 20.07.2013.

Expert Lecture

- **“Fundamentals of Communication Engineering for Freshers in Telecommunication Industry”** delivered by **Mr. Kannan**, JTO, BSNL, Trivandrum on 19.08.2013.

Expert Lecture

- **“Job prospects in Public Sector undertakings & Intoduction to Steel Industry”** delivered by **Mr George Varkey & Mayank Aggarwal**, SAIL on 19.12.2013.

Expert Lecture

- **“Server Administration and Virtualization”** delivered by **Mr Shyamlal T Pushpan**, Founder, Corona Institute of Technology, Kottayam and **Mr. Sajan Pappachan**, Co-founder & CEO Crevelabs, Kottayam on 25.02.2014

Industrial Visits

- Semester five students of EEE visited KEL Kochi and BSES Kochi on 20.08.2013.
- Semester Eight Students (B Batch) of ECE visited TELK, Angamaly on 22.02.2014.
- Semester four students (A batch) of ECE visited Doordarshan Kendra and Akashawani Thiruvananthapuram on 24.02.2014.
- Semester four students of EEE visited KEL Kundara and Keltron Thiruvananthapuram on 12.02.2014

MOU with Industry

<i>Sl no</i>	<i>Name of the firm</i>	<i>Date</i>	<i>Validity in years</i>
1	INFOSYS	03.04.2013	2
2	TECQUE SOLUTIONS PVT LTD	20.12.2013	5
3	NRI-TBI	20.12.2013	5
4	INNOVATION LAB	20.12.2013	5
5	RAYCAST TECHNOLOGIES	20.12.2013	5
6	SMARTGURUJI EDUCATIONAL SOLUTIONS	20.12.2013	5
7	MOBME PVT LTD	20.12.2013	5
8	FWD MEDIA PVT LTD	20.12.2013	5
9	SECTORQUBE TECHNOLABS PVT LTD	20.12.2013	5
10	WALRUS MARINE ENGINEERING PVT LTD	10.01.2014	5
11	FOUNDINGMINDS SOFTWARE PVT LTD	14.03.2014	5

F STUDENT DEVELOPMENT ACTIVITIES

Through TEQIP-II, many Training Programmes have been conducted for the benefit of students to enhance their subject knowledge, practical knowledge. Many programmes have been conducted to improve the skills needed for company placements

which include aptitude based trainings, communication skills and personality development programmes.

✿ An **Induction Programme** was conducted for *first year BTech students* on 12.08.2013. The BOG Chairman, Prof. T I Eldho addressed.

✿ An **Expert Talk** about “**Higher Education after B.Tech**” conducted by *Mr. John Jose, Asst. Prof., Rajagiri Institute of Technology, Kochi* to introduce the final year students to various career options on 23.07.2013.

✿ An **Expert Lecture** about “**Quantitative Aptitude**” was conducted to make the Final year students of Electronics & Communication Engineering confident on aptitude tests in placement drives from 27.08.2013 to 28.08.2013. The sessions were handled by *Joseph Jeejo Joseph, Surendra Kumar, Jinu Ephrem Jacob and Krishnakumar H (Aptitude Trainers with IMS Learning Resources)*.

✿ An **Expert Lecture about “Group Discussion & Interview”** was conducted to impart training in basic techniques in GD & interview on 01.09.2013. The sessions were handled by Sangeetha *Elizabeth Panicker, and Praveen Kumar (Soft Skill Trainer, SHARP SKILLS, Trivandrum)*.

✿ A **Training programme** named “**Soft Skill Training**” was conducted to improve soft skills for the final year students of all departments for the placement drives on 09.03.2014. The sessions were handled by *Sangeetha Elizabeth Panicker, Sreekala Narendranath and Praveen Kumar (Trainer, SHARP SKILLS, Trivandrum)*

G ACADEMIC SUPPORT PROGRAMMES

Weak students were identified and the subjects that the students feel difficult both in the current semester and the arrear subjects were identified and remedial classes were arranged through TEQIP-II as part of Academic Support Programmes for the benefit of students. This arrangement is done to improve the academic results and the list of such programmes is listed.

	<i>Dept</i>	<i>Name of the Subject</i>	<i>Total No of Beneficiaries</i>	<i>No of Hours Engaged</i>	
<i>REMEDIAL TUTORIAL/ BRIDGE COURSES CONDUCTED</i>	<i>CSE</i>	<i>CS 703 Advanced Computer Networking</i>	<i>7</i>	<i>5</i>	
		<i>CS 505 Database Management System</i>	<i>9</i>	<i>4</i>	
		<i>CS 502 System Programming</i>	<i>17</i>	<i>6</i>	
		<i>CS 1404 Automata Languages & Computation</i>	<i>20</i>	<i>9</i>	
	<i>EEE</i>	<i>EE 503 Field Theory</i>	<i>12</i>	<i>6</i>	
		<i>EE 403 Electrical Machines I</i>	<i>15</i>	<i>10</i>	
		<i>EE 1104 Engineering Mechanics</i>	<i>30</i>	<i>10</i>	
	<i>ECE</i>	<i>EC 1303 Network Theory</i>	<i>14</i>	<i>9</i>	
		<i>EC 1104 Engineering Mechanics</i>	<i>22</i>	<i>13</i>	
			<i>EC 1107 Basic Electrical Engineering & Electronics</i>	<i>16</i>	<i>6</i>
	<i>ME</i>	<i>ME 1403 Mechatronics</i>	<i>75</i>	<i>10</i>	
		<i>ME 1303 Mechanics of Solids</i>	<i>9</i>	<i>5</i>	
		<i>ME 1104 Engineering Mechanics</i>	<i>56</i>	<i>15</i>	
	<i>Combined for first year all branches</i>	<i>1109 Technical Communication</i>	<i>222</i>	<i>18</i>	
<i>1108 Computer programming</i>		<i>120</i>	<i>18</i>		

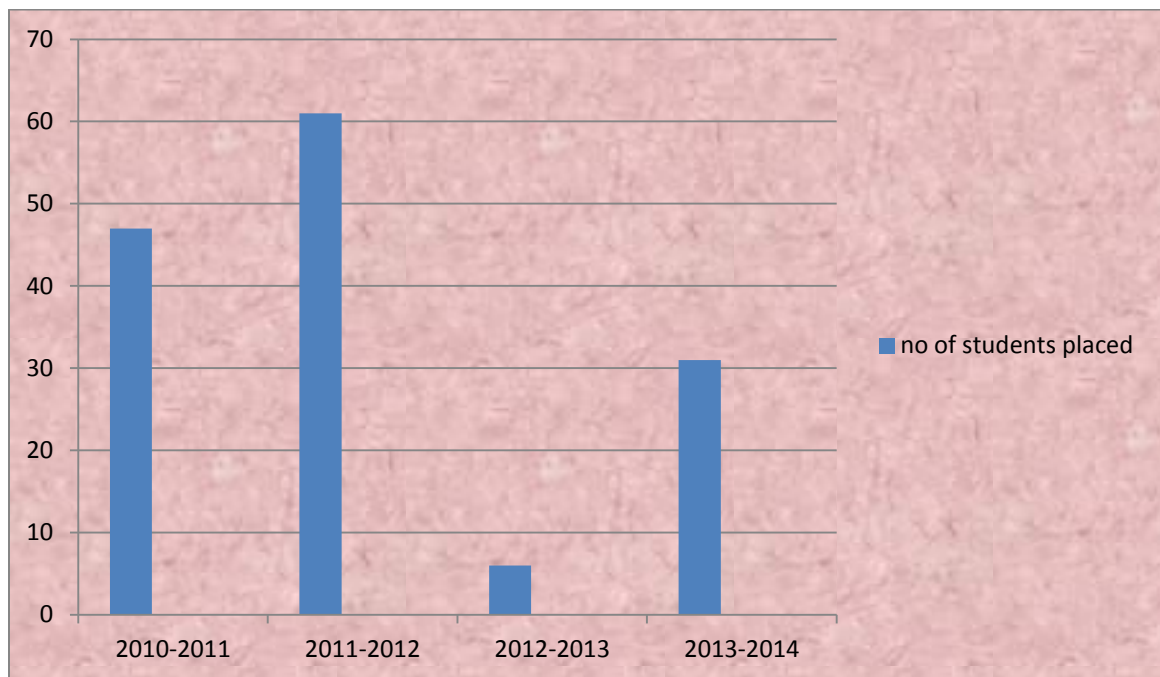
H EQUIPMENTS PURCHASED THROUGH TEQIP

<i>Sl.No</i>	<i>Name of the equipment(qty)</i>	<i>Location</i>	<i>Price (Rs)</i>
<i>1</i>	<i>3D Solid Modeling CAD software(1)</i>	<i>ME</i>	<i>2,75,000</i>
<i>2</i>	<i>ANSYS finite element analysis software(1)</i>	<i>ME</i>	<i>4,22,000</i>
<i>3</i>	<i>Microwave Simulation software(1)</i>	<i>ECE</i>	<i>7,00,000</i>
<i>4</i>	<i>OrCAD & PSPICE(1)</i>	<i>ECE</i>	<i>5,25,000</i>
<i>5</i>	<i>Tally software(1)</i>	<i>Institution</i>	<i>14,400</i>
<i>6</i>	<i>Currency Counting Machine(1)</i>	<i>Office</i>	<i>9,250</i>
<i>7</i>	<i>Multimedia Projector(21)</i>	<i>Institution</i>	<i>9,59,555</i>
<i>8</i>	<i>Diesel Generator Set(1)</i>	<i>ME</i>	<i>7,95,000</i>
<i>9</i>	<i>Digital Copier(9)</i>	<i>Institution</i>	<i>4,28,725</i>
<i>10</i>	<i>Air Conditioners(15)</i>	<i>Institution</i>	<i>5,97,976</i>
<i>11</i>	<i>Video Conferencing System(1)</i>	<i>Institution</i>	<i>5,03,107</i>
<i>12</i>	<i>BARCODE READER(2)</i>	<i>Library</i>	<i>7,100</i>
<i>13</i>	<i>Workstations(10)</i>	<i>ME</i>	<i>9,45,000</i>
<i>14</i>	<i>Peristaltic Pump(1)</i>	<i>ME</i>	<i>44,426</i>
<i>15</i>	<i>Ultrasonic Shaker(1)</i>	<i>ME</i>	<i>44,835</i>
<i>16</i>	<i>Electronic Weighing Machine(2)</i>	<i>Office & ME</i>	<i>39,949</i>
<i>17</i>	<i>Rotational Viscometer(1)</i>	<i>ME</i>	<i>5,71,320</i>
<i>18</i>	<i>Measurement Gadgets for FM & HM lab(17)</i>	<i>ME</i>	<i>30,457</i>
<i>19</i>	<i>Vernier Caliper with Fine Adjustment(12)</i>	<i>ME</i>	<i>52,556</i>
<i>20</i>	<i>Inverter(2)</i>	<i>Institution</i>	<i>50,632</i>
<i>21</i>	<i>Experimental Test rigs of Hydraulic Machines(3)</i>	<i>ME</i>	<i>3,70,400</i>
<i>22</i>	<i>Online UPS(5)</i>	<i>Institution</i>	<i>6,20,370</i>
<i>23</i>	<i>Power Quality Analyzer(2)</i>	<i>EEE</i>	<i>8,44,000</i>

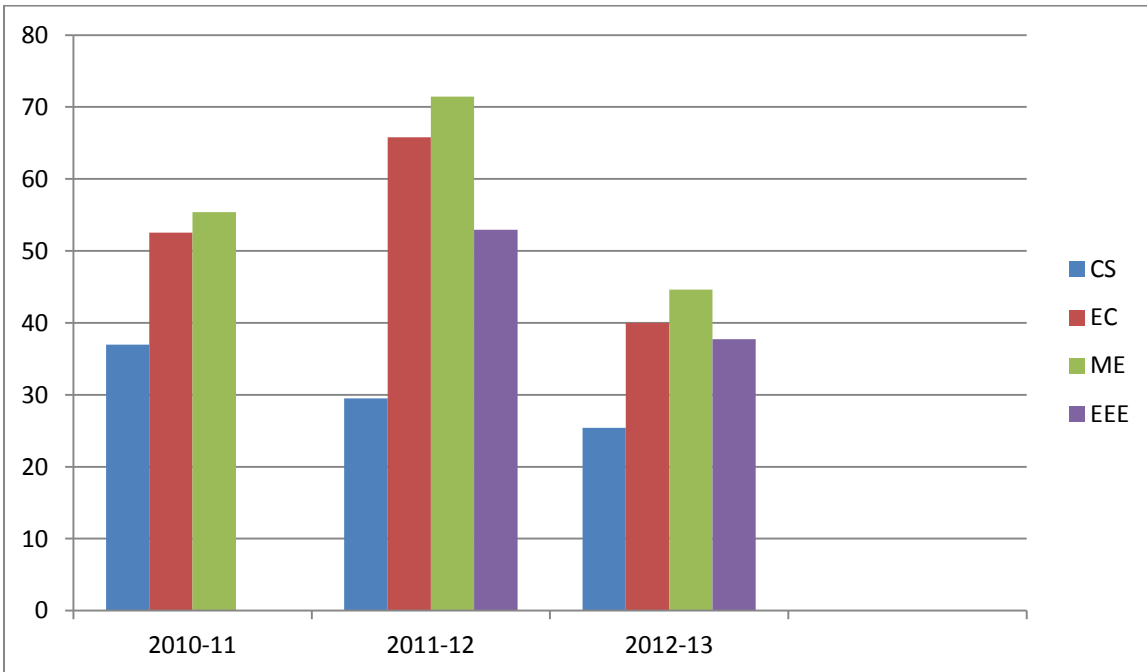
24	<i>Portable Surface Roughness tester(1)</i>	<i>ME</i>	<i>9,73,250</i>
25	<i>Transformers(36)</i>	<i>EEE</i>	<i>3,06,294</i>
26	<i>Power Supply(33)</i>	<i>ECE</i>	<i>1,31,681</i>
27	<i>Cathode ray Oscilloscope(18)</i>	<i>ECE& EEE</i>	<i>3,45,870</i>
28	<i>High Frequency Digital Storage Oscilloscope(12)</i>	<i>ECE& EEE</i>	<i>8,16,428</i>
29	<i>Function Generator(26)</i>	<i>ECE& EEE</i>	<i>3,60,570</i>
30	<i>Communication Trainer Kits(7)</i>	<i>ECE</i>	<i>98,775</i>
31	<i>Sliding Surface & Screw Cutting Lathe and Accessories(17)</i>	<i>ME</i>	<i>7,64,091</i>
32	<i>Spectrum Analyzer(1)</i>	<i>ECE</i>	<i>8,09,974</i>
33	<i>Hand Tools for Mechanical Workshop(39)</i>	<i>ME</i>	<i>1,16,835</i>
34	<i>8086 Microprocessor and Interfacing cards(27)</i>	<i>ECE</i>	<i>77,931</i>
35	<i>Insulation Tester(3)</i>	<i>EEE</i>	<i>2,10,376</i>
36	<i>DC – Motor Generator Set(1)</i>	<i>EEE</i>	<i>1,52,250</i>
37	<i>Heat and Mass Transfer Lab setups(6)</i>	<i>ME</i>	<i>3,42,255</i>
38	<i>IC Engine Setup for UG Thermal Lab(1)</i>	<i>ME</i>	<i>6,59,186</i>
39	<i>Flash and fire Point Apparatus(1)</i>	<i>ME</i>	<i>13,225</i>
40	<i>Induction Generator Setup(1)</i>	<i>EEE</i>	<i>1,18,448</i>
41	<i>Tool & Cutter Grinder(1)</i>	<i>ME</i>	<i>4,19,790</i>
42	<i>Microwave Test benches(4)</i>	<i>ECE</i>	<i>2,76,613</i>
43	<i>DC Regulated Power Supply(10)</i>	<i>EEE</i>	<i>6,21,699</i>
44	<i>Programmable Function Generator(5)</i>	<i>ECE& EEE</i>	<i>6,92,490</i>
45	<i>Smart Board(16)</i>	<i>Institution</i>	<i>4,93,416</i>
46	<i>J-gate e-journal package(1)</i>	<i>Library</i>	<i>67,416</i>
47	<i>ASTM e-journal package(1)</i>	<i>Library</i>	<i>71,500</i>
48	<i>Springer e-journal package (1)</i>	<i>Library</i>	<i>2,04,470</i>

49	ASME e-journal package(1)	Library	1,60,644
50	Elsevier e-journal package(1)	Library	4,52,498
51	IEEE e-journal package (1)	Library	3,76,200
52	MCGRAW HILL'S ACCESS Engineering(1)	Library	1,41,050
53	Office Furnitures(25)	Office	1,23,030
54	Furniture for Library(13)	Library	3,71,552
55	Drawing Board with stand(100)	Institution	1,42,500
56	Training Room Chairs(70)	Institution	5,06,100

I PLACEMENT PERCENTAGE



J TRANSITION RATE



I RESULT ANALYSIS

- ***Mr. RENJI KRISHNAN secured Second rank in CUSAT B.Tech Degree Examination 2014 in ME.***

