



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University Chennai)

K. R. Nagar, Kovilpatti-628503

**INTERNAL QUALITY ASSURANCE
CELL**

**ANNUAL QUALITY ASSURANCE
REPORT
2015 - 2016**

Submitted to

**National Assessment and Accreditation Council
Bangalore, India**

Certificate

This is to certify that the Annual Quality Assurance Report 2015 – 16 forwarded to the National Assessment and Accreditation council, Bangalore is compiled from the data collected from the official records and is true to the best of our knowledge and belief.

*K. M. — SL
8/07/16*
IQAC COORDINATOR
(Dr.K.Manisekar)

Shanmugavel
PRINCIPAL
(Dr.S.Shanmugavel)

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The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1 Name of the Institution

NATIONAL ENGINEERING COLLEGE

1.2 Address Line 1

K.R.NAGAR

Address Line 2

NALATTINPUATHUR (P.O.)

City/Town

KOVILPATTI

State

TAMILNADU

Pin Code

628 503

Institution e-mail address

principal@nec.edu.in

Contact Nos.

04632-222502, 230227, 222515

Name of the Head of the
Institution:

Dr.S.Shanmugavel

Tel. No. with STD Code:

04632-227441

Mobile:

9488702250

Name of the IQAC Co-ordinator:

Dr.K.Manisekar

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID

1.4 NAAC Executive Committee No. & Date:

1.5 Website address:

Web-link of the AQAR:

1.6 Accreditation Details

S. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.5	2014	5 Years

1.7 Date of Establishment of IQAC: DD/MM/YYYY

1.8 AQAR for the year

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

- AQAR 2014-15 submitted to NAAC on 25.06.2015.

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

ANNA UNIVERSITY, CHENNAI

1.12 Name of the Affiliating University (*for the Colleges*)

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)Business
Incubator-MSME

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

04

2.2 No. of Administrative/Technical staff

03

2.3 No. of students

02

2.4 No. of Management representatives

01

2.5 No. of Alumni

02

2.6 No. of any other stakeholder and
community representatives

01

2.7 No. of Employers/ Industrialists

01

2.8 No. of other External Experts

01

2.9 Total No. of members

15

2.10 No. of IQAC meetings held

02

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

CSE	<ol style="list-style-type: none"> 1) IEEE Information Theory Society Madras Chapter sponsored Two day National level workshop (ISMART) on “The Internet of Things and Smart Objects” on 18/02/2016 and 19/02/2016 for internal and external faculty members. 2) International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE’16) from 07/01/2016 to 09/01/2016 3) Department of Bio Technology (DBT) sponsored two days workshop on “Modern computing technologies on affective brain computer interface from 08/01/2016 to 09/01/2016 with internal and external students. 4) 2 days "Research Aspirants Meet" on 07/01/2016 and 08/01/2016 with internal students. 5) DBT sponsored seminar on cloud computing solutions for Genomics Analysis organized from 09.07.2015 to 10.07.2015 conducted for internal students, staff members and external students. 6) Technical Workshop on Linux from 11/12/2015 to 13/12/2015 for internal students. 7) Value Added courses “Technical Flavours of C and C++”, “Java Application Development”, “Business Intelligence Solution Development” and “Assembly Language Programming with Microprocessors” for internal students.
ECE	<ol style="list-style-type: none"> 1) A seven days Faculty Development Training Program(FDTP) approved by the Centre for Faculty Development, Anna University, Chennai was organised from 25.05.2015 to 1.06.2015 on “EC6502-Principles of DSP” with 8 internal and 12 external faculty members 2) A value added course on “Matlab for Signal/Image Processing” was conducted on 03.08.2015 for about 40 students from third year students 3) A three day workshop on “Hands on training NS-2” from 5.08.2015 to 7.08.2015 was conducted with 5 internal faculty members and 25 external faculty members. 4) A four week short term course on “NS-2” for the third year students from 16.10.2015 to 30.01.2016 was conducted.

	<ol style="list-style-type: none"> 5) A one month course on “Digital Design using HDL” was conducted from 27.07.2015 to 20.08.2015 with 29 students as participants. 6) A course on “Advanced Digital System Design using HDL” was conducted from 3.09.2015 to 5.09.2015 with 25 participants 7) A seven day Faculty Development Training Program (FDTP) approved by the Centre for Faculty Development, Anna University, Chennai was organised from 1.12.2015 to 8.12.2015 on “VLSI Design” with 5 internal and 25 external faculty members. 8) A seminar week was held between 17.08.2015 and 24.08.2015 for the second year students by faculty members on various topics - CAN bus, Real Time OS, Introduction to robotics, Elect Visual Display, IOT product design and Sensor Interfacing. 9) A course on “Introduction to ARM9 Programming Practice and RTOS” was organised for the third year students from 23.09.2015 and 3.10.2015 10) A “Basic Circuit Design Contest” was conducted for second year students on October 10, 2015 on design of simple application circuit. 11) Technical talk on “MEMS (Micro-Electro-Mechanical Systems) in RF field” was conducted for the third year students on 13.10.2015. 12) Technical talk on “Distributed MEMS Transmission Line Phase Shifters” was organised on 19.10.2015 for all the faculty members of Electronics and Communication Engineering Department. 13) Two days seminar on “Applications of Thermal Imaging” and Free Eye & Dental Medical Camp for students on 22.01.2016 and 23.01.2016 14) e-Yantra Lab Setup Initiative (eLSI) was organized on 15.10.2015 15) One Day seminar on “Sensor Networking & IOT” conducted on 09.01.2016.
EEE	<ol style="list-style-type: none"> 1) IEEE CIS sponsored Technical workshop on “Implementation of Soft Computing Techniques” ISCT '15 from 05.08.2015 to 07.08.2015 with 35 external faculties. 2) Hands on training on MATLAB toolboxes HTMT'16 conducted from 03.03.2016 & 04.03.2016 with 40 external faculties. 3) A national level technical symposium ALTANZIA 2k16 on 14.03.2016 with 40 external faculties. 4) National level conference ELCON 2k16 on 12.04.2016 with 35 external faculties. 5) Technical workshop “Training on basics of MATLAB” dated 04.07.2015, 08.08.2015 & 05.09.2015 with 20 students of Electrical and Electronics Engineering Department. 6) Technical paper presentation on 29.07.2015 with 47 students of Electrical and Electronics Engineering Department. 7) Technical Seminar on “Image processing enhancement” conducted on 01.08.2015 with 12 students of Electrical and Electronics Engineering Department. 8) Technical Seminar on “Energy conservation” dated 01.08.2015 with 26 students of Electrical and Electronics Engineering Department. 9) Technical seminar on “Introduction to TRMS” dated 01.08.2015 with 18 students of Electrical and Electronics Engineering Department. 10) Technical Workshop on “Java programming” on 03.08.2015 to 07.08.2015 with 20 students of Electrical and Electronics Engineering Department. 11) Hands on training in PLC programming, SCADA & HMI on 27.08.2015 to 29.08.2015 with 40 students of Electrical and Electronics Engineering Department. 12) Technical Workshop on “PCB preparation with software” dated 29.08.2015 with 20 students of Electrical and Electronics Engineering Department.

	<p>13) Technical Seminar on “Flashover performance on solid dielectrics” dated 05.09.2015 with 19 students of Electrical and Electronics Engineering Department.</p> <p>14) Technical seminar on “Introduction to power electronics in renewable energy sources” dated 05.09.2015 with 2 students of Electrical and Electronics Engineering Department.</p> <p>15) Technical seminar on “Genetic algorithm for engineering optimization problems” dated 05.09.2015 with 19 students of Electrical and Electronics Engineering Department.</p> <p>16) Technical Seminar on “Image processing enhancement” dated 05.09.2015 with 6 students of Electrical and Electronics Engineering Department.</p> <p>17) Technical Workshop on “Applications of digital circuits and interfacing measurement instruments using LABVIEW” dated 05.09.2015 & 19.09.2015 with 34 students of Electrical and Electronics Engineering Department.</p> <p>18) Technical Workshop on “MATLAB workshop on transmission and distribution” dated 05.09.2015, 19.09.2015, 30.01.2016 & 06.02.2016 with 20 students of Electrical and Electronics Engineering Department.</p> <p>19) Technical Workshop on “Introduction to COMSOL” dated 19.09.2015 & 06.02.2016 with 20 students of Electrical and Electronics Engineering Department.</p> <p>20) Technical Workshop on “Understanding the functions of CRO & DSO” dated 19.09.2015 with 30 students of Electrical and Electronics Engineering Department.</p> <p>21) Technical Seminar on “Fundamentals of liquid dielectrics” dated 10.10.2015 with 31 students of Electrical and Electronics Engineering Department.</p> <p>22) Technical Seminar on “Introduction to power system restructuring & Voltage stability in power system” dated 10.10.2015 with 19 students of Electrical and Electronics Engineering Department.</p> <p>23) Technical Workshop on “Implementation of genetic algorithm using MATLAB” dated 10.10.2015 with 15 students of Electrical and Electronics Engineering Department.</p> <p>24) Hands on training on electrical maintenance dated 09.12.2015 to 11.12.2015 with 15 students of Electrical and Electronics Engineering Department.</p> <p>25) Technical Seminar on “Role of antioxidants” dated 30.01.2016 with 22 students of Electrical and Electronics Engineering Department.</p> <p>26) Technical Seminar on “Modern power electronic drives” dated 30.01.2016 with 3 students of Electrical and Electronics Engineering Department.</p> <p>27) Technical Seminar on “Development of 1200kv transmission system in India” dated 30.01.2016 with 18 students of Electrical and Electronics Engineering Department.</p> <p>28) Technical Workshop on “Stand – alone solar photovoltaic charging system and its power converter design using MATLAB” dated 30.01.2016, 05.03.2016 & 19.03.2016 with 20 students of Electrical and Electronics Engineering Department.</p> <p>29) Technical Workshop on “Design of electronic circuits using FPGA” dated 30.01.2016, 06.02.2016, 05.03.2016 & 19.03.2016 with 22 students of Electrical and Electronics Engineering Department.</p> <p>30) Technical Workshop on “Simulation of PIC Microcontroller applications using proteus software and hardware implementation” dated 30.01.2016, 06.02.2016, 05.03.2016 & 19.03.2016 with 23 students of Electrical and Electronics Engineering Department.</p> <p>31) Technical Workshop on “Home based appliances installation servicing” dated 06.02.2016 with 20 students of Electrical and Electronics Engineering Department.</p>
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	32) Technical Workshop on “Simple android development using app inventor” dated 09.03.2016 with 30 students of Electrical and Electronics Engineering Department.
EIE	<ol style="list-style-type: none"> 1) One day workshop on “IPR and Patents” conducted with the Dr.M.Kanthababu, Director Centre for Intellectual Property Rights, Anna University, Chennai for our faculty members on 07.11.2015. 2) Three days workshop on “Formulation of Research & Development Grant Proposals by Scientists and Technologists (FRDGP ‘15)” during 18.11.2015 to 20.11.2015, Chief Guest : Dr.S.K.Pattanaik, Director, All India Council for Technical Education, New Delhi with internal faculty members. 3) Three day hands on training on Embedded System Design Using PIC Microcontroller for 3rd Year EIE students by IELEC Systems, Tirunelveli from 30.07.2015 to 01.08.2015 with internal students. 4) One day workshop on “Industrial Automation” for Final Year Students of circuit branches on 07.08.2015 with internal students. 5) One day hands on training program on “Industrial Automation” using programmable logic controller (PLC) during 02.04.2016 with internal students. 6) One day workshop on “Automation in Oil and Gas industry” on 24.03.2016 with internal students. 7) A two day hands on training on “Industrial Automation” using programmable logic controller (PLC) to the inter college students by control and automation domain of Electronics and Instrumentation Engineering Department during 15.03.2016 & 16.03.2016.
IT	<ol style="list-style-type: none"> 1) Two days Hands on Training on Embedded System Design using ARM & PIC Microcontroller for 44 students from EEE, CSE and IT department. 2) Workshop on Data Mining for 35 students from Second and third year IT. 3) Workshop on Internet of Things (IOT) with 20 students from our college and 30 students from other colleges. 4) Workshop on Big data Analytics with 31 students from our college. 5) National Level Technical Symposium on NECSI’15- TECHNOVANZA organized by CSI Students’ Chapter with 30 students from our college. 6) IGNITE’16-National Level Technical Symposium organized by ITA Association with 110 students from various colleges. 7) Phoenix’16-conducted by final year students for second year and third year IT department students 8) National Level Technical Symposium on NECSI’16- Big data and hadoop workshop organized by CSI Students’ Chapter with 45 students from various colleges.
MECH	<ol style="list-style-type: none"> 1) Faculty Development Programme on “Advanced CATIA modeling (CATIA V5 modeling)”, by Adroit CAD solution, Chennai dated 11.02.2015 & 12.02.2015 with internal and external faculty members. 2) Teaching learning process workshop on “Active and Blended Teaching”, by Dr.A.Arokiarajan, Professor, Department of Applied Mechanics, IIT Madras dated 13.06.2015 with internal faculty members. 3) Workshop on “CDIO – an overview” by Dr.K.Kalidasa Murugavel dated 04.07.2015 with internal faculty members. 4) Technical Symposium on “YUGNA X ‘15” with 800 participants., dated 01.09.2015 to 10.09.2015

	<ol style="list-style-type: none"> 5) Society of Automobile Engineering organized symposium on “ARCUEZ ‘16”, dated 04.02.2016 to 06.02.2016 with 1000 participants. 6) MNRE sponsored seminar on “Solar Photovoltaic & thermal energy – a state of art technology for rural development” , dated 11.03.2016 with the participants as Internal staff, students and other college students 7) National Level conference on “RAIME ‘16” with the participants as Internal staff, students and other college students dated 01.04.2016
CIVIL	<ol style="list-style-type: none"> 1) One day National Level technical Symposium, Chiselz 2k16 around 200 participants from other Engineering colleges/universities all over India attended the program 2) One day National Level Workshop on Geographic Information System (GIS) around 50 participants from other Engineering colleges/Universities all over India attended the program 3) One day National Level Workshop on Total Station around 50 participants from other Engineering colleges/Universities all over India attended the program 4) A technical session handled by Dr.S.ArulJayachandran, Asso.Prof/ IIT Madras to the students on Steel Concrete Composite structures. Around 200 students from II, III,IV year Civil Engineering Students from NEC Attended the program 5) A technical session handled by Dr.S.ArulJayachandran, Asso. Prof/ IIT Madras to the staff on Teaching Learning Methodologies. 12 staffs from Civil Department of NEC and 10 staff from Mechanical department of NEC were participants 6) A technical session handled by Dr.S.ArulJayachandran, Asso. Prof/ IIT Madras to students on Higher Studies. Around 200 students from II, III, IV year Civil Engineering Students from NEC Attended the program.

2.14 Significant Activities and contributions made by IQAC

<ul style="list-style-type: none"> • The IQAC formulates plans for various academic and non-academic activities. • The IQAC has taken efforts to establish entrepreneur cell and Business Incubator to inculcate entrepreneurial skill among the students • The outcomes of various academic and non-academic activities are discussed for improving the system of the quality assurance. • Interaction with Heads and faculties of each and every department for maintaining and sustaining quality education as directed by IQAC
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2.15 Plan of Action by IQAC/Outcome

Plan of Action	Achievements
i. To equip all the class rooms with smart board and wi-fi connection	Entire campus has been equipped with wi-fi connectivity and efforts have been taken to provide projectors in all the class rooms as soon as possible.
ii. To put emphasis on Model based learning with specific outcome	Faculties are insisted to practice model based teaching to attain the required outcome
iii. To put cross disciplinary academic audit between similar departments	Has been achieved

iv. To encourage National and International live classes, webinars and other ICT based learning like ICTE, QEEE, NMEICT programmes hosted by MHRD-IIT	1070 students registered NPTEL online courses (20 Hours courses & 40 hours courses) and have cracked the exam with good marks.
v. To continue trend of hosting International conference like previous consecutive two years	Achieved (An International conference has been organized by Computer Science and Engineering Department)
vi. Status verification of research supervision by the empanelled faculty members	A Research Committee has been constituted to periodically monitor the progress and quality of Research activities.
vii. To open up knowledge Incubation centre.	Efforts have been taken to establish knowledge incubation centre.
viii. To enhance more patenting of technologies	Every year it has been decided to file at least one patent. This year one patent was filed by the Department of Mechanical Engineering collaborating with M/s. Apex Design Centre, Coimbatore.
ix. Faculties to be exposed to online courses like MOOC, NPTEL etc	Faculties registered for research based online courses in NPTEL to enlighten their skill
x. To sustain Green campus	Eco club was formed to create awareness on sustainable and clean environment.
xi. To conduct Energy & Waste audit	Periodic energy audit has been carried out. CFL replaced by LED Solar Lamps etc
xii. To harvest rain water	Already existing
xiii. More Institute-Industry interaction	MOUs have been signed with National/International Institutes and National/International Industries.
xiv. 100% student placement	Training and Placement cell is on its way to reach 100% placement through number of effective trainings and bringing more number of core and software Industries to the campus; number of placed students in the academic year 2015-16 are 19.4 % higher than that of the previous academic year; among the eligible candidates, 73.6% of students got placed in the academic year 2015-16; its percentage will surely increase in this academic year.
xv. Atleast 1 research paper in reputed journal by individual faculty in a year	All the faculty members are insisted to achieve this task; it is hoped to reach the same in the forthcoming academic year.
xvi. Make 50% of faculty members to have funded project	Has not been achieved so far.
xvii. Workshop on non-major elective courses	Many workshops on various non major elective courses have been organized.
xviii. To arrange faculty training in subject domain	More than two Faculty Development Training programs per department have been conducted in the academic year 2015-16.
xix. HRD programme for non-teaching staff	HRD programs were organized periodically to improve technical and non technical skills and the individual performance of non teaching staff members periodically.

** Attach the Academic Calendar of the year as Annexure-I.*

2.16 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

- 1) The IQAC meets and discusses various matters relating to curriculum changes and developments to the current needs.
- 2) It also reviewed the progress made on the achievements of the previous plans.
- 3) Plan to provide opportunity for research development by organizing research meetings in various disciplines.
- 4) Placement cell has been strengthened to provide career guidance to the students by arranging training programmes.
- 5) Entrepreneurship Development awareness programs and activities have been performed.
- 6) Eight project works have been submitted to MSME for getting fund.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	---	---	---	---
PG	09	---	09	---
UG	07	---	07	---
PG Diploma	---	---	---	---
Advanced Diploma	---	---	---	---
Diploma	---	---	---	---
Certificate	---	---	---	---
Others	---	---	---	---
Total	16	---	16	---

Interdisciplinary	---	---	---	---
Innovative	---	---	---	---

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / ~~Open options~~

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	16
Trimester	---
Annual	---

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

*Analysis of the feedback are given in Annexure-III

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- ❖ As per the requirement of industries and feedback of the stakeholders, the curriculum and syllabi of individual programmes have been revised in Regulation 2015.
- ❖ Outcome Based Education System (OBE) and Choice based credit system (CBCS) have been introduced in the forthcoming semesters.
- ❖ One credit courses has been introduced in 2015 curriculum to enrich the cocurricular skills of the students.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

- ❖ Product Development Centre has been established in Mechanical Engineering Department. (Conceive, Design, Implement and Operate Laboratory)
- ❖ M/s SUM TWO Software (P) Ltd has been established in Technobation Centre at CSE Department.

Criterion – II**2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	213	173	20	20	--

2.2 No. of permanent faculty with Ph.D.

37

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
31	---	---	---	---	---	---	---	31	---

2.4 No. of Guest and Visiting faculty and Temporary faculty

3

2.5 Faculty participation in conferences and symposia:

Dept.	International level			National level			State level		
	Attended	Presented papers	Resource Persons	Attended	Presented papers	Resource Persons	Attended	Presented papers	Resource Persons
CSE	10	10	4	-	-	-	-	-	-
ECE	-	16	-	-	2	2	-	-	6
EEE	16	4	-	2	-	5	-	-	-
EIE	-	6	-	-	-	4	-	-	-
IT	-	6	1	-	7	-	-	-	-
MECH	2	2	-	5	-	-	3	-	-
CIVIL	8	8	-	7	7	-	-	-	-

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- i. Curriculum and syllabus updation based on Outcome Based Education.
- ii. Continuous assessment methods have been followed to calculate the CO attainments of each individual student.
- iii. Introduced Choice Based Credit System (CBCS) in the curriculum of Regulation 2015.
- iv. One credit courses have been introduced in the curriculum 2015; three one credit courses can be replaced by one three credit course.
- v. Continuous evaluation methods followed with the use of IT gadgets during teaching and learning.
- vi. NPTEL videos are also utilized for demonstration.
- vii. Use of interactive leaning and problem solving methodologies.
- viii. Use of e-learning resources.
- ix. Creation of learning environment in classes which induces critical thinking, creativity and scientific temper.
- x. Project and field experiences are compulsory part of courses.

2.7 Total No. of actual teaching days during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- i. Photocopy of the papers have been issued to the students for applying revaluation.
- ii. Five unit tests have been conducted for each subject to attain corresponding COs.
- iii. Open book examinations at class rooms have been conducted for one or two courses in every semester in all the programmes.
- iv. Five different types of question patterns have been introduced in 2015 curriculum based on the type of subjects.

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

93	17	7
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2.10 Average percentage of attendance of students

93.35 %

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.E. Manufacturing Engineering	4	25	75	---	---	100

M.E. Energy Engineering	6	33.33	66.67	---	---	100
M.E. Communication Systems	18	22.22	77.77	-	-	100
M.E. Computer Science and Engineering	16	18.75	81.25	-	-	100
M.E. Computer and Communication	16	31.25	68.75	---	---	100
M.E. High Voltage Engineering	17	17.65	82.35	---	---	100
M.E. Control & Instrumentation	18	22.22	77.77	-	-	100
M.E. Embedded System Technologies	13	15.38	84.61	-	-	100
M.C.A. Master of Computer Applications	59	13.55	77.96	06.78	-	98.3
Mechanical Engineering	147	39.5	42.2	9.5	-	83.33
Electronics and Communication Engineering	143	43.35	46.15	-	-	89.51
Computer Science and Engineering	147	36.05	47.62	-	-	84.35
Electrical and Electronics Engineering	143	43.36	48.25	---	---	91.6
Electronics and Instrumentation Engineering	72	31.94	58.33	-	-	90.27
Information Technology	71	40.84	43.66	-	---	84.50

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- i. Bloom's Spaddy software is used for the calculation of course outcome attainment of individual students.
- ii. Mapping of course outcomes with program outcomes is also evaluated using Bloom's Spaddy software.
- iii. Pre-Course and End-Course Survey are carried out to evaluate the teaching & learning processes.
- iv. Teaching and learning processes are monitored by academic audit cell and academic advisory committee in continuous manner.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	38
UGC – Faculty Improvement Programme	-
HRD programmes	12
Orientation programmes	24
Faculty exchange programme	-
Staff training conducted by the university	15
Staff training conducted by other institutions	66
Summer / Winter schools, Workshops, etc.	112
Others (Technical Workshop by INFOSYS)	27

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	86	---	---	---
Technical Staff	94	---	---	---

Criterion – III**3. Research, Consultancy and Extension**

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- i. Faculties are encouraged by providing incentives for research papers publications in reputed journals
- ii. Faculties are motivated on doing Government funded minor research projects
- iii. Addressing various research schemes to the faculties through Research and Development Section
- iv. Persuading to make provision of seed funding to activities like conferences, seminars, workshops, FDP, etc

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	9	8	1	3
Outlay in Rs. Lakhs	150.16	200.96	24.41	

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	-	-	10
Outlay in Rs. Lakhs	0.35	-	-	

3.4 Details on research publications

	International	National	Others
Peer Review Journals	72	1	--
Non-Peer Review Journals	29	--	--
e-Journals	--	--	--
Conference proceedings	64	9	--

3.5 Details on Impact factor of publications:

Range	0.358 to 7	Average	1.4848
h-index	33.25	Nos. in SCOPUS	61

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

<i>Name of the project</i>	<i>Sponsoring agency</i>	<i>Amount sanctioned (in lakhs)</i>	<i>Amount released (in lakhs)</i>	<i>Duration in years From - To</i>
Optimization of grain size for improving fatigue strength of 304 Hcu	BRNS	33.52	34.03	2014 - 17
Labview Integrated Performance Monitoring and Analyzing Energy Data of Co-Located PV Power Plants with Different Technologies	AICTE/ RPS	12.50	12.16	2013-16
Experimental Study on Solar Steam Generation System with Compressed Water Thermal Energy Storage System	DST / SERI	42.88	24.96	2014-16
Fully Automated Coconut harvesting Machine	DST (TDT)	22.41	10.81	2015-18
Tuning of Nonlinear PID Controllers for TRMS using Evolutionary Algorithms	AICTE	9.75	9.75	2013-16
Molecular design, Chemical synthesis and biological evolution of Zinc and Vanadium complexes	CSIR	11.45	6.73	2013 - 16
Syntheses of novel bifunctional chelating agents and biomolecule - BPCA conjugates for complexation with copper, rhenium, gallium, technetium and lutetium radionuclide's for possible applications in radiopharmaceutical applications	BRNS (DAE)	24.25	20.13	2014 - 17
Synthesis, Structural Characterization, Stability and Chemical nuclease activity of some Cu(II) and Zn(II) complexes containing imidazole and pyridine	DST	44.25	23.07	2015 - 18
Spatial Distribution of Uraninan and associated water quality parameters in 5 Districts of Tamil Nadu	BRNS (DAE)	25.24	18.37	2015 - 17

3.7 No. of books published i) With ISBN No.

978-81-322-2119-7

Chapters in Edited Books

01

ii) Without ISBN No.

--

3.8 No. of University Departments receiving funds from

UGC-SAP	<input type="text" value="--"/>	CAS	<input type="text" value="--"/>	DST-FIST	<input type="text" value="--"/>
DPE	<input type="text" value="--"/>			DBT Scheme/funds	<input type="text" value="--"/>

3.9 For colleges

Autonomy	<input type="text" value="--"/>	CPE	<input type="text" value="--"/>	DBT Star Scheme	<input type="text" value="--"/>
INSPIRE	<input type="text" value="--"/>	CE	<input type="text" value="--"/>	Any Other (specify)	<input type="text" value="--"/>

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the
Institution

Level	International	National	State	University	College
Number	1	3	-	-	1
Sponsoring agencies	TCS, BRNS, ISRO, IEEE(CS)	CSI Student's Chapter, NEC	-	-	NEC

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations

International

National

Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency

From Management of University/College

Total

3.16 No. of patents received this year: One patent has been filed in Mechanical Engineering Department.

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
6	2	---	---	---	2	2

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level International level

3.22 No. of students participated in NCC events:

University level State level

National level International level

3.23 No. of Awards won in NSS:

University level State level

National level International level

3.24 No. of Awards won in NCC:

University level State level

National level International level

3.25 No. of Extension activities organized

University forum College forum
 NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Through NCC

- i. 150 KM Cycle Rally – **“Kill Juliflora Save Eco System”**
- ii. Govt. Primary Health Care – Polio Drops Camp
- iii. H1N1 Awareness Programme
- iv. Water Conservation Awareness Program
- v. Engineer’s Day Celebration
- vi. Swatch Bharath
- vii. Road Safety Rally
- viii. NCC Marathon at NCC Unit, Tirunelveli

Through Clubs

- i. Blood donation camp
- ii. Eye checking camp
- iii. Medical Camp for free medical checkup
- iv. Trekking Camp (Adventurous)
- v. Water conservation week
- vi. Energy conservation meetings
- vii. Drawing exhibition for creating awareness about water conservation

Criterion – IV**4. Infrastructure and Learning Resources**

Facilities		Existing	Newly created	Source of Fund	Total
Campus area in Sq. meter	Total area	---			4,93,950
	Built-up area	70816.00	1163.79	Fund from Institution	71979.79
Class rooms in nos.		86	3		89
Laboratories in nos.		59	1		60
Seminar Halls in nos.		7	-		7
No. of important equipments purchased (\geq 1-0 lakh) during the current year.		130	58		188
Value of the equipment purchased during the year (Rs. in Lakhs)		111.11	96.72		207.83
Others		---	---		---

4.2 Computerization of administration and library

- | |
|---|
| <ul style="list-style-type: none"> i. Use of ERP system for student attendance and assessment marks entry. ii. Use of Bloom's Spady software for the evaluation of internal marks and attainment of course & program outcomes. iii. Use of OPAC software in library. iv. Use of computers and data storage in all administration & library sections. v. Use of Bio-metric finger print system for faculty attendance. vi. Use of Tally software for account maintenance. vii. Online feedback from students viii. Online receipt of applications for staff recruitment ix. Online submission of appraisal forms by faculty |
|---|

4.3 Library services:

Categories		Existing		Newly Added		Total	
		No.	Value	No.	Value	No.	Value
Books	Text Books	53487	1,58,02,480.00	1988	8,80,276.00	55475	1,66,82,756.00
	Reference Books	993	-	-	-	993	-
e-Books		765	-	110	-	875	-
Journals		114	4,06,649.00	166	6,43,085.00	166	6,43,085.00
e-Journals	IEEE	145	3,89,025.00	145	4,39,322.00	145	4,39,322.00
	Science Direct	275	4,90,945.00	275	5,52,791.00	275	5,52,791.00
Digital Database	Question Bank	Since 2012					

CD & Video	NPTEL Video	4 TB	-	-	-	4 TB	-
	Spoken Tutorial CDs	6 nos.	-	-	-	6 nos.	-
	Text Book CDs	2995	-	40	-	3035	-
Others (specify)	DELNET Since 2009 (Inter Library Loan & Document Delivery Services)						
	Spoken Tutorial Project Workshops by IIT Bombay						

4.4 Technology up gradation (overall)

	Total Computers	Internet
Existing	1207	161 MBPS
Added	162	
Total	1369	
System-Students' Ratio - 1 : 2.3		

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- SIG (Special interest groups) was formed in each department.
- Workshop on Outcome Based Education was attended by our faculty members.
- Eight senior faculties were deputed to attend 3rd world Summit Accreditation held at New Delhi.
- Smart Class Room Training for Faculty
- ERP Training for Faculty
- Online Aptitude Training for I Year Students
- A training programme on Fundamental of PCB
- Technical seminar in Industrial Networks and Industrial Automation.
- Industry Institute Interaction Programme
- Entrepreneurship motivational programme
- Field Instrument study programme
- Business English Certificate course (BEC) Training for students
- Personal computer is provided to each faculty members up to the level of Assistant Professor (SG).
- Internet facility is offered to all students and faculty members from morning 09:00AM to 06:30PM

4.6 Amount spent on maintenance in lakhs:

i) ICT	97.20 Lakhs
ii) Campus Infrastructure and facilities	306.96 Lakhs
iii) Equipments	38.16 Lakhs
iv) Others	16.23 Lakhs
Total	458.55 Lakhs

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- | |
|--|
| <ul style="list-style-type: none"> i. Soft skill training & placement assistance through alumni. ii. Training/coaching for students to appear in qualifying examinations of public service sectors and higher studies. iii. Health centre facility. iv. Dr.S.Kannappan Memorial Scholarship for academically excellent & financially poor student. v. Prizes to academically excellent students by alumni association. vi. Student motivation through video conferencing by alumnus. vii. Parent – teacher meeting was organized for the benefit of the student’s career development. viii. Mentoring is actively practiced. ix. Open Elective courses have been introduced to motivate the students. |
|--|

5.2 Efforts made by the institution for tracking the progression

- | |
|---|
| <ul style="list-style-type: none"> i. Establishing Alumni chapters in National/International levels at various cities. ii. Transparent admission procedure. iii. Highlighting achievements of students in College newsletters and news papers. iv. Conducting PTA meeting and informing them on the progress of their children. v. A mentor is allocated for a batch of 20 students in each programme to monitor and counsel the students’ progress in academic as well as extra-curricular activities vi. Getting students/ stakeholder’s feedback for the development of Institution in |
|---|

5.3 (a) Total Number of students

3032

(b) No. of students outside the state

--

(c) No. of international students

--

Men	No	%	Women	No	%
	1544	51.09		1478	48.91

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
681	320	7	1987	2	2997	620	314	4	2094	-	3032

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

i.	Soft skill training by professionals
ii.	Inter/Intra college symposiums thro' department associations
iii.	Special Training Program on new Technology thro' various clubs
iv.	BEC course
v.	Gate coaching classes
vi.	Career Development program
vii.	GATE Forum
viii.	Regular GATE coaching classes conducted in evening.
ix.	Aptitude classes conducted for placement by experts from external organizations.
x.	SIG-Special Coaching classes
xi.	The students are given coaching for IAS/ IPS Examination through NEC IAS ACADEMY.
xii.	Aptitude training was given to around 330 students in order to appear for competitive exams, higher studies, etc...

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET	<input type="text" value="--"/>	SET/SLET	<input type="text" value="--"/>	GATE	<input type="text" value="7"/>	CAT/MAT	<input type="text" value="4"/>
IAS/IPS etc	<input type="text" value="--"/>	State PSC	<input type="text" value="--"/>	UPSC	<input type="text" value="1"/>	Others	<input type="text" value="4"/>

5.6 Details of student counselling and career guidance

i.	Student mentor system to counsel and guide the students
ii.	Training and placement cell for their career settlement
iii.	Competency Development cell and Entrepreneurship development cell
iv.	Technical orientation programme for I year students
v.	Moreover many career guidance programmes are provided by industrial experts.
vi.	Aptitude Training Programme to enhance the problem solving skills of students
vii.	BEC Course to improve the communication skills of students
viii.	GATE and CAT Coaching for student's higher studies

- ix. IES Training for student's career guidance
- x. NEC IAS Academy for IAS examination coaching
- xi. Student Counselling on Ethics and Social Development
- xii. Organized yoga programmes to improve the self confidence of students
- xiii. Organized National level Seminars and Conferences for students to do the Research and projects in the fields: Natural Language Processing, Image Processing, Networking, Data Mining, Network Security and Cloud Computing, GATE IN, PLASTAN, SIG

No. of students benefited

1957

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
42	604	360	85

5.8 Details of gender sensitization programmes

- i. Women empowerment cell is constituted
- ii. Women's day is celebrated in the campus
- iii. Free medical camps are organized by ECE department to diagnose breast cancer

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level

227

National level

--

International level

--

No. of students participated in cultural events

State/ University level

46

National level

--

International level

--

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level

31

National level

--

International level

--

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount (Rs)
Financial support from institution	3	1,35,000
Financial support from government	852	1,59,21,075
Financial support from other sources	44	2,87,000
Number of students who received International/ National recognitions	---	---

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

- Students Grievances redressal forum was established to address the students issues then and there.
- No major complaints have been received so far.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: Transforming lives through quality education and research with human values.
Mission: To maintain the standard of Excellence by simulating the process of continual improvement in Technical Education.

6.2 Does the Institution has a Management Information System

Yes in process.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

1. In 2011 regulation, we have followed Anna University Curriculum and Syllabi
2. In 2013 regulation the curricula & syllabi are based on OBE and Industrial requirement
3. Now in 2015 the curricula and syllabi are designed based on CBCS & OBE which calls for flexible student centric teaching learning process
 - i. This facilitates transfer of credits earned in different departments/Centres /accredited universities/higher education Institution and abroad either by studying directly or by online method
 - ii. The course content of each course is fixed in accordance with the Program Educational objectives (PEOs),Program Outcomes(POs) and Course outcomes (COs)
 - iii. More emphasis is given to support core courses with practical courses in the same semester
 - iv. Industry oriented courses are handled by the Industry Experts
 - v. Provision to include more industrial courses and latest developments in domain areas through one credit course
 - vi. To motivate the students to become an Entrepreneur, courses like Design and Development of product & Product development laboratory have included in the regular curriculum
 - vii. To enhance employability skills the courses like internship/Industrial training/Industrial projects/product development laboratories have been introduced

6.3.2 Teaching and Learning

- i. Implementation of outcome based education.
 - a. Educating the students for OBE.
 - b. Defining course outcomes to meet out program outcomes.
 - c. Identifying content delivery method.
 - d. Assessing the students using various evaluation techniques for the attainment of course outcomes.
- ii. ICT method of teaching is followed
- iii. Live-demos of working models using you tube
- iv. Readings and discussions of state-of-the-art literature
- v. Academic research
- vi. Guest lecturers
- vii. Case studies seminars
- viii. Intensive courses
- ix. Discussion with groups
- x. Field trips and lab lectures
- xi. Mentoring
- xii. Tutorial teaching

6.3.3 Examination and Evaluation

- i. Evaluation of marks comprises of Internal marks through continuous assessment and external marks scored in End Semester Examination.
- ii. Continuous Assessment Tests are carried out by respective departments and End Semester Examinations are conducted by the office of the Controller of Examinations.
- iii. Both the marks in the continuous assessment and End Semester Examinations are considered while declaring the results.
- iv. Mentor system is introduced to evaluate the progress of the students throughout the programme
- v. Automation of the examination cell to ensure timely declaration of results to keep the academic calendar on schedule.
- vi. Dummy number system has been followed in Semester exam valuation to keep the honesty in valuation.

6.3.4 Research and Development

- i. Every program has separate research centre approved by Anna University
- ii. Research committee has been constituted for inculcating research atmosphere and to review the progress of research activities in the campus
- iii. Incentives for research publications and research projects are provided
- iv. A significant percentage of the total budget is earmarked for research. The College has been continuously augmenting infrastructure for facilitating research in the campus.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- i. Every year Central library is added with
 - a. Thousands of books that worth Rs. 5 to 10 Lakhs.
 - b. 209 Journals subscriptions that worth Rs. 4,06,649/-
 - c. E-Journals to the worth of Rs. 8,79,970/-
- ii. Books exhibition is arranged every year thro' vendors at campus to identify the quality books
- iii. Central library and department libraries are equipped with Air-conditioner
- iv. OPAC Software is provided for personal assistance to each and every user while accessing the library books
- v. Every department has individual smart class room that worth Rs. 2 Lakhs
- vi. Every department has individual air-conditioned seminar hall with LCD projector, system with internet connection

6.3.6 Human Resource Management

- i. In the institution, the process of assessing adequate human power requirements, staff recruiting, monitoring and planning professional development programmes for personnel development and seeking appropriate feedback responses are very good.
- ii. Recruitment of faculty and staff are based on the guidelines provided by Anna University and AICTE, New Delhi.
- iii. There are many staff welfare schemes namely EPF, Group insurance and Accidental policy
- iv. ERP Biometric system is introduced for all the administrative modules of the institution.
- v. Sponsorship of Higher Studies for Faculties
- vi. Organizing Developmental training programme and workshops/seminars for enhancing the multi-skills of faculties.
- vii. Incentives are given to the Faculties for their contribution in research.
- viii. Effective appraisal system has been followed to assess the performance of faculties.

6.3.7 Faculty and Staff recruitment

- i. Advertising the requirement of staffs in the Leading daily newspapers.
- ii. Scrutinizing of online Applications as per the college norms.
- iii. Conducting Interview in the presence of External Experts and University Nominees.
- iv. Selection of Candidates as per the norms of staff selection committee.

6.3.8 Industry Interaction / Collaboration

COLLABORATION WITH NATIONAL/INTERNATIONAL INSTITUTES / INDUSTRIES

The Institute has collaboration with the following institutes of repute at both national and International level,

- Indira Gandhi Centre for Atomic Research, Kalpakkam (IGCAR)
- M/s Electro solutions Private Limited, Bangalore.
- M/s Beta Technologies, Coimbatore.
- M/s Edgate Technologies, University Partner of Texas Instruments, Bangalore
- M/s Electrono Solutions, for DST funded project
- Department of Chemistry, University of Pitesti, Romania.
- Department of Pharmacy, School of Health Sciences, Kwazulu Natal University, Durban, South Africa.
- Department of chemistry, Munich University, Germany.
- Vinca institute of Nuclear Science, Serbia.
- Anti-Cancer Drug Screening Facility (ACDSF) Tata Memorial Centre, Sector-22, Kharghar, Navi Mumbai.
- Sophisticated Test & Instrumentation Centre, Cochin University of Science and Technology (CUSAT), Cochin, Kerala.
- SAIF, Indian Institute of Technology-Bombay, Powai, Mumbai.
- Central Interdisciplinary Research Facility, Mahatma Gandhi Medical College & Research Institute Campus, Puducherry.
- Department of chemistry and centre for theoretical studies, Indian Institute of Technology, Kharagpur.
- Centre of Advanced study in crystallography and biophysics, University of madras, Chennai.
- Head, Radiopharmaceuticals Chemistry Section Isotope applications & Radiopharmaceuticals Division Bhabha Atomic Research Centre Trombay, Mumbai.
- CSIR-Central Electrochemical Research Institute Central Instrumentation Facility Karaikudi, Tamilnadu.
- Niva Engineering, Chennai.
- Apex Industries, Coimbatore.
- Adorit Solutions Private Limited, Chennai
- Nest Education Foundation, Chennai
- M/s CADD Technologies School of Design, Coimbatore
- Sumtwo, Madurai
- IBM Centre of Excellence
- Iwave Technologies.
- CISCO Networking Academy

Application oriented interdisciplinary research between institute and various industries are facilitated through the MoUs. The collaboration with industries is shown below.

- Adroit CAD Solutions Private Limited, Chennai.
- Nest Industrial Academy, Chennai.
- Siemens India Technologies Private Limited, Chennai
- Cisco Networking Academy, Coimbatore.
- Cadence Design systems Private Limited, Noida.
- W.S. Test systems, Bangalore.
- Sriseshaa Technologies Private Limited, Chennai.

6.3.9 Admission of Students

The students are admitted according to the Anna University/ TamilNadu Government/ AICTE Norms.

6.4 Welfare schemes for

Teaching & Non teaching	<ul style="list-style-type: none"> • Transport facilities • Staff Quarters • Medical and Maternity Leave • EPF • Staff Club • Group Insurance
Students	<ul style="list-style-type: none"> • NSS • NCC • ISTE chapter • IEEE • YRC • RRC

6.5 Total corpus fund generated

Nil

6.6 Whether annual financial audit has been done

Yes

✓

No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		Yes	Academic Auditing Committee headed by Professor
Administrative	No	---	No	---

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes

Yes

✓

No

For PG Programmes

Yes

✓

No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- i. Question papers are set as per Bloom's Taxonomy for internal evaluation
- ii. Dummy number system is followed in the evaluation of end semester examination
- iii. Results of the end semester examinations are published within a month
- iv. Photocopy of the answer scripts is issued for challenge valuation
- v. Relative grading system has been introduced for relieving the stress of the

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.11 Activities and support from the Alumni Association

- Alumni meet is scheduled every year in the month of May.
- Efforts have been taken to establish Alumni chapters at various countries.
- Senior Alumnus having companies conduct campus interviews and recruit the Students.
- The Alumnus working in MNCs are making the platform for the institution to interact with them for campus interviews.
- Active participation of Alumnus in organizing the activities like conducting training programmes, seminars & workshops for students and faculties..
- Scholarships for poor students are arranged thro' alumni chapters.
- Alumni have established computer centres in gents and ladies hostels for the benefit of hostel inmates.
- Alumni 25th year reunion meeting has been organized every year.
- Best project awards to students and financial support are given by Alumni Association.
- Best Alumni Award has been constituted by the Management to honour them.

6.12 Activities and support from the Parent – Teacher Association

PTA meeting is conducted twice in a year. Suggestions are received from the parents for the improvement of the institution. Also the difficulties faced by the students are identified and they are rectified before the next PTA meeting.

6.13 Development programmes for support staff

Two support staff from Electrical and Electronics department have attended a three day training programme organized by Equip Foundation at KSR Institution, Tiruchengode.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- i. The College has a green campus and peace ambience with sylvan surroundings
- ii. The College has a Bio Gas Plant which helps in producing electricity
- iii. Solar cooking system and solar heaters are being used in both gents and ladies hostels
- iv. Campus is completely pollution free
- v. Every Year new saplings are added to greenish the campus
- vi. Solar lighting systems have been established in the campus.

Criterion – VII**7. Innovations and Best Practices**

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

<p>i. Introduced Outcome Based Education</p> <ul style="list-style-type: none"> • Faculties are insisted to identify the best content delivery methods to attain Programme outcomes thro’ course outcomes • Faculties are requested to identify the best assessment tools to evaluate the performance of students in attaining Course outcomes <p>ii. Autonomous status of the Institution enables to introduce an industry oriented technology in the syllabus so as to enable the graduates to face challenges in the future career.</p> <p>iii. The following Career development programmes are organized to enhance student skills</p> <ul style="list-style-type: none"> • Company Specific Training Programme for TCS, WIPRO, Etc... • Soft skill training programme <p>iv. Introduced value added courses</p> <p>v. To create Environmental awareness among the students the syllabi of Environmental science subject has been modified related to programme</p>

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Task	Action	Status
It is proposed to go for National Board of Accreditation for each programme based on Tier -1	Proposal submitted by, Batch-I : a) Mechanical Engineering b) Information Technology c) Electronics and Instrumentation Engineering Batch-2: a) Electronics and Communication Engineering b) Computer Science and Engineering c) Electrical and Electronics Engineering	Accreditation Evaluation committee visited the Institution; awaiting for the results. Got 2 Years Accreditation in Tier I.

It is proposed to get NAAC Accreditation for college with higher grade	Proposal Submitted to NAAC	---
Publication in Journals are to be improved	<p>a) Advising faculties to register for Ph.D</p> <p>b) Incentives for publications</p> <p>c) Providing financial support and special leaves for attending workshops/Conferences and Training programmes</p>	<p>4 faculty members have registered to pursue their Ph.D.</p> <p>No. of articles published: Int. /National Journals –80 Int./National Conferences – 91</p> <p>Incentives for publications- Rs.3,82,795/-</p>
Proposed to start Business Incubation centre in our campus	Proposal was submitted to MSME and the Business Incubator centre was successfully established	<p>Got approved;</p> <p>Eight projects have been submitted for getting fund</p>
To continue to arrange community development programmes through NCC, NSS, Junior Jaycee Club, Youth Red Cross and Rotaract Club	Various relevant events have been conducted and valuable programs have been organized.	For details refer Annexure II

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- i. Implementation of Outcome Based Education and Choice Based Credit System for International recognition of students and job opportunities
- ii. Implementation of Relative Grading System in End Semester examinations.
- iii. Implementation of Institution Productivity Plus ERP system (Insproplus) for all academic assurance pertaining to academics such as students management, library management, hostel management, transport management, HR management and finance management provide systematic and streamlined access for providing precise and accurate information.

7.4 Contribution to environmental awareness / protection

- i. Institution has Pollution free Campus
- ii. Made green campus by planting more than 200 saplings every year
- iii. A committee has been constituted to monitor the effective utilization of water in the campus
- iv. Periodic energy auditing has been carried out by energy monitoring committee for energy saving
- v. Sewage treatment plants are provided for each hostel
- vi. A Bio-Gas plant (using human waste) was established to produce electric power

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add.

STRENGTH

- i. All the programmes are accredited by NBA out of which three are accredited in Tier I
- ii. NAAC accredited Institution
- iii. Academic Flexibility with the advent of autonomy
- iv. Attractive number of research projects
- v. Qualified, committed and experienced faculty
- vi. Outcome Based Education with CBCS is introduced
- vii. Nearly 40% of faculties having more than 15 years experience
- viii. Provision of Good Placement services
- ix. Word of mouth publicity through successful Alumni
- x. Enhanced reputation among academicians with regular Faculty enrichment programmes through seminars/conferences/ workshops / refresher courses/ orientations
- xi. More number of student centric activities through various academic clubs and cultural fests
- xii. Established various fields for sports and games
- xiii. The institution has a good reputation in the community
- xiv. National level Open Hockey Tournament is arranged every year

WEAKNESS

- i. Funds constraints being a Self financed institution
- ii. Limited Consultancy
- iii. Limited International linkages and student/staff exchange programmes
- iv. Collaboration with premier research institutions is in formative stage

Criterion – VIII

8. Plans of Institution for the next year:

- i. More number of PhD registration from Assistant professor Grade faculties.
- ii. 100 % placement to be achieved.
- iii. More number of research publications in Scopus Indexed Internationals with high impact factor.
- iv. To claim and get more number of funded projects from all departments.
- v. Outside world interaction for both students and faculty members
- vi. More number of products to be developed for societal purpose and launched in the market
- vii. Active utilization of the incubation centre.
- viii. To continue to arrange community development programmes through NCC, NSS, Junior Jaycee Club, Youth Red Cross and Rotaract Club

Name: Dr.K.Manisekar

Name: Dr.S.Shanmugavel

U.M. — S2
08/07/16

Signature of the coordinator, IQAC

S. Shanmugavel
8/7/16

Signature of the chairperson, IQAC

Annexure

Abbreviations

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

Annexure I**ACADEMIC CALENDER 2015-16**

Month	Date	Academic Activities
June	01	7 days Faculty Development Training Program (FDTP) approved by the Centre for Faculty Development, Anna University, Chennai “EC6502 - Principles of DSP” - ECE
	18	B.E. / B.Tech II, III & IV year – Reopen
July	6	One Week Photo-O-Magic “Short term programme on Photoshop” – CSI Mock Interview for final year students - Soft Skill Training
	7	Essay writing competition for II, III and IV year UG – Literary club
	9	2 days National Seminar on Cloud Computing Solutions for Genomics Analysis – CSE
	13	Brainstorming Activity - IEEE Computer Society Student Branch Chapter
	15	Main Project – Final Year (Zeroth Review) – IT
	16	Motivational Talk on “Job opportunities in Government Sector” - IE(I) Student Chapter
	19	Parent Teacher Association – NEC
	23	2 days training on “Photoshop” – CSE
	27	Installation of officer bearers – ISOI
	28	Mini Project – Third Year (Zeroth Review) – IT
	29	Social & Environment Awareness – Youth Welfare Association
	30	Three day hands on training on Embedded System Design Using PIC Microcontroller - EIE
	31	Technical Quiz Ends – EIE, B.E. / B.Tech 1st year – Reopen
August	1	HTML and Web Designing Session – ITA
	3	Instructions on Paper Presentation - IE(I) Student Chapter Value added course on “Matlab for Signal/Image Processing” - ECE
	4	Riddles of Sphinx – CSE Motivational Talk on “E waste Management” - IE(I) Students Chapter
	5	3 days workshop on “Implementation of Soft Computing Techniques” – IEEE Expert Talk on “Animation Technique” – CSE Recruitment for SUMTWO incubation center – CSE 3 days workshop on “Hands on training NS-2” - ECE
	8	C Collasiza – C Skill testing contest – IEEE Computer Society Student Branch Chapter
	10	Placement Training programme for final year Students – Soft Skill Training
	14	Discussion with alumni in core companies - ISOI
	17	Motivational Talk on “ Big Data Analytics” – IEEE Computer Society Student Branch Chapter Company Profile, Instrument Profile – ISOI Science Fair Ideas for I year UG – Science club

	24	CO Assessment Test- I for I year UG – Exam wing Circuit Debugging - IE(I) Student Chapter
	26	Puzzles competition for I year UG – Maths club Fresher IT Association'15 - FITA'15 - IT
	27	C Program Contest – IEI, PG Reopening
	29	Value Added Course on “Java Application Development”, “Flavors of C and C++” – CSE
September	1	Extreme Programming - IEEE Computer Society Student Branch Chapter
	4	Expert Lecture on “Recent Trends in Data Mining” - IE(I) Students Chapter Connection Competition for 1 st year UG Students – Science club
	5	Special Interest Group Activity Role of Power Electronics in Renewable Energy System, Small Applications in PIC Microcontroller, Preprocessing for Images, Application of Digital Circuits and Interfacing of Measuring Instruments using LABVIEW - EEE
	9	IES Coaching – EEE Association
	10	2 days National level workshop & Symposium on YUGNA-X'15 – Mechanical
	16	Expert Lecture on “Tips and Tricks in Paper Presentation” – CSE Puzzles Competition for 1 st year UG Students – Maths club
	17	Vinayaka Chaturthi – NEC
	19	MATLAB Class – 2nd year EEE , Basics of Electronics, Comsol Workshop – EEE Special Interest Group Activity Genetic Algorithm for Engineering Optimization Problems, Smart Grid Applications in Wide Area Monitoring, Application of Digital Circuits and Interfacing of Measuring Instruments using LABVIEW – EEE Main Project – Final Year 2 nd Review – IT one day workshop on “Introduction to MATLAB - EIE
	21	Unit Test II starts for first year B.E /B.Tech Students Talk on Recent trends in Instrumentation - IE(I) Student Chapter
	23	Blood Donation Camp in collaboration with GH, Kovilpati – RRC
	25	Two days Workshop on NS2 – IT Technical Symposium “NECSI'15” – CSI
	October	5
6		Awareness programme on ‘Impact of Digital Technologies To Enhance Learning Skills’ at Lakshmi Mill’s Higher Secondary School – IEEE Computer Society DROID V1.0 – Project Expo – EIE
8		One day Workshop on “Big Data” - CSI Stu. Branch
9		National Level Technical Symposium on “NECSI'15”- CSI
13		Guest Lecture on ‘Industrial Expectation’ by Alumni - IEEE Computer Society Bazaar 2015 – ED Cell

October	14	Photo Gallery of Dr.ABJ.Abdul kalam for 1 st yr UG students- Literary Club Bazaar Event 2015 – ED Cell
	15	Birthday celebration of Dr.Abdul kalam – S & H
	16	Four week short term course on “NS-2” - ECE
	17	Special Interest Group Activity Image Enhancement using Filtering, Introduction to FPGA, Applications for Power Electronics, Application of Digital Circuits and Interfacing of Measuring Instruments using LABVIEW, MATLAB Workshop on Transmission and Distribution ARDUINO Workshop continue – EIE
	21	Saraswathi Pooja – NEC
	22	Vijaya Dashami – NEC
	26	Unit Test III starts for 1 st yr UG students M.E Project Phase-I (Final Review) – IT
	28	End Semester Practical Examination starts – UG students
November	07	One day workshop on “IPR and Patents” - EIE
	18	3 days workshop on “Formulation of Research & Development Grant Proposals by Scientists and Technologists (FRDGP ‘15) - EIE
December	01	Seven Days Faculty Development Training Programme on EC6601 - VLSI Design start – ECE
	07	Unit Test V starts - UG 1 st year students
	09	Hands on training on electrical maintenance - EEE
	11	End Semester Practical Examination starts – UG 1 st year students
	11	Two days Pre Interview session for third year mechanical – Soft Skills Programme
	15	Two days Pre Interview session for third year EIE – Soft Skills Programme
	28	End Semester Theory Examination starts – UG 1 st year students
January	07	2 days "Research Aspirants Meet" - CSE
	07	International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE'16) - NEC
	08	Department of Bio Technology (DBT) sponsored two days workshop on “Modern computing technologies on affective brain computer interface - CSE
	09	One Day seminar on “Sensor Networking & IOT” - ECE
	22	Two days seminar on “Applications of Thermal Imaging” and Free Eye & Dental Medical Camp - ECE
	30	Technical Seminar on “Role of antioxidants” – EEE Technical Seminar on “Modern power electronic drives” – EEE
February	06	Technical Workshop on “Design of electronic circuits using FPGA” – EEE Technical Workshop on “Simulation of PIC Microcontroller applications using proteus software and hardware implementation” – EEE

	08	Technical Workshop on “Home based appliances installation servicing” – EEE
		Environmental workshop for first year B.E/B.Tech students – S & H ‘SCINEC-16’- A intra college competition for first year B.E/B.Tech students – S & H
	11	Faculty Development Programme on “Advanced CATIA modeling (CATIA V5 modeling)”, by Adroit CAD solution, Chennai - Mechanical
	18	IEEE Information Theory Society Madras Chapter sponsored Two day National level workshop (ISMART) on “The Internet of Things and Smart Objects” - CSE
		National Level Technical Symposium on NECSI’16- Big data and hadoop – CSI chapter
	20	28 th Graduation Day - NEC
March	04	6 th Board of Studies meeting – EIE department
	05	Technical Workshop on “Simulation of PIC Microcontroller applications using proteus software and hardware implementation” – EEE
	07	6 th Board of Studies meeting – Mechanical department
	09	4 th Board of Studies meeting – Civil department
	11	MNRE sponsored seminar on “Solar Photovoltaic & thermal energy – a state of art technology for rural development” - Mechanical
	12	6 th Board of Studies meeting – ECE department
	15	A two day hands on training on “Industrial Automation” using programmable logic controller (PLC) – EIE
	18	3 rd Board of Studies meeting – S & H department
	19	6 th Board of Studies meeting – CSE & IT department Technical Workshop on “Design of electronic circuits using FPGA” - EEE
	24	One day workshop on “Automation in Oil and Gas industry” – EIE
	26	6 th Board of Studies meeting – EEE department
	29	3 days Entrepreneurship Awareness Camp – ED Cell
April	01	National Level conference on “RAIME ‘16” – Mechanical
	05	Quiz competition on GK for second and third year Quiz club members – Quiz club
	07	Half day technical Talk by Dr.S.Arul Jayachandran, Asso. Prof/ IIT Madras to students on Higher Studies – Civil TALENT HUNTS for all B.E /B.Tech Students – Literacy club
	09	General Awareness Programme on “GATE” - IT
	12	National level conference ELCON 2k16 – EEE
	12	Seminar on “Internet of Things” - IEI
	16	NCGPA courses for all third year B.E /B.Tech Students – S & H
	18	Internal assessment Test IV starts for all first year B.E/B.Tech Students – S & H
	19	32 nd Annual Day celebration – NEC
	20	Career Guidance Programme for +2 Students (Way To Success) – S & H
	28	Paper presentation competition for first year B.E/B.Tech students – Maths club

May	07	6 th Academic Council meeting – NEC
		Internal assessment Test V starts for all first year B.E/B.Tech Students - S & H
	12	End semester practical Examination for all first year B.E/B.Tech students - S & H
	19	8 th All India Hockey Tournament LAMHOT'16 – NEC
	30	End semester Theory Examination for all first year B.E/B.Tech students - S & H

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	(An Autonomous Institution - Affiliated to Anna University, Chennai)		
	OFFICE OF THE CONTROLLER OF EXAMINATIONS		
	Phone: 04632 – 222515	Email: coe@nec.edu.in	Web: www.nec.edu.in

Ref. NEC/COE/2015-2016/ Academic Schedule

Date: 27.07.2015

Academic Year – 2015 – 2016**Academic Calendar – B.E/B.Tech. - First Semester**

Date	Day	Details
31.07.2015	Friday	Classes Begin for First semester
24.08.2015	Monday	Unit – I Test Commences
21.09.2015	Monday	Unit – II Test Commences
26.10.2015	Monday	Unit – III Test Commences
04.11.2015	Wednesday	Last date for remittance of Semester Exam Fees
16.11.2015	Monday	Unit – IV Test Commences
07.12.2015	Monday	Unit – V Test Commences
11.12.2015	Friday	End Semester Practical Examination Commences
19.12.2015	Saturday	Last Working day
23.12.2015	Wednesday	Last date for sending the attendance report to COE Office
24.12.2015	Thursday	Last date for sending Internal Marks to COE Office
28.12.2015	Monday	End Semester Theory Examination Commences
Academic Calendar – B.E/B.Tech. - Second Semester		
18.01.2016	Monday	Classes Begin for Second Semester
08.02.2016	Monday	Unit – I Test Commences
29.02.2016	Monday	Unit – II Test Commences
09.03.2016	Wednesday	Last date for remittance of Semester Exam Fees
21.03.2016	Monday	Unit – III Test Commences
11.04.2016	Monday	Unit – IV Test Commences
02.05.2016	Monday	Unit – V Test Commences
06.05.2016	Friday	End Semester Practical Examination Commences
14.05.2016	Saturday	Last Working day
18.05.2016	Wednesday	Last date for sending the attendance report to COE Office
20.05.2016	Friday	Last date for sending Internal Marks to COE Office
23.05.2016	Monday	End Semester Theory Examination Commences

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Web: www.nec.edu.in

Ref. NEC/COE/2015-2016/Odd Sem. /CR-01

Date: 22.05.2015

Academic Calendar – B.E/B.Tech./M.E/MCA

(3rd, 5th and 7th Semester)

Date	Day	Details
18.6.2015	Thursday	Classes Begin for 3 rd , 5 th and 7 th Semester U.G and 3 rd and 5 th Semester P.G Students
06.07.2015	Monday	Last date for sending minutes of First Class Committee Meeting of UG and PG Courses to COE Office
13.07.2015	Monday	Unit – I Test Commences
10.08.2015	Monday	Unit – II Test Commences
07.09.2015	Monday	Unit – III Test Commences
09.09.2015	Wednesday	Last date for remittance of Semester Exam Fees
28.09.2015	Monday	Unit – IV Test Commences
19.10.2015	Monday	Unit – V Test Commences
27.10.2015	Tuesday	Last Working day for 3 rd , 5 th and 7 th Semester UG and 3 rd and 5 th Semester PG Students
28.10.2015	Wednesday	End Semester Practical Examination Commences
30.10.2015	Friday	Last date for sending the attendance report to COE Office
04.11.2015	Wednesday	Last date for sending Internal Marks of COE Office
16.11.2015	Monday	End Semester Theory Examination Commences

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Ref: NEC/COE/2015-2016/Even Semester/Academic Schedule

Academic Calendar –B.E/B.Tech./M.E./ MCA

Academic Year - 2015-2016: Fourth, Sixth and Eighth Semester

DATE	DAY	DETAILS
16.12.2015	Wednesday	Classes Begin for IV, VI & VIII semester UG and IV & VI semester PG Students
05.01.2016	Tuesday	Last date for sending minutes of First Class Committee Meeting of UG & PG courses to COE Office
06.01.2016	Wednesday	Unit Test – I – commences
03.02.2016	Wednesday	Unit Test – II – commences
24.02.2016	Wednesday	Unit Test – III – commences
09.03.2016	Wednesday	Last date for remittance of Semester Exam Fees
16.03.2016	Wednesday	Unit Test – IV – commences
13.04.2016	Wednesday	Unit Test – V – commences
20.04.2016	Wednesday	End Semester Practical Examination Commences
28.04.2016	Friday	Last working Day for IV, VI & VIII semester UG and IV & VI semester PG Students
06.05.2016	Friday	Last Date for sending the attendance report and Internal Marks to COE office
09.05.2016	Monday	End Semester Theory Examination Commences
30.05.2016	Monday	Last date for the submission of M.E/M.CA Project reports to COE Office

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Ref. NEC/COE/2015-2016/ Academic Schedule

Date: 26.08.2015

Academic Year – 2015 – 2016

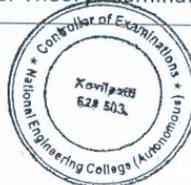
Academic Calendar – M.E - First Semester

Date	Day	Details
27.08.2015	Thursday	Classes Begin for First semester
21.09.2015	Monday	Unit – I Test Commences
12.10.2015	Monday	Unit – II Test Commences
02.11.2015	Monday	Unit – III Test Commences
04.11.2015	Wednesday	Last date for remittance of Semester Exam Fees
20.11.2015	Friday	Unit – IV Test Commences
07.12.2015	Monday	Unit – V Test Commences
11.12.2015	Friday	End Semester Practical Examination Commences
19.12.2015	Saturday	Last Working day
23.12.2015	Wednesday	Last date for sending the attendance report to COE Office
24.12.2015	Thursday	Last date for sending Internal Marks to COE Office
28.12.2015	Monday	End Semester Theory Examination Commences
Academic Calendar – M.E - Second Semester		
18.01.2016	Monday	Classes Begin for Second Semester
08.02.2016	Monday	Unit – I Test Commences
29.02.2016	Monday	Unit – II Test Commences
09.03.2016	Wednesday	Last date for remittance of Semester Exam Fees
21.03.2016	Monday	Unit – III Test Commences
11.04.2016	Monday	Unit – IV Test Commences
02.05.2016	Monday	Unit – V Test Commences
06.05.2016	Friday	End Semester Practical Examination Commences
14.05.2016	Saturday	Last Working day
18.05.2016	Wednesday	Last date for sending the attendance report to COE Office
20.05.2016	Friday	Last date for sending Internal Marks to COE Office
23.05.2016	Monday	End Semester Theory Examination Commences

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26.8.15
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Annexure II
Student Centric Activities

ISTE-Student's Chapter

The following programs were organized by the ISTE students' chapter of our college during 2015-2016 academic year.

Sl. No.	Date	Name of the Event
1.	08.07.2015	Introduction to the ISTE club by Mr. Anand Raj, Final/EIE, with the help of power point in the EIE department's seminar hall.
2.	22.07.2015	A presentation was conducted by Ms. Soundarya, Pre-final/ECE on "Useful Websites for Engineers" for the second and third year students.
3.	01.08.2015	Conducted a workshop on "Hands On Training on Digital Image Processing using MATLAB" for third and final year students
4.	05.08.2015	A presentation was conducted by Mr.M.Sathiyarayanan, Final/EEE on "Introduction to MATLAB software" for the second and third year students.
5.	06.08.2015	Inauguration of ISTE Students chapter for 2015-2016.
6.	12.08.2015	Conducted a program on "HOW TO FACE THE GATE EXAMS" for second and third year students Ms.Kirthika, Pre-final/EEE.
7.	19.08.2015	A presentation was conducted by Ms.M.Narthana, Final/ECE on "Introduction to Web Designing" for the second and third year students
8.	26.08.2015	Ms.Mirudhula, Pre-final/ECE has discussed about "How to solve problems on aptitude" for students of ISTE.
9.	02.09.2015	A presentation was conducted by Mr.M.BalakumaraVignesh, Final/EIE on "Generation of waves in Human Brain" for the students of ISTE.
10.	15.09.2015	A workshop on "Building Automation" for second and third year Civil Engineering students was conducted by Mr.V.Suresh, Associate Professor/EIE as a part of Engineers day celebration.
11.	15.10.2015	As a part of Student's Day celebration various events like speech, poem writing and quiz competitions based on Dr.A.P.J.AbdulKalam was conducted.
12.	21.10.2015	Mr.Suresh, Final/EEE shared his experiences in TCS interview with the students of ISTE.
13.	06.02.2016	Conducted a workshop on "Fundamentals on PCB Design" for second and third year students by the students of Final year EIE in which Circuit simulation using Multisim and PCB layout and design were tested.
14.	10.03.2016 & 11.03.2016	A two days Regional Conference on Soft Computing and Computational Intelligence(CONSCI 2k16) was organized in which 64 students from various colleges participated in the events like paper presentation, Circuit Debugging, Quiz, Best Manager,etc.
15.	06.04.2016	Mr.Rangarajan of Final EIE shared about his interview and internship experiences in ZOHO with the student members of ISTE.

Computer Society of India (Students Chapter)

S. No.	Name of the Event	Chief Guest(s) / Resource Person(s)	Audience / Participants	Date
1.	Photo-O-Magic	Final year IT students	II year CSE & IT students	06.07.2015 To 09.07.2015
2.	Digital India Week Celebration	Mr.L.Jerart Julus, NEC CSI Students' Branch Counselor.	II year CSE & IT students	09.07.2015
3.	Job Awareness Program	Mr. Balamurugan , Final year EEE	II,III year CSE & IT students	27.07.2015
4.	Inaugural	Dr.S.P.Shantharajah,CSI State Student Coordinator	II, III & IV year CSE & IT students	05.08.2015
5.	Research and Documentation PowerPoint Seminar	Mr. S.Chidambaram, AP/IT.	III year IT students	06.08.2015
6.	C Debugging Contest	Final year students	II,III year CSE & IT students	17.08.2015
7.	Hands on Training about Embedded System Design	Mr.S.RajKumar, Mr.B.Anto, IELEC Solutions,Tirunelveli	III,IV year IT,CSE&EEE students	24.08.2015 To 25.08.2015
8.	TECHNOVANZA-15	Intra college Symposium	II, III Year Students of NEC	08.10.2015 To 09.10.2015
9.	Hands on Big Data and Hadoop	Dr.S.Gomathi Dr.M.Kaliappan	II,III year CSE & IT students	08.10.2015
10.	Vigilance Awareness	Mr.L.Jerart Julus,NEC CSI Students' Branch Counselor.	II Year IT	27.10.2015
11.	NECSI' 16 Inter college symposium	Dr.subramanian Chairman, CSI, Sivakasi Chapter	Students from other Colleges	25.02.2016 To 26.02.2016
12.	Seminar on Big Data and Hadoop	Dr.S.Gomathi	Students from other Colleges	26.02.2016

IEEE-Student's Branch

- ❖ IEEE Student Branch of National Engineering College was inaugurated on 22-07-2015 by Dr. V. PRAKASH, Associate Professor/EEE, Thiagarajar College of Engineering, Madurai, for the academic year 2015-2016.
- ❖ IEEE Student Branch organized a one day workshop on “NETWORK SIMULATOR 2” on 01-08-2015 at IT department.
- ❖ An interdisciplinary one day workshop on “PHOTOSHOP TUTORIALS” was conducted by our IEEE student members on 19-09-2015.
- ❖ A one day workshop on “SUPPORT VECTOR MACHINES USING MATLAB” was conducted by Dr.R.V.MAHESWARI Asso. Prof. /EEE on 30/01/2016.
- ❖ SIPRO'16 - A National level technical project expo was conducted on 24/03/16. Our alumni Mr.M.Muthu Senthil Kumar, Assistant.Manager,R&D Section,TVS,Hosur acted as chief guest. Students from various engineering colleges participated. The winners were awarded with attractive prizes.
- ❖ SIPRO'16 – An Intra college project expo was conducted on 25/03/16. Students from various departments participated and won prizes.
- ❖ IEEE Student Branch in collaboration with the Information Theory Society organized centenary celebration of Dr. Claude Elwood Shannon in the name of “THE C3 – The colloquium on Claude Shannon’s Contribution.
- ❖ Various activities like Awareness on Digital India, Video presentations on recent trends in electrical and electronics field, discussions about the competitive examinations and certification courses such as GATE, MAT, IELTS etc., presentation of paper on space science was presented by an IEEE Student Member, discussion on soft skill trainings, renewable energy sources, Bionics and related inventions for the betterment of mankind, seminars on Big data and Advancements in energy efficient LED’s, talk on “Networking fundamentals”, “Microprocessors & the memory management in a computer and the graphics accelerator” were organized.

IEEE Computer Society Student Branch Chapter

Sl. No	Event Name	Date
1.	“Critics Eye”- Product Review on Android Lollipop	21-01-2015
2.	Technical Quiz	12.02.2015 & 13.02.2015
3.	Knowledge Gaining Program on Algorithm And Analysis	25.02.2015
4.	Mock Interview	26.03.2015
5.	Alumni Talk on topic “Industry Expectation”	02.04.2015
6.	Industry Oriented Training on Java	10.06.2015 to 20.06.2015
7.	Resume Preparation Tips	30.06.2015
8.	Inaugural Function & Installation of Incubation Centre	08.07.2015
9.	Code Overlook	23.07.2015
10.	C-COLLASIA	06.08.2015

11.	Tech Week'15	15.09.2015 to 22.09.2015
12.	Tech-Razing	30.12.2016
13.	Hands on Training on Matlab	27.01.2016 to 29.01.2016
14.	TECH-Connect	09.02.16 & 10.02.2016
15.	Mr.Chanakyan	10.03.2016
16.	Lets Maze	06.04.2016

IE-Student's Chapter

IE Student's chapters of various departments have organized the following activities for the academic year 2015-2016.

Date	Details of the Events
14/07/2015	Inaugural function of IE (I)-EEE Students' chapter was celebrated at EEE Seminar Hall. Dr.S.Shanmugavel,Principal and Dr.M.Willjuice Iruthayarajan, HOD of EEE dept. presided over the function. Office bearers of IE(I)-Students' Chapter of 2015-16 was installed
20/07/2015	The Seminar session-1 had been conducted on the topic of "HOW TO PRESENT A PAPER" by P.Shanmugam (Final EEE). 51 students were attended.
27/07/2015	The Seminar session-II had been conducted on the topic of "HOW TO PRESENT A PAPER" by P.Shanmugam (Final EEE). 31 students were attended.
29/07/2015 to 31/07/2015	The IE(I) Students chapter of EEE department has organized and celebrated " IE(I)-week 2K15 ". The week was a total package of technical events conducted focusing on the second and third year students
29/07/2015	Paper Presentation for III year students. 14 papers were presented Chairpersons: Mr.Siva PalaniRajan, AP/EEE and Mr.S.Thirumalai Kumar AP/EEE
31/07/2015	Paper Presentation for II year students. 10 papers were presented Chairpersons: Mr.A.Tamilarasi, AP/EEE and Mr.P.Subathra AP/EEE
04/08/2015	Youth Talk was to set a platform for the students(II & III yr students) to expose their oratorical and communication skills in the presence of jurie Ms.C.Nivetha Indumathi (AP/EEE) . 35 students were participated
26/08/2015	Technical Quiz was conducted on two levels , 30 teams(2 members per team) attended the preliminary level. Out of this, 10 teams had been selected for the final round. Jury of the event was Mr.Gengaraj AP/EEE
02/09/2015	The GK Test was conducted for second years, 20 students were participated in this test.
15/09/2015	The 48th ENGINEERS DAY was celebrated at EEE seminar Hall. The function was presided over by Dr.S.Shanmugavel, Principal and Dr.M.Willjuice Iruthayarajan, HOD of EEE dept. IE(I)-STUDENT CHAPTER OFFICIAL WEBSITE was launched by our principal and the first poster presented to our

	HOD. The prizes were given to the events conducted in IE(I) WEEK 2KI5 and the compliments were presented to the organizers and Designers
19/01/2016	The Circuit Debugging event was conducted on two levels, 63 students attended the preliminary level. Out of this, 15 students had been selected for the practical round and they were divided into 8 batches. They compete each other in final round and the jury of the event was Mr.B.Venkadasamy AP/EEE
Even sem of 2015-16	9 Technical Tests had been conducted for 3 rd year students 125 students attended the tests and top 2 students were awarded
23/03/2016	Simple Android App Development Using APPINVENTOR for II & III year students was conducted by S.G.Sivaram (Final EEE). 34 students attended.

- ❖ Department of Information Technology organized Paper presentation, Aptitude preparation, Technical and feature scope in IT, Group discussion, Essay writing competition, Seminar on big data and cloud computing and Programming practice on ORACLE events.
- ❖ Department of Electronics and Instrumentation Engineering organized Technical updates discussion, Paper Presentation, circuit Debugging, Techno Talk about Instrumentation based Industries, Motivational Session on “Future of Instrumentation Engineering” and Interactive Session - Overview of process industries and their career opportunities.
- ❖ Department of Mechanical Engineering organized Motivational Session on video Presentation, Debate, Aptitude Coaching, Orientation program, General Quiz, Best Manager, Technical Quiz, Paper Presentation, Tech Why, Connections, and Industrial Visit- National Institute Of Wind Energy (Niwe) Kayathar.
- ❖ Department of Electronics and Communication Engineering organized Seminar on “Recent Trends in Network Security”, Guest lecture on “A perspective on Wireless Sensor Networks”, Technical Quiz, Career guidance program, Paper presentation and Seminar on “Recent Trends in Network Security”.

IETE-Student's Chapter

- ❖ IETE Student Forum was inaugurated on 07.08.2015 by Dr.Klutto Milleth, Chief Technologist, CWIT, IIT Madras at our college.
- ❖ Guest lecture on “Recent Trends in Wireless Technology” was delivered by Dr.Klutto Milleth, Chief Technologist, CWIT, IIT Madras for the benefit of third year and final year IETE student members on 07.08.2015.
- ❖ Guest lecture on “Internet of Things (IoT)” was delivered by Mr.A.Saravana Selvan, Assistant Professor (SG), Department of ECE, for the benefit of second year IETE student members on 02.09.2015.
- ❖ Guest lecture on “MEMS in RF Field” was delivered by Dr.V.Prithivi Rajan, Assistant Professor (SG), Department of ECE for the benefit of third year IETE student members on 13.10.2015.
- ❖ Two days seminar on “Sensor Networking and IoT” was delivered by Prof. Jayaraman, Former ISRO Scientist, Trivandrum on 04.01.2016 & 05.01.2016.
- ❖ Two days seminar on “Linux Basics & Hands on Training” was delivered by Mr.M.Boominathan, Senior Technician, Department of ECE, National Engineering College on 11.02.2016 & 12.02.2016.
- ❖ IETE Student's Project Expo'2016 was conducted on 24.02.2016 for IETE Student members and the prizes were distributed to the winners.

ISOI-Student's Chapter

- ❖ Inauguration of the chapter and installation of office bearers was held on 12th August 2015.
- ❖ Guest Lecture through video conferencing was conducted on 17th July 2015 on “Recent Trends in Automation in oil Industries” : Guest: Mr.K.Aravind, Site safety Engineer, Al Abbar Aluminium, Dubai, UAE
- ❖ One day Hands on Training on was conducted on 5th September 2015 on the topic of “Fundamentals of PCB design”.
- ❖ Quiz and turn a court was conducted on 7-10-2015 and 14-10-2015
- ❖ FINS: Field Instrument Study was conducted for the members of ISOI during second week of February, 2016 in which the students gathered information about the field instruments available in our college campus.
- ❖ INSPRO: Instrument Profile and COMPRO: Company Profile was periodically prepared, and displayed to learn about various instruments and companies regarding instrumentation.
- ❖ ISOI student chapter organized two technical events circuit debugging and paper presentation during On 23 to 25 February 2016
- ❖ “Pro-ecto” –A Project contest was conducted on 23rd March 2016.

Literary Club

- ❖ Literary club conducted “Creative Writing competition in the month of August for the II year, III year, and IV year students.
- ❖ Literary club conducted various activities like skit, film review, elocution translation etc exclusively for I year B.E./B.Tech. students from 10.08.2015 to 08.10.2015
- ❖ TECHIE Talk was conducted on 7th and 8th of March for II, III, IV year students.

Maths Club

- ❖ Trainings were given on the topics Sudoku, puzzles, reasoning, shortcut method, super password, magic square, mathematical quiz during the club hours in odd semester.
- ❖ To improve the analytical skills of the students, puzzles competition was conducted on 29.09.2015.
- ❖ To improve the IQ of students, Sudoku competition was conducted on 19.10.2015 and 20.10.2015 around 131 students participated in the program.
- ❖ To enhance the creativity of the students, mathematical connection competition was conducted department wise and around 94 teams were participated in the competition held from 29.02.2016 to 09.03.2016.

Science Club

- ❖ The club conducted Paper presentation and Quiz to our college students.
- ❖ Our students conducted seminars, organized Science Quiz and displaying videos regarding modern scientific developments to the students of Ravilla K.R.A.Vidhyashram Matriculation Higher Secondary School. New Town,. Kovilpatti-628502 through School mentoring programme.

Quiz Club

- ❖ Quiz Club conducted training program on various topics exclusively for I year B.E/B.Tech students from 10.08.2015 to 08.10.2015.

Society for Automotive Engineers (SAE)

SAE Club organized the following programmes for the year 2015 – 2016.

S. No	DATE	PROGRAM	Description	Chief Guest
1	03.07.2015	Orientation Program	Introduction about SAE to 2 nd year students conducted by 4th year students	-
2	29.07.2015	Inaugural Function	Formal Inaugural of SAE and an interactive session for students with chief guest was arranged in Seminar Hall on the topic “Latest Developments in Automobiles”	Mr.S.Senthil Kumar , General Manager, TVS, Madurai
3	06.08.2015 & 07.08.2015	TIER I Competitions for SAE Members in our college	Mechanical CAD Design, Prototype Modelling, Aero Modelling, Modelling & Animation, Autoquiz, Business Plan, Technical Paper, CNC Turning, Manufacturing, Welding, Sheet Metal, CNC Milling, Electronics, Mechatronics, Robotics	-
4	28.08.2016	TIER II Competitions at Kamaraj College of Engineering and Technology	Conducted by SAE Parent Club, First Place in Aero-Modelling competition. Second Place in CAD - Challenge and Mechatronics. Third Place in Modelling & Animation, Robotics, Electronics, Manufacturing Challenge, Prototype Modelling and CNC Turning	-
5	18.09.2015 & 19.09.2015	TIER III Competitions at Vellore Institute of Technology (VIT) 63 members had participated	Light Weight Mobility, Reverse Engineering, Computational Fluid Dynamics, Additive Manufacturing, Resolve, Bridge Building, Human Powered Vehicle, Material Identification, Bio Mimicry, How Things Works, Group Discussion, Sheet Metal Layout, Aero Modelling, Mechanical Design CAD, Mechatronics, Tapered and Thread Lathe	-
6	29.01.2016 & 30.01.2016	AUTOMANIAC' 16 Two day Intra college workshop	The first day was of theory sessions and the second consisted of practical sessions handled by the experts at	Mr.M.KAPIL , Quality Incharge for Asia-Pacific, Renault

			<p>Lakshmi Ammal Polytechnic College (LAPC) and about 90 members took part in it. The first day sessions took place in the seminar hall and were handled by Mr.M.KAPIL, Quality Incharge for Asia-Pacific, Renault Nissan who had consented to be the Chief Guest. The various topics covered were,</p> <ul style="list-style-type: none"> ❖ Strategy of Indian Automotive Field in Global Market. ❖ How to get into the Automobile Field? ❖ Skills which the Industry People are expecting from us. ❖ Courses which boost the entry into automotive field. ❖ Various Departments in an Automobile industry and their function and the role of Engineers in it. 	Nissan
7	03.03.2016, 04.03.2016, 05.03.2016	ARCUEZ' 16	<p>970 participants from various colleges participated in events and workshops listed below</p> <p>WORKSHOPS:</p> <ol style="list-style-type: none"> 1. Recent drifts in engine Technology 2. 3D Printing 3. Industrial drawing and Interpretation 4. Modern Trends and QC of Welding 5. Design and Simulation (FEM) 6. Stand up India- An Engineers' Perspective <p>TECHNICAL EVENTS:</p> <ol style="list-style-type: none"> 1. Autobuzz 2. Mr.Machinist 3. Prototype Modelling 4. Prosequence 5. Idea Presentation 6. Techno-Connect 7. Biomimetics 8. Inspector-x <p>NON-TECHNICAL EVENTS:</p> <ol style="list-style-type: none"> 1. Selfie-with-Peeps 2. Crime Busters 	<p>Mr.R.Neelakantan, General Manager (Operations) in Toyota Logistics</p>

			3. Ultimate Manager 4. Lit Maze 5. AD-Zap 6. Best Buddies 7. Track-a-Think	
8	27.04.2016	Valedictory Function		

Entrepreneurship awareness programmes organized

- ❖ Entrepreneurship Development Cell has been established in our Institute on 22.1.15 with 9 faculty members in charges for their respective Engineering disciplines aspiring students for promoting entrepreneurial activities. About 450 students of our institute belong to various engineering disciplines enrolled their names as aspiring entrepreneurs in the ED cell out of 3500 total students of our institute to become the entrepreneurs after successful completion of their graduation.
- ❖ Department wise aspiring entrepreneurship students meetings have been arranged to address the students about Entrepreneurship Development Cell and the various activities to be conducted in the academic year 2015-16 for creating the entrepreneurs in our institute.

Date	Name of the Department	Resource person
23.02.15	Mech, EEE and Civil	Director, Principal, ED Cell coordinators
24.02.15	ECE, CSE, EIE and IT	Director, Principal, ED Cell coordinators

- ❖ A Guest Lecture on “Innovation and Product Design” was arranged for the ED Cell Mechanical engineering students on 19.03.15 by inviting our Alumni Entrepreneur Mr.S.Pandiarajan, Managing Director “Apex Design Centre” who is successfully running his business at Coimbatore.
- ❖ Continuous motivational talks were arranged by our college ED Cell Department wise faculty in charges weekly once in their departments for their students to get exposure on “Entrepreneurship”.
- ❖ Entrepreneurship development theory course is included in the curriculum and syllabus as an elective course for the final year students.
- ❖ Two days visits were organized for our students through ED Cell of our institute to THOODITSSIA Industrial Exhibition 2015 (Global Investors Meet) at Thoothukudi on 6th -9th August 2015 sponsored by MSME, Thoothukudi.
- ❖ A Guest Lecture on “How to start and run business successful” was arranged for the ED Cell Mechanical, Electrical and Electronics engineering students on 05.08.15 by inviting our Alumni Entrepreneur Mr.J.Jayaprakash, Managing Director, “Vijay Tool Room (P) Ltd.,” who is successfully running his business at Madurai.
- ❖ A Guest Lecture on “Entrepreneurship” was arranged for the ED Cell Mechanical, Electrical and Electronics engineering, ECE students on 05.09.15 by inviting our Alumni Entrepreneur

Mr.P.Anandaraj, Chairman & Managing Director, “Naveen Alarm systems India (P) Ltd.,” who is successfully running his business at Madurai.

- ❖ A Guest Lecture on “Successful Entrepreneurs” was arranged for the ED Cell Mechanical, Electrical and Electronics engineering and Civil engineering students on 05.09.15 by inviting our Alumni Entrepreneur Mr.Uchimahali, Managing Director who is successfully running his construction business at Tirunelveli.
- ❖ Our institute ED Cell students of various disciplines were engaged in conducting Industrial survey at Kovilpatti, Sivakasi, Thoothukudi and Thirumangalam to identify the projects send to MSME, New Delhi for receiving funds to help the entrepreneurs in and around our institute.
- ❖ Three Guest Lectures on “Business Loan schemes” were arranged for the ED Cell II, III and IV year students on 28.08.15, 01.09.15 and 03.09.15 respectively by inviting Mr.G.Rajasekar, Senior Manager, IOB kovilpatti to give exposure on various business loan schemes available with the nationalized bank for starting and running the business.
- ❖ Two days event was organized in the name of “BAZAAR” through our institute ED Cell students on 13th and 14th October 2015 to encourage aspiring entrepreneurship students towards entrepreneurship by showing them the business taste by creating the real entrepreneurship culture in our institute campus.
- ❖ Three days Entrepreneurship Awareness Camp Sponsored by National Science and Technology Entrepreneurship Development Board (NSTEDB) and Department of Science and Technology (DST), New Delhi (Under the Entrepreneurship Development Institute of India (EDII), Ahmadabad - NIMAT project) during December 29-31, 2015 was organized for our college students to give exposure on “Entrepreneurship” by inviting the resource persons from educational institutions, Governments officials, financial institutions and alumni entrepreneurs.
- ❖ Three days Entrepreneurship Awareness Camp (additional) sponsored by NSTEDB-DST, New Delhi (Under the EDII-NIMAT project, Ahmadabad) during March 08-10 2016 was organized by our ED Cell at our institute.
- ❖ A Guest Lecture on ‘Innovation and Entrepreneurship’ was arranged for our college ED Cell students of all UG Programmes on 29.03.2016 by inviting our Alumni Entrepreneur Ms.R.Angayarkanni, Managing Partner, TFS Ventures who is running her business at Thoraipakkam, Chennai.

ECO Club

- ❖ Environmentalist and Organic farming specialist were organized on 23.09.2015
- ❖ Creating awareness on public hygienic and usage of dustbins were organized on 13.10.2015 to 14.10.2015
- ❖ Logo design competition on the Topic on “மரம் வளர்க்க கரம் கோர்ப்போம் மழை பெற்று மனம் குளிர்வோம் மனிதம் போற்றி உறவை வளர்ப்போம்”, “ஊர் கூடி மரம் வளர்ப்போம் ஊருக்கே மழை பெறுவோம் புன்னகை பூக்கட்டும்” were organized on 09.02.2016
- ❖ Road Show (Mime) on the Topic on “Avoid Plastics”, were organized on 01.03.2016
- ❖ ECO fest on the Topic on “Mime, Video presentation, Food without fire, Music without instruments, Art from waste, Eco quiz & Make it green”, were organized on 17.03.2016

Campus recruitment training programmes organized

S. No.	Date	Participants	Programme	Resource Persons
1	26.05.2015 To 29.05.2015	Interested Final Students 230 Nos.	Java Training Programme	M/S. Slicon Software Solutions, Madurai Ms.Kalaiselvi & Suganthi
2	09.07.2015 To 14.07.2015	Interested Final Students - 74 Nos.	Java Training Programme	M/S. Slicon Software Solutions, Madurai
3	31.07.2015	Interested Final Students & Pre-Final Year Students - 300 Nos.	TCS Webinar for Codevita Contest 2 Slot. Topic -(Dry Run-Codevita)	Mr.Prathap Kolla Tata Consultancy Services, Chennai.
4	31.07.2015	Final Year All Branch Students	Students Awareness Programme	Mr. Veerappan, Founder, Tesselove
5	14.08.2015	Final Year Students	Aspiring Minds Awareness Programme	Mr.Jenkins, Campus Relationship Manager, Aspiring Minds Assessment Pvt. Ltd.
6	01.09.2015 To 04.09.2015	Final Year Students EEE,ECE & MCA - 276 Nos.	Aptitude Training Program	M/s.Smart Training, Chennai
7	01.09.2015 To 04.09.2015	Final Year Students CSE,Civil & EIE - 247 Nos.	Aptitude Training Program	M/s. Face, Coimbatore.
8	09.09.2015 to 12.09.2015	Final Year Students IT & Mechanical - 199 Nos.	Aptitude Training Program	M/s.Connect, Tirunelveli
9	19.09.2015 To 22.09.2015	Final Year Students CSE, Civil,ECE,CSE PG,EEE & EIE - 357 Nos.	TCS Specific Training Program	M/s. Face, Coimbatore.
10	19.09.2015 To 22.09.2015	Final Year Students IT, Mech & EEE - 222 Nos.	TCS Specific Training Program	M/s.Connect, Tirunelveli
11	26.09.2015	TCS Eligible Final Year Students - 550 Nos.	Moke Interview	Mr.Somu chockalingam, Ms.R.Priscilla Rajakumari Mr.Padmesh, Mr.Pugalenthi Mr.M.Subaramaniam, Mr.M.K.Assan Fakkir

12	21.12.2015 To 31.03.2016	Pre-Final Year Students	Career Development Program	M/s.Connect,Tirunelveli
13	26.01.2016 to 27.01.2016	Final Year Eligible Students - 130 Nos.	Infosys Specific Training Program	M/s.Connect,Tirunelveli Mr.Rajendran,Traineer
14	17.02.2016.	Final Year Students - 66	Java Training Program	M/S. Slicon Software Solutions, Madurai
15	20.02.2016	Final Year Students - 35 Nos.		Mr.Jijo,Axis Global Automation, Coimbatore.
16	19.03.2016	Second Year Students CSE,EEE & IT	Placement Induction Program	M/s.Connect, Tirunelveli
17	29.03.2016 To 31.03.2016	Final Year Selected Students	Campus to Corporate	Mr.Mark,Traineer M/s.IVTL Infoview Technologies, Chennai
18	31.03.2016	Second Year Students ECE, Mech, Civil & EIE	Placement Induction Program	M/s.Connect, Tirunelveli
19	07.04.2016 to 11.04.2016	First, Second and third year students	Next step to career	M/s.Tata Consultancy Services, Chennai Campus Commune related Activities

Community development programmes

National Cadet Crops (NCC)

S.No	Date	Particulars	NCC Cadets & ANO Participation
1	22.05.2015 - 31.05.2015	Group Firing Competition Training Camp Namakkal Arts College, Namakkal	02 Cadets
2	17.06.2015 – 26.06.2015	CATC cum Group Training – I Camp VV. College of Engineering, Tisayanvilai	42 Cadets and NCC Officer
3	20.06.2015	International Yoga Day Camp, Lakshmi Mill Higher Secondary School, Kovilpatti	50 Cadets and NCC Officer
4	05.07.2015 – 14.07.2015	CATC cum Training –II Athletic Camp, Mahakavi Bharathiyar Engg. College, Vasudevanallur	02 Cadets
5	19.07.2015 – 28.07.2015	IGC Football Competition, Bharath University, Selayur, Chennai	01 Cadet

6	24.07.2015 – 02.08.2015	CATC cum Group Launch Games Camp, VHNSN College, Virudhunagar	01 Cadet
7	05.08.2015 – 14.08.2015	National NCC Games, Directorate Selection, Kongunadu Arts and Science College	01 Cadet
8	15.08.2015	Independence Day Parade, NEC, Kpt	95 Cadets, Officer and Staff
9	04.09.2015 – 13.09.2015	Directorate Selection Camp, Football, Quaid-E-Millath Govt. Arts College, Chennai	01 Cadet
10	10.09.2015	Clean India Awareness Program, NEC, Kpt Service Road from NEC to KR Arts College	50 Cadets, Officer and Staff
11	15.09.2015	Engineer's Day Celebration, NEC, Kpt Paper Presentation 'Role of Engineers in Armed Forces'	100 Cadets, Officer and Staff

National Service Scheme (NSS)

- ❖ Orientation program to our NSS volunteers was conducted on 17.07.2015, presided by Dr.B.Jeyanthi, Regional NSS Co-ordinate, Anna university Tirunelveli region. On that day new office bearers were installed.
- ❖ NSS volunteers of our college participated in Tamilnadu Adult Tobacco Survey for Tuticorin District on 20.07.2015 study coordinators from cancer institute, Chennai.
- ❖ Awareness program on "Women Empowerment" to our women NSS volunteers by Mrs.A.Chandrapushpam, All India Radio, Tirunelveli was conducted on 14.08.
- ❖ Our NSS Volunteer Mr.B.Leela Krishnan has commendably participated in the State Republic Day Parade camp held at Sports Development Authority of Tamilnadu, Chennai on 26.1.16.
- ❖ Engineers' day was celebrated by conducting paper presentation on "Role of Engineers in India-2020" on 15.09.2015.
- ❖ NSS celebrated First "Constitution Day" on 26.11.2015 and display Constitution of India Preamble and Fundamental duties of citizens at our college premises.
- ❖ 150 NSS volunteers participated in voter awareness rally from Kovilpatti old bus stand to RTO office on 25.01.2016.
- ❖ One day cleaning camp was conducted at Vilathikulam temple on 14.01.2016.
- ❖ Two days special camp enrollment of new voter in voter list was conducted at our college 10.03.2016.
- ❖ Elocution Competition on the topic of "Voters Duties in Democracy" was conducted as a part of Voter Awareness Program on 21.03.2016.
- ❖ Quiz, Slogan writing Competitions was conducted as a part of Voter Awareness Program. Dr. Kannapiran, RDO, Kovilpatti presided over the function on 23.03.2016.
- ❖ One week NSS Special Camp was conducted at Athimarapatti Village (flood affected area), Thoothukudi district by NSS volunteers from 30.12.2015 to 5.1.2016. In the special camp, following activities were conducted.

- “Swachh Bharat” as a mass movement to realize Mahatma Gandhiji’s dream of a Clean India by the 150th birth anniversary of Gandhi in 2019. To make his dream come true, Our NSS Volunteers adopted roads and paths to keep areas looking clean and tidy and to ensure that people can use roads and pavements safely. Temple, School, Play ground premises of Athimarapatti village were cleaned by NSS volunteers on 31.12.2015.
- Caring for trees and the environment is the social responsibility of every individual. The Plant-A-Tree Programme is a platform for organizations and individuals to actively participate in the greening of our City in a Garden by planting trees.
- Mr.Augustin Jebaraj of Athimarapatti village started planting a tree on sides of village road.
- Dengue Extermination Camp was conducted by Mr.Ramasamy Raja , Regional Health Supervisor, Puthukotai Region on 2.1.2016 .
- Free Eye Medical Camp was conducted by NSS units of our college in association with Dr.R.Ramakrishnan of Aravind Eye Hospital, Tirunelveli on 3.1.2016. Around 238 patients were screened and 17 patients were admitted for cataract surgery. People living in Athimarapatti village, Muthaiyapuram village and its surrounding villages were benefited.
- General Medical Camp was conducted by Dr.N.Sethuraman, Administration and Medical group, Meenakshi Mission Hospital on 4.1.2016. Around 513 people from the village consulted the doctor.
- Sports events were conducted for school students of Athimarapatti village on 4.1.2016.
- Dr.Willjuice Iruthayarajan, HOD/ EEE addressed about “Power consumption and its need”.

Junior Jaycee

- ❖ In the month of July, the inauguration of our Junior Jaycee wing held on 30.07.2015 “**ORIENTO’15**” and new members from all departments are registered in our club. Mr Tenzing Pauldurai, National Trainer was the chief guest of the occasion. He delivered his key speech and gave orientation for the NECians.
- ❖ Junior Jaycee wing organized a talent session “Think and Show” on 27.08.2015 to enhance the logical thinking and speaking skills of students,. The session included the events: Latin Square, Turn coat and Opinion Differs.
- ❖ In the Month of October, a half day program was organized to motivate our students with events like Group discussion, Sudoku solving and Just a minute.
- ❖ In the month of November, three events were organized to encourage the students to improve their thinking talent by the events Paper tower, Story perception and Ignite your minds was held.
- ❖ In the month of January 2016, Junior Jaycee Wing got “Best Junior Jaycee Wing Award” in the Zone 18 for the academic year 2014 - 2015. Also Mr. J. Manoj got “Best Junior Jaycee Volunteer Award” in the Zone 18.
- ❖ A half day workshop on “Web design and Development” was conducted exclusively for second and third year students to explore their creativity. Around 45 students from various departments had participated in the workshop.
- ❖ In the month of February, our signature event SUCCESS'16 was conducted with the events like Neengalum vellalam JCI trophy, Shoot the kuruvi and Stage is yours.

- ❖ In the month of March, JAYCEE CLUB members coordinated and acted as volunteers for the two days exhibition organized by “Thoothukudi Woman Self Help Group” in our college premises.
- ❖ Also, Events such as Extempore, Audio Jung were conducted to bring out the intellectual talents of the students.

Red Ribbon Club

The following activities were conducted by the Red Ribbon club of our college in the academic year 2015-2016.

S. No	Date	Event	Comments
1.	23.07.2015	Inaugural - Public Health awareness and Education Program	Created AIDS awareness and importance of Donating Blood among the students
2.	12.08.2015	International Youth Day Celebration	The students took oath on “A step towards Changes”
3.	27.08.2015	Banner Contest	Useful to improve creativity
4.	23.09.2015	Blood Donation Camp	Provided forum to service for society
5.	22.01.2016	Paper presentation Contest	Motivation for leading healthy life
6.	10.02.2016	Quiz	Improve the knowledge of the students
7.	11.02.2016	Slogan writing	Improve the creativity of the student
8.	12.02.2016	Article Writing (Tamil, English)	Inculcate the students talents

Rotaract Club

The following programs were conducted by the Rotaract club of our college during this academic year 2015-2016.

S. No.	Date	Name of the Event
1.	07.07.2015	Thirty members of our club have attended “Safe Journey- Road Safety Awareness” Programme conducted by rotary club of Kovilpatti (venue: Sowbagyaa Mahal, kovilpatti).
2.	22.07.2015	Installation of Office Bearers 2015-2016
3.	15.08.2015	Independence Day –Orphanage visit(“Dear India Trust”, Kadambur)
4.	05.09.2015	Teacher’s Day Celebration
5.	27.09.2015	Eight members of our club have participated in “Paadum Paravaigal” competition conducted by rotary club of Sivakasi Sparkler
6.	15.10.2015	YOUTH RENAISSANCE DAY-ROTONIX’15 (Quiz and Paper presentation for students)
7.	19.11.2015	An awareness regarding “Prevention of Karuvelam maram” was given to the members of our club
8.	18.01.2016	Thirty members of our club have attended “Road Safety Week” conducted by rotary club of Kovilpatti.

9.	24.01.2016	Forty members of our club have serviced at Gomathi Ambal Temple, Thirupudaimaruthoor (Thaipooosam festival)
10.	26.01.2016	Republic Day – Orphanage visit (Drumm Trust, Ettayapuram)
11.	15.02.2016 to 18.02.2016	ROTOWEEK'16
12	18.04.2016	Valedictory Function

Youth Red Cross Society

The following activities were conducted during the academic year 2015 -2016.

S. No.	Date	Description
1	21.07.2015	Blood donation Camp
2	15.08.2015	Orphanage Visit –“ Hope Foundation “ HIV affected students @ Tirunelveli
3	13.01.2016	Workshop – Disaster Management and First Aid training Program
4	17.01.2016 to 19.01.2016	Polio awareness camp through Camp through Government Primary Health centre, Villiseri
5	15.02.2016	YRC Day Celebration by conducting awareness programs
6	21.02.2016 to 23.02.2016	Polio awareness camp through Camp through Government Primary Health centre, Villiseri

Fine Arts Club

- ❖ Debate Competition on the Topic “*Net neutrality is needed or not?*” were organized on 06.08.2015.
- ❖ Connexion Competition were organized on 26.08.2015
- ❖ Inter Collegiate Cultural Fest - LEGACY'15 Organized by Mepco Schlenk Engineering College, Sivakasi on 05.09.2015 to 06.09.2015
- ❖ Thiruvalluvar Vizha were organized on 12.10.2015 to 14.10.2015
- ❖ Cultural Programme to International Conference ICCTIDE'16 were organized on 07.01.2016
- ❖ A Mega Off Stage Event (FASE – 2016) was arranged from 18.01.2016 to 22.01.2016
- ❖ JILL JUNG JUCK (Best Buddies) & COOL CAPTAINS (Best Manager) were organized on 17.03.2016
- ❖ Cultural Fest – Voters Awareness Programme were organized on 11.04.2016
- ❖ Intra College Cultural Event were organized on 16.04.2016

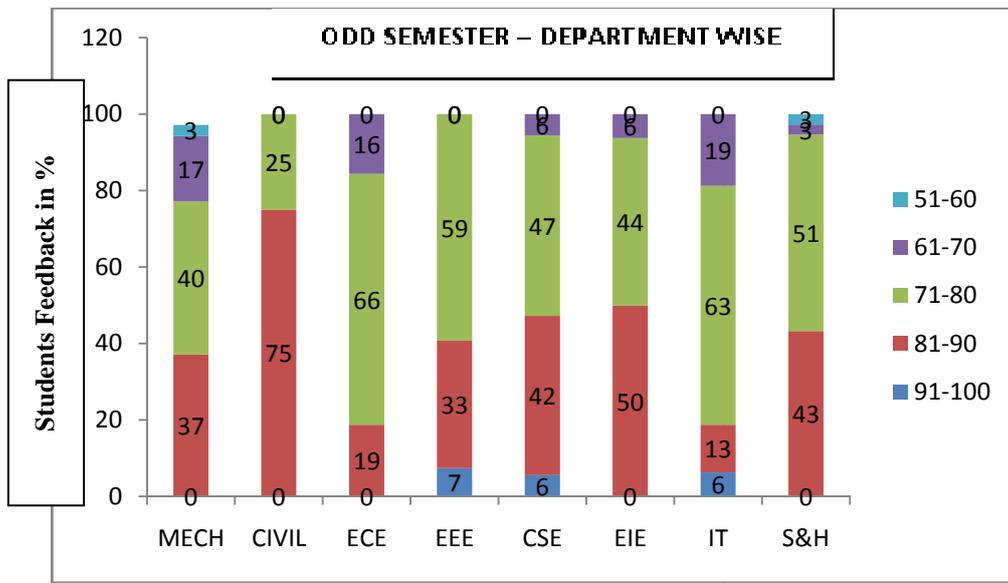
Physical Education

Anna University Chennai Inter-Zone Tournaments:

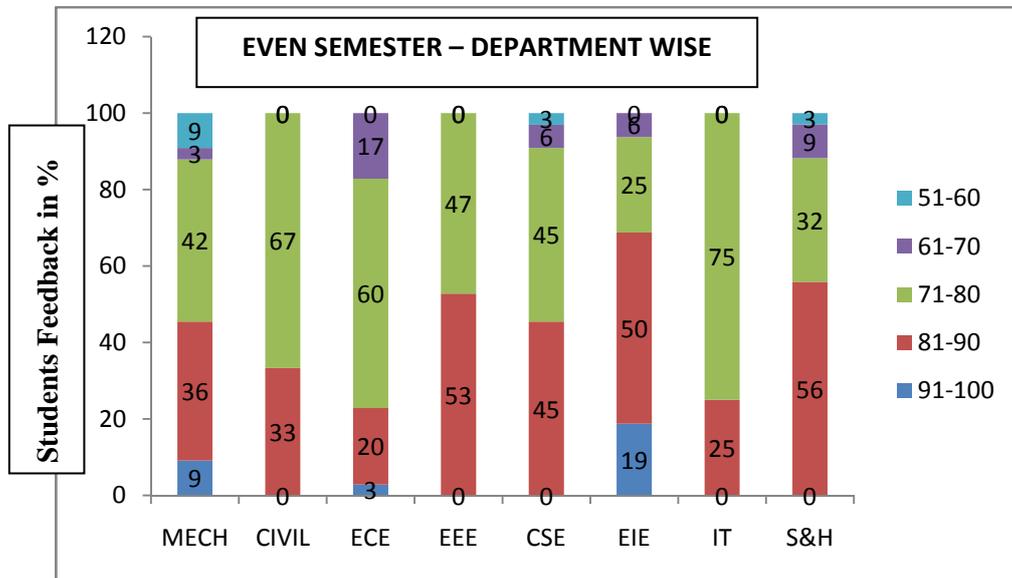
- ❖ Our Students have participated in the Anna University Chennai, Zone-18 Inter Collegiate Games & Sports and got Winners in Men Tennis & Women Ball Badminton, Runners in Women Badminton.
- ❖ Women Athletics got Second Place in 200Mts, 800Mts, 1500Mts, Long Jump and Third Place in 100Mts and 400Mts.
- ❖ Women Volley Ball Team got Third Place in State level MEPCO Trophy Tournament held at MEPCO Engineering College, Sivakasi from 29th to 31st July 2015.

Tournaments organized by NEC:

- ❖ Every year we conduct All India Hockey Tournament in the memory of our Chairman's mother Lakshmi Ammal. This year we propose to conduct 8th All India Lakshmi Ammal Memorial Hockey Tournament from 19th May to 29th May 2016.
- ❖ Anna University Chennai, Zone 18 Men & Women Chess tournament was organized at our college campus on 1st & 2nd September 2015.
- ❖ Anna University Chennai, Zone 18 Men Foot Ball tournament was organized at our college campus from 12th to 14th September 2015.
- ❖ NEC State Level Inter School Chess Competition & Veteran State Championship was organized at our college campus on 1st & 2nd November 2015.

Annexure III**FEEDBACK FROM STAKEHOLDERS – ANALYSIS****Students Feedback about the Performance of Faculties (Semester Wise)**

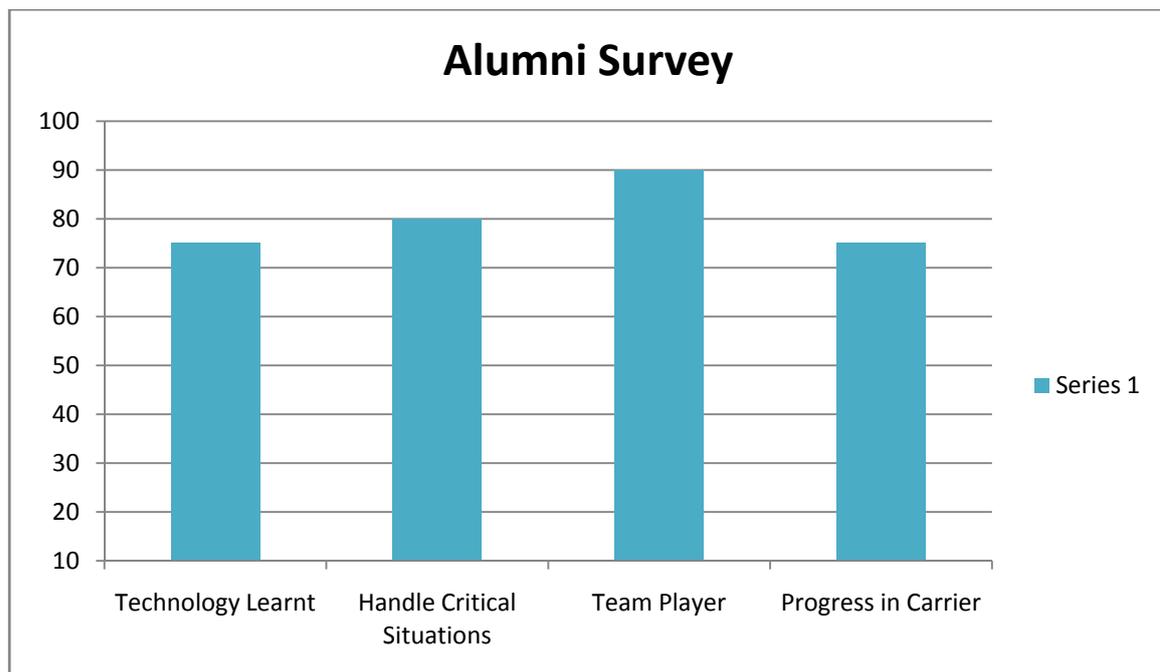
In %	MECH	CIVIL	ECE	EEE	CSE	EIE	IT	S&H
91-100	0	0	0	7	6	0	6	0
81-90	37	75	19	33	42	50	13	43
71-80	40	25	66	59	47	44	63	51
61-70	17	0	16	0	6	6	19	3
51-60	3	0	0	0	0	0	0	3



In %	MECH	CIVIL	ECE	EEE	CSE	EIE	IT	S&H
91-100	9	0	3	0	0	19	0	0
81-90	36	33	20	53	45	50	25	56
71-80	42	67	60	47	45	25	75	32
61-70	3	0	17	0	6	6	0	9
51-60	9	0	0	0	3	0	0	3

*Questions for Alumnus

1. What is your current academic/ professional career status?
2. How does the subject learning help you while dealing the technical problems related to work?
3. What extent does the programme help you to develop your attitude towards team work and decision making?
4. Is the learned knowledge helping for your personal and professional development?
5. What about the quality of education provided by us with respect to your career?



*Questions for Employers

1. Did the candidate have sufficient technology background based on your job needs?
2. Does the candidate possess the expertise with respect to real time application development?
3. What is the level of the candidate key competencies to be a successful employee of your organization?
4. Kindly state the contribution of the candidate in achieving the strategic vision of your organization.
5. What is the level of the candidate in respecting the values and ethics of your organization?

Parents Feedback

The following points are observed from the feedback of parents while conducting PTA meeting.

- i. Quality of teaching offered by the college is good.
- ii. Examination system adopted by the college has been improved.
- iii. Discipline maintained by the college is excellent.
- iv. Technical knowledge and communication skills acquired by student after the admission to our college is fair.
- v. Water scarcity and power shortage problem in the college is highlighted by the parents.
- vi. Placement related activities are excellent.