



NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University Chennai)

K. R. Nagar, Kovilpatti-628503

INTERNAL QUALITY ASSURANCE CELL

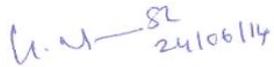
**ANNUAL QUALITY
ASSURANCE REPORT
2013 - 2014**

Submitted to

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

Certificate

This is to certify that the **Annual Quality Assurance Report 2013-2014** 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.

 24/06/14

Dr.K.Manisekar

Coordinator - IQAC

 27/6/14

Dr.P.Subburaj

Principal

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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

NALATTINPUZHUR (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

Dr.P.Subburaj

Institution:

Tel. No. with STD Code:

04632-227441

Mobile:

9442566502

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

| Sl. 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

Got NAAC accreditation in the year 2014 for the first time. This is the first AQAR to be submitted.

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)

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

ANNA UNIVERSITY, CHENNAI

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

| | | | |
|----------------------------------|----------------------|------------------------------|----------------------|
| UGC-Special Assistance Programme | <input type="text"/> | DST-FIST | <input type="text"/> |
| UGC-Innovative PG programmes | <input type="text"/> | Any other (<i>Specify</i>) | <input type="text"/> |
| UGC-COP Programmes | <input type="text"/> | | |

2. IQAC Composition and Activities

| | |
|---|---|
| 2.1 No. of Teachers | <input type="text" value="04"/> |
| 2.2 No. of Administrative/Technical staff | <input type="text" value="03"/> |
| 2.3 No. of students | <input type="text" value="02"/> |
| 2.4 No. of Management representatives | <input type="text" value="01"/> |
| 2.5 No. of Alumni | <input type="text" value="02"/> |
| 2.6 No. of any other stakeholder and community representatives | <input type="text" value="01"/> |
| 2.7 No. of Employers/ Industrialists | <input type="text" value="01"/> |
| 2.8 No. of other External Experts | <input type="text" value="01"/> |
| 2.9 Total No. of members | <input type="text" value="15"/> |
| 2.10 No. of IQAC meetings held | <input type="text" value="03"/> |
| 2.11 No. of meetings with various stakeholders: | No. <input type="text" value="07"/> Faculty <input type="text" value="03"/> |
| Non-Teaching Staff | <input type="text" value="01"/> |
| Students | <input type="text" value="01"/> |
| Alumni | <input type="text" value="01"/> |
| Others | <input type="text" value="02"/> |
| 2.12 Has IQAC received any funding from UGC during the year? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| If yes, mention the amount | <input type="text"/> |

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- PG | <ol style="list-style-type: none"> 1) Advanced Image Processing and Networking 2) Research Perspectives on Speech and Language Processing for Human – Computer Interaction |
| CSE | <ol style="list-style-type: none"> 1) Up gradation of Faculties' Technical Skills 2) Theory of Computation 3) Computational Complexity 4) Mobile & Pervasive Computing 5) High speed networks 6) Green Networking 7) Latex Essentials for Beginners 8) BIOCLOUD 9) Mobile App. Development |
| ECE | <ol style="list-style-type: none"> 1) Advances on Electronics and Communication 2) Advances in VLSI design |
| EEE | <ol style="list-style-type: none"> 1) Implementation of Soft Computing Techniques using MATLAB 2) Recent advancements in the field of High Voltage Testing Techniques 3) MATLAB for power electronics 4) A Review of electronics and circuit troubleshooting 5) Programmable logic controller 6) Network simulator 7) ARM Processor 8) PCB Design |
| EIE | <ol style="list-style-type: none"> 1) Outcome based education 2) Enhance the knowledge in Embedded System Design 3) Enhance the knowledge in PLC and DCS 4) Exploring the grey areas in the field of NDT Engineering to stoke the research Issues on Non Destructive Evaluation |
| IT | <ol style="list-style-type: none"> 1) Programming Practice on Image processing using MATLAB 2) Network Simulator (NS2) 3) Exploration and innovation in advanced computing 4) Entrepreneurship Awareness Camp 5) Hands on training on Website Development-Dream Viewer-c 6) Hands on Training on Android Apps 7) Hands on Training on Web Apps |
| MECH | <ol style="list-style-type: none"> 1) Recent Advances in Mechanical Engineering 2) Recent Advances in Automobile Engineering 3) Engineering Mechanics 4) New Frontiers and Recent Advancements in Tribology 5) Next generation technologies for sun-wind energy conversion |
| S & H | <ol style="list-style-type: none"> 1) Emerging Concepts & Trends in Bioinorganic Chemistry 2) Advanced Theory in Matrices |

2.14 Significant Activities and contributions made by IQAC

Interaction with Heads and faculties of each and every department for maintaining and sustaining quality education as directed by IQAC

2.15 Plan of Action by IQAC/Outcome

| Plan of Action | Achievements |
|---|--|
| 1) Motivate the faculties for undertaking quality research activities and bring out more number of research projects and publications 2) Encourage faculties to apply and organize funded workshops/seminars/conferences in national and international levels 3) Increase the students placement activities 4) Increase the number of electives in curriculum to meet out employee market needs 5) Increase the infrastructural facilities of the institution to promote research 6) Create awareness among students about Entrepreneurship through Entrepreneurship development Programmes 7) Minimize the use of papers in administration | 1) Research projects ongoing and sanctioned for a total worth of 148.47 Lakhs Publications: Journals – 104 and Conferences - 212. 2) Workshops/seminars/conferences organized International – 01; National - 28 State - 07; Institution - 22 3) No. of students placed: On campus – 54; Off Campus – 63 4) No. of electives added in curriculum – 10 5) Equipments are purchased by individual departments to promote research activities 6) An Entrepreneurship development programme was organized for the benefit of the students 7) E-management system has been implemented to communicate effectively among students and faculties |

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

After careful investigation of AQAR, the management advised to rectify all the shortcomings in the forthcoming academic year in addition to examination and evaluation reforms

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-II

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. |
|---|

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

| |
|----|
| No |
|----|

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

2.1 Total No. of permanent faculty

| Total | Asst. Professors | Associate Professors | Professors | Others |
|-------|------------------|----------------------|------------|--------|
| 213 | 170 | 24 | 19 | 01 |

2.2 No. of permanent faculty with Ph.D.

| |
|----|
| 35 |
|----|

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 |
| 45 | --- | --- | --- | --- | --- | 01 | --- | 46 | --- |

2.4 No. of Guest and Visiting faculty and Temporary faculty

| | | |
|-----|-----|----|
| --- | --- | 01 |
|-----|-----|----|

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 | - | 7 | - | 26 | 8 | 3 | - | - | - |
| CSE PG | - | 9 | 1 | 11 | 19 | 2 | - | - | 2 |
| ECE | - | 16 | 5 | - | 20 | 5 | - | - | 2 |
| EEE | - | 16 | 1 | 18 | 5 | 4 | - | - | - |
| EIE | 20 | 20 | 2 | 1 | 1 | - | - | - | 4 |
| IT | - | 10 | 1 | - | 20 | 1 | - | - | - |
| MECH | - | - | - | 20 | - | - | - | - | - |
| CMS | 1 | - | - | 18 | - | - | - | - | - |
| CES | - | - | - | 6 | 1 | 1 | - | - | - |

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

- | |
|--|
| <ul style="list-style-type: none"> i. Curriculum and syllabus updation based on Outcome Based Education. ii. Continuous evaluation methods followed with the use of IT gazettes during teaching and learning. iii. Use of interactive leaning and problem solving methodologies. iv. Use of e-learning resources. v. Creation of learning environment in classes which induces critical thinking, creativity and scientific temper. vi. Project and field experiences are compulsory part of courses. vii. Recognition to innovative and creative contributions of faculty and students. viii. Sharing the experiences of experts in the form of guest lecture and practical demonstrations. |
|--|

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

162

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

- | |
|---|
| <ul style="list-style-type: none"> i. Daily Test has been conducted for each subject ii. All Internal Assessment Tests have been conducted as per University Question Pattern |
|---|

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

35

30

28

2.10 Average percentage of attendance of students

94.4 %

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. Production Engineering | 10 | 10 | 90 | --- | --- | 100 |
| M.E. Energy Engineering | 17 | 11.8 | 88.2 | --- | --- | 100 |
| M.E. Communication Systems | 17 | 29.4 | 70.6 | --- | --- | 100 |

| | | | | | | |
|---|-----|------|------|-----|-----|------|
| M.E. Computer Science and Engineering | 25 | 12 | 88 | --- | --- | 100 |
| M.E. Computer and Communication | 18 | 22.3 | 77.7 | --- | --- | 100 |
| M.E. High Voltage Engineering | 18 | 33.3 | 66.7 | --- | --- | 100 |
| M.E. Control & Instrumentation | 16 | 25 | 75 | --- | --- | 100 |
| M.C.A. Master of Computer Applications | 54 | 7.4 | 90.7 | --- | --- | 98.1 |
| Mechanical Engineering | 130 | 4.6 | 89.2 | 2.3 | --- | 96.1 |
| Electronics and Communication Engineering | 129 | 16.3 | 72.9 | 8.5 | --- | 97.7 |
| Computer Science and Engineering | 131 | 7.6 | 84.8 | --- | --- | 92.4 |
| Electrical and Electronics Engineering | 63 | 7.9 | 87.3 | --- | --- | 95.2 |
| Electronics and Instrumentation Engineering | 65 | 4.6 | 92.3 | 3.1 | --- | 100 |
| Information Technology | 63 | 1.5 | 87.3 | 6.4 | --- | 95.2 |

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

- i. Attainment of course outcomes and mapping of course outcomes with program outcomes are evaluated by the Academic Audit Cell.
- ii. Improvement in teaching and learning processes are monitored by academic advisory committee.

2.13 Initiatives undertaken towards faculty development

| <i>Faculty / Staff Development Programmes</i> | <i>Number of faculty benefitted</i> |
|---|-------------------------------------|
| Refresher courses | --- |
| UGC – Faculty Improvement Programme | --- |
| HRD programmes | 75 |
| Orientation programmes | 123 |
| Faculty exchange programme | --- |
| Staff training conducted by the university | --- |

| | |
|--|-----|
| Staff training conducted by other institutions | --- |
| Summer / Winter schools, Workshops, etc. | --- |
| Others (Technical Workshop by INFOSYS) | 6 |

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 | 16 | 02 | 03 | --- |
| Technical Staff | 51 | 03 | 02 | 01 |

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 Journals
- ii. Faculties are emphasized on doing Government funded minor research projects by faculty
- iii. Addressing various research schemes 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 | 8 | 7 | 3 | 21 |
| Outlay in Rs. Lakhs | 138.48 | 114.95 | 33.52 | 2.91crores |

3.3 Details regarding minor projects

| | Completed | Ongoing | Sanctioned | Submitted |
|---------------------|-----------|---------|------------|-----------|
| Number | 1 | 1 | --- | 5 |
| Outlay in Rs. Lakhs | 0.45 | 0.35 | --- | 0.8 |

3.4 Details on research publications

| | International | National | Others |
|--------------------------|---------------|----------|--------|
| Peer Review Journals | 64 | 2 | --- |
| Non-Peer Review Journals | 26 | 12 | --- |
| e-Journals | 1 | --- | --- |
| Conference proceedings | 93 | 119 | --- |

3.5 Details on Impact factor of publications:

Range 0.068 to 10 Average 2.3

h-index 44 Nos. in SCOPUS 44

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

| Nature of the Project | | Duration Year | Name of the funding Agency | Total grant sanctioned | Received |
|--|----------------|-----------------------|--|--|--------------------|
| Major projects | CSE | 1 | AICTE MODROBS | 6.8 Lakhs | 5.44 Lakhs |
| | | 2 | AICTE (Research Promotion Scheme) | 9.7 Lakhs | 9.7 Lakhs |
| | ECE | 3 | IGCAR, Kalpakkam | 15.83 Lakhs | 12.17 Lakhs |
| | | 1 | AICTE – MODROBS | 12 Lakhs | 9.6 Lakhs |
| | EEE | 3 | AICTE “RPS” | 9.75 Lakhs | 8.58 Lakhs |
| | EIE | 3 years (2011 – 2014) | BRNS,Mumbai | 23.56 Lakhs | 23.56 Lakhs |
| | | 3 years (2012 - 2015) | ICMR,New Delhi | 13.09 Lakhs | 7.34 Lakhs |
| | | 1 year (2013 – 2014) | AICTE, New Delhi | 6 Lakhs | 4.8 Lakhs |
| | IT | 3 years (2012- 2015) | Indian Council of Medical Research (ICMR), New Delhi | 13.09 Lakhs | 9.42 Lakhs |
| | MECH | 3 Years | BRNS | 33.53 Lakhs | 33.53 Lakhs |
| | | 2 Years | AICTE | 12.5 Lakhs | 12.16 Lakhs |
| | S & H | 3 | BRNS | 14.15 Lakhs | 28.19 Lakhs |
| | | 3 | DST | 29 Lakhs | 29 Lakhs |
| | | 3 | CSIR(on going) | 11.45 Lakhs | 3.6 Lakhs |
| | Minor Projects | CSE | 2 | Institution of Engineers(India, Kolkata) | 1.5 Lakhs |
| EEE | | 1 | IE(I) | 0.35 Lakhs | Yet to be received |
| Interdisciplinary Projects | | - | - | - | - |
| Industry sponsored | | - | - | - | - |
| Projects sponsored by the University/ College | | - | - | - | - |
| Students research projects (other than compulsory by the University) | CSE | 1 | TNSCST | 0.075 Lakhs | Nil |
| | | 1 | IE | 0.2 Lakhs | Nil |
| | ECE | 1 | TNSCST | 0.15 Lakhs | - |
| | EIE | 1 | TNSCST | 0.09 Lakhs | 0.09 Lakhs |
| Any other(Specify) | ECE | 1 | Madurai Corporation | 10.25 Lakhs | 9.11 Lakhs |
| Total | | | | 223.07Lakhs | 207.79Lakhs |

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges
Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences
organized by the Institution

| Level | International | National | State | University | College |
|---------------------|---------------|----------|-------|------------|---------|
| Number | 01 | 04 | --- | --- | --- |
| Sponsoring agencies | INSA | DST,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 Nil

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 |
|-------|---------------|----------|-------|------------|------|---------|
| 22 | 2 | 6 | 1 | --- | --- | 13 |

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

26

155

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

11

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

JRF

2

SRF

Project Fellows

3

Any other

3.21 No. of students Participated in NSS events:

University level

--

State level

--

National level

3

International level

--

3.22 No. of students participated in NCC events:

University level

--

State level

11

National level

2

International level

--

3.23 No. of Awards won in NSS:

University level

--

State level

--

National level

1

International level

--

3.24 No. of Awards won in NCC:

University level

--

State level

--

National level

3

International level

--

3.25 No. of Extension activities organized

University forum

--

College forum

--

NCC

6

NSS

--

Any other

--

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

Through NCC

- i. Thirupadaimaruthur Sivan Temple Kumbhabisekam
- ii. Trekking Camp at Kalakkad Plastic Awareness Rally
- iii. Voters Day Awareness Rally, NCC and NSS Combined-Kovilpatti RTO
- iv. Engineer's Day Celebration – Paper Presentation, Quiz and Situation Reality Test (SRT)
- v. Thirupadaimaruthur Sivan Temple Thaipusam festival Banthopasthu
- vi. "Water Conservation and Tobacco Awareness Rally"

Through Departments

- i. Microsoft Office Package for Junior Assistants in various Schools of Thoothukudi District
- ii. Online HSS Students Detail Entry Training for Head Masters
- iii. Computer Training Programme for VAO's and Revenue Assistants
- iv. Computer Training for Panchayat Presidents and Secretaries

Through Clubs

- i. Blood donation camp
- ii. Medical Camp for free medical checkup
- iii. Water conservation week
- iv. Energy conservation meetings

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

4.1 Details of increase in infrastructure facilities:

| Facilities | | Existing | Newly created | Source of Fund | Total |
|---|---------------|----------|---------------|-----------------------|------------|
| Campus area in Sq. meter | Total area | --- | | | 4,93,718.5 |
| | Built-up area | 58987 | 21207 | Fund from Institution | 80,194.03 |
| Class rooms in nos. | | 72 | 9 | | 81 |
| Laboratories in nos. | | 51 | 5 | | 56 |
| Seminar Halls in nos. | | 5 | 2 | | 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

| | |
|------|---|
| i. | Use of OPAC software in library. |
| ii. | Use of computers and data storage in all administration & library sections. |
| iii. | Use of ERP system for student attendance and assessment marks entry. |
| iv. | Use of Bio-metric finger print system for faculty attendance. |
| v. | Use of Tally software for account maintenance. |

4.3 Library services:

| | Existing | | Newly added | | Total | |
|------------------|----------|---------------|-------------|---------------|-------|---------------|
| | Title | Volume | Title | Volume | Title | Volume |
| Text Books | 17901 | 50868 | 906 | 1023 | 18807 | 51891 |
| Reference Books | 905 | 969 | - | 7 | 905 | 976 |
| e-Books | - | 740 | - | - | - | 740 |
| Journals | - | 209 | - | - | - | 209 |
| e-Journals | - | 7 Packages | - | 2 Packages | - | 2 Packages |
| Digital Database | - | - | - | - | - | - |
| CD & Video | - | 2325 | - | - | - | 2325 |
| Others | | | | | | |
| Student Projects | - | 2005 | - | 467 | - | 2472 |
| Back Volumes | - | 2214 | - | 200 | - | 2414 |

4.4 Technology up gradation (overall)

| | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Others |
|----------|-----------------|---------------|------------|------------------|------------------|--------|--------|
| Existing | 1105 | 27 | 20 MBPS | 6 | 5 | 16 | 8 |
| Added | 171 | 3 | | - | 1 | - | 2 |
| Total | 1276 | 30 | | 6 | 6 | 16 | 10 |

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

- National level workshop on “Exploring Mat lab” was conducted to other college faculty members and internal faculty members. From various Institutions, staff members and students attended the workshop and benefited.
- National Level Seminar on “Research Perspectives on Speech and Language Processing for Human - Computer Interaction” has been organised to uplift the researches in the area of Natural Language Processing and Central Institute of Indian Languages (CIIL) has sponsored Rs.75,000 to CSE-PG department for organizing the same during 02.01.2014 & 05.01.2014
- National Conference on Image Processing and Networking (NACIPAN’14) is organised in the recent research area such as Image Processing, Networking and Data Mining on 06.03.2014 & 07.03.2014
- 2 one day orientation program for polytechnic students between 01.03.2014 and 05.03.2014
- Computer Training Programme for VAO’s and Revenue Assistants on 16.09.2013 to 20.09.2013
- A Five Day Computer Training Programme for panchayat Presidents and Secretaries from 04.11.2013 to 08.11.2013
- One day awareness program for IAS/IPS Service Examination on 14.12.2013
- One day National Conference on Advanced Electronic Communications “ADELCO 2014” on 04.03.2014
- ICMR sponsored Two days National level seminar on “Research Issues in Thermography” on 4.10.2013 & 5.10.2013
- One day National level technical symposium NECTAR 2K14 on 06.03.2014
- Career Guidance Program by Mr.Esakkimuthu, River Silica Pvt Ltd. on 31.08.2013
- Technical Talk on “Enabling Project based Learning with MATLAB, Simulink and Target Hardware” on 03.03.2014
- Career Guidance Program by Mr.Muralidharan, Software Engineer, HCL Technologies, Chennai on 01.02.2014&15.02.2014

- AICTE Sponsored Faculty Development Program on “Advanced VLSI Technology” from 15.07.2013 to 20.07.2013
- Smart class room with UST projector was established worth 1.4 lakhs.
- SIG (Special interest groups) was formed and classes are taken by staff members.
- Workshop for Outcome Based Education was attended by our faculty members.
- Hands on training on Embedded system design
- Microsoft Office Package for Junior Assistants in various Schools of Thoothukudi District
- Online HSS Students Detail Entry Training for Head Masters
- Workshop on Network Simulator (NS2)
- CANBUS Implementation for Mechanical Engineers
- Smart Class Room Training for Faculty
- ERP Training for Faculty
- Online Aptitude Training for I Year Students

4.6 Amount spent on maintenance in lakhs:

| | |
|--|---------------------|
| i) ICT | 6.27 Lakhs |
| ii) Campus Infrastructure and facilities | 70.39 Lakhs |
| iii) Equipments | 33.58 Lakhs |
| iv) Others | 11.59 Lakhs |
| Total : | 121.83 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. Training & placement assistance through alumni. ii. Placement brochure at Training & Placement cell. iii. Gate coaching. iv. Common computer centre for surfing. v. Provision of Hi-tech Gym. vi. Health centre facility. vii. Dr.Kannappan Memorial Scholarship for academically excellent & financially poor student. viii. Grievance redressal committee. ix. Arrangement of Industrial Visit to enhance practical knowledge. |
|---|

5.2 Efforts made by the institution for tracking the progression

- | |
|--|
| <ul style="list-style-type: none"> i. Conduct career development programs for students. ii. Following transparent admission procedure iii. Highlighting achievements of students in College news letter. iv. Making college Bus facility available on field visits. v. Making parents meet and informing them on the progress of their children. vi. 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 |
|--|

5.3 (a) Total Number of students

| UG | PG | Ph.D | Others |
|------|-----|------|--------|
| 2723 | 406 | 5 | Nil |

(b) No. of students outside the state

4

(c) No. of international students

1

| | | | | | |
|-----|------|-------|-------|------|-------|
| Men | No | % | Women | No | % |
| | 1517 | 48.48 | | 1612 | 51.52 |

| Last Year | | | | | | This Year | | | | | |
|-----------|-----|----|------|-----------------------|-------|-----------|-----|----|------|-----------------------|-------|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| 712 | 296 | 7 | 2000 | 4 | 3019 | 728 | 324 | 8 | 2069 | 2 | 3129 |

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

| | |
|-------|--|
| i. | Online aptitude Test |
| ii. | Technical aptitude test |
| iii. | Technical Seminar |
| iv. | Group Discussion |
| v. | Aptitude classes for placement |
| vi. | Conferences |
| vii. | Special Training Program on new Technology |
| viii. | BEC course |
| ix. | IAS coaching |
| x. | Gate coaching classes |
| xi. | Career Development program |

No. of students beneficiaries

564

5.5 No. of students qualified in these examinations

| | | | | | | | |
|-------------|----|-----------|----|------|----|--------|----|
| NET | -- | SET/SLET | -- | GATE | 14 | CAT | 3 |
| IAS/IPS etc | 1 | State PSC | 1 | UPSC | -- | Others | -- |

5.6 Details of student counselling and career guidance

| | |
|-------|---|
| i. | Student mentor system to counsel and guide the students |
| ii. | Technical orientation programme for I year students |
| iii. | Aptitude Training Programme to enhance the problem solving skills of students |
| iv. | BEC Course to improve the communication skills of students |
| v. | GATE and CAT Coaching for student's higher studies |
| vi. | IES Training for student's career guidance |
| vii. | NEC IAS Academy for IAS examination coaching |
| viii. | Student Counselling on Ethics and Social Development |
| ix. | Organized yoga programmes to improve the self confidence of students |
| x. | 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 benefitted

1363

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 |
| 11 | 519 | 54 | 63 |

5.8 Details of gender sensitization programmes

| | |
|-----|---|
| i. | Women empowerment cell is constituted |
| ii. | Women's day is celebrated in the campus |

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

| | Number of students | Amount |
|--|--------------------|-------------|
| Financial support from institution | 37 | 11,29,000 |
| Financial support from government | 763 | 1,15,46,145 |
| Financial support from other sources | 33 | 3,40,800 |
| Number of students who received International/ National recognitions | --- | --- |

5.11 Student organised / initiatives

| | | | | | | |
|-------------|---------------------------|--------------------------------|----------------|--------------------------------|---------------------|----------------------------------|
| Fairs | : State/ University level | <input type="text" value="9"/> | National level | <input type="text" value="6"/> | International level | <input type="text" value="---"/> |
| Exhibition: | State/ University level | <input type="text" value="3"/> | National level | <input type="text" value="2"/> | International level | <input type="text" value="---"/> |

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

- i. Due to short in rain fall in most of the Tamilnadu, there was scarcity of water. This was rectified by providing water from outside using tankers. Nearly 2,00,000 litres of water was served per day to meet out daily requirements
- ii. Similarly to meet out the power shortage, generators of 4 numbers with the following capacities: 500 kVA, 320 kVA, 300 kVA & 200 kVA and 3 numbers of 10 kW solar photo voltaic power plants have been installed in the campus
- iii. For maintaining pollution free campus, few of the generators run by bio-gas

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. The institution has a management information system.

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

6.3.1 Curriculum Development

- i. A meeting of alumnus, industrial experts and entrepreneurs is convened for each program to modify the curriculum and syllabi for the present need of the industries.
- ii. Based on the suggestions of the experts, the curriculum and syllabus have been revised and passed in the board of studies meeting and academic council meeting.

6.3.2 Teaching and Learning

- i. Implementation of outcome based education.
 - a. Defining course outcomes to meet out program outcomes.
 - b. Identifying content delivery method.
 - c. 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 from continuous assessment test 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. The papers are valued by the External and Internal Examiners on the ratio 60:40.
- vi. Automation of the examination cell to ensure timely declaration of results to keep the academic calendar on schedule.

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. 4,76,654/-
 - c. E-Journals to the worth of Rs. 8,24,390/-
- ii. Central library and department libraries are equipped with Air-conditioner
- iii. OPAC Software is provided for personal assistance to each and every user while accessing the library books
- iv. Library staff also guides the users in subsequent uses.
- 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. Releasing the advertisement in the Leading daily newspapers.
- ii. Scrutinizing of Application 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

- i. MoU's have been signed with the following concerns for to enhance the campus recruitment and project training for the student community
 - a. M/s. Edgate Technologies, Bangalore
 - b. Sri Seshaa Technologies, Chennai
- ii. Library has signed MoU with DELNET, New Delhi

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 | Transport facilities Staff Quarters Medical and Maternity Leave EPF Staff Club Group Insurance |
| Non teaching | Transport facilities, Staff Quarters, Medical and Maternity Leave, EPF, Staff Club, Group Insurance |
| Students | NSS, NCC, ISTE chapter, IEE, 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?

- | |
|--|
| <ul style="list-style-type: none"> i. Course co-ordinators are requested to set questions as per Blooms Taxonomy for internal evaluation ii. Dummy number is followed in end semester examination iii. Results of the end semester examinations are published with in a month |
|--|

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. Senior Alumni having companies conduct campus interviews and recruit the Students. The Alumni working in MNCs will make arrangements to interact our college with HR for our student recruitment. They also involve in activities like conducting training programmes, seminars and workshops. The Alumni have also contributed scholarships for the poor students. Alumni have established computer centres in gents and ladies hostels for the benefit of hostel inmates. This year, best Alumni will be chosen and will be given the Best Alumni Award.

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 got and they are rectified before the next PTA meeting. According to the parents' suggestion in last year PTA meeting, this year, the students are given training programmes to improve their communication.

6.13 Development programmes for support staff

Training on Energy conservation is given by the Center for Energy Studies of Mechanical Engineering Department.

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

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.

| | |
|-------|--|
| i. | Introduced Outcome Based Education <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 |
| 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. |
| iii. | The following Career development programmes are organized to enhance student skills <ul style="list-style-type: none"> • Company Specific Training Programme for TCS, WIPRO, Etc... • Soft skill training programme |
| iv. | Introduced value added courses |
| v. | To create Environmental awareness among the students the syllabi of Environmental science subject has been modified related to programme |
| vi. | Comprehensive laboratory has been introduced to improve the communication skills of the rural based students |
| vii. | Staff and students are encouraged to prepare E-Assignments and E-Notes. |
| viii. | Coaching classes are conducted for students for various competitive examinations. |

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 | Achieved |
| | b) Information Technology | Not Achieved |
| | c) Electronics and Instrumentation Engineering | Achieved |
| | Batch-2: | |
| a) Electronics and Communication Engineering | Waiting for results | |
| b) Computer Science and | | |

| | | |
|--|---|---|
| | Engineering c) Electrical and Electronics Engineering | |
| It is proposed to get NAAC Accreditation for college with higher grade | Proposal Submitted to NAAC | Got NAAC Accreditation with less credit |
| Publication in Journals are to be improved | a) Advising faculties to register for Ph.D b) Incentives for publications c) Providing financial support and special leaves for attending workshops/Conferences and Training programmes | 5 faculty members have registered to pursue their Ph.D. No. of articles published: Int. /National Journals –104 Int./National Conferences – 212 Incentives for publications- Rs.4,46,390/- |
| Organized atleast one international level programme in a year | Each programme is insisted to organize a conference once in four years | Achieved: Department of Information Technology organized one international conference in January 2014 |
| Faculties are to be trained for implementation of OBE | Training programmes organized for faculties: Senior Professors – 02 Faculties – 03 Senior professors are sponsored for attending NBA workshops | OBE has been successfully implemented |

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

- | |
|---|
| <ul style="list-style-type: none"> i. Implementation of Outcome Based Education for International recognition of students and job opportunities ii. 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. NAAC accredited Institution
- ii. Academic Flexibility with the advent of autonomy
- iii. Attractive number of research projects
- iv. Qualified, committed and experienced faculty
- v. Nearly 40% of faculties having more than 15 years experience
- vi. Provision of Good Placement services
- vii. Word of mouth publicity through successful Alumni
- viii. Enhanced reputation among academicians with regular Faculty enrichment programmes through seminars/conferences/workshops / refresher courses/orientations
- ix. Innovative ICT – backed teaching- learning methodology
- x. Secured 7th Rank in Anna University ranking in 2012-13 among 500 colleges
- xi. Regularly conducting 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

Weakness

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

8. Plans of institution for next year

- i. To prepare curriculum for pre-final and final year UG Courses under Autonomy
- ii. To introduce bar coding, double valuation system and provision for getting photocopy of answer scripts for making more transparency in evaluation systems of examinations
- iii. To organize international conference from any one of the stream
- iv. To organize funded national conference/seminars/workshops /FDP for students and faculties
- v. To continue to organise Student Centric activities
- vi. To conduct entrepreneurial awareness workshops
- vii. To conduct Campus recruitment Training programmes
- viii. To arrange environmental awareness programmes for energy and water saving
- ix. To send students for internships
- x. To continue to arrange community development programmes through NCC, NSS, Junior Jaycee Club, Youth Red Cross and Rotaract Club
- xi. To arrange awareness programme for school children

Name Dr.K.Manisekar

Name Dr.P.Subburaj

K. M. SL 24/06/14

Signature of the Coordinator, IQAC

[Signature]
27/6

Signature of the Chairperson, IQAC

Annexure I

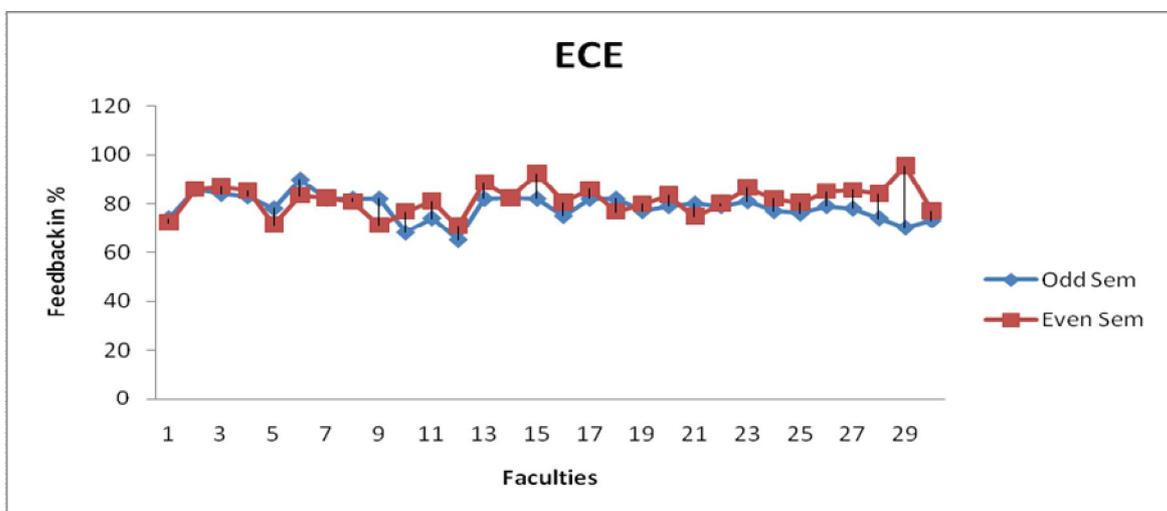
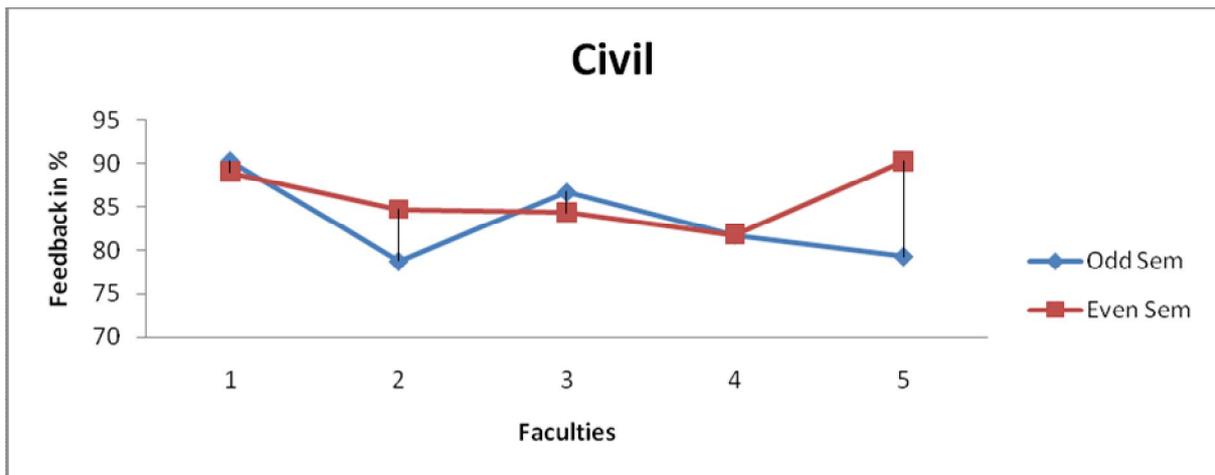
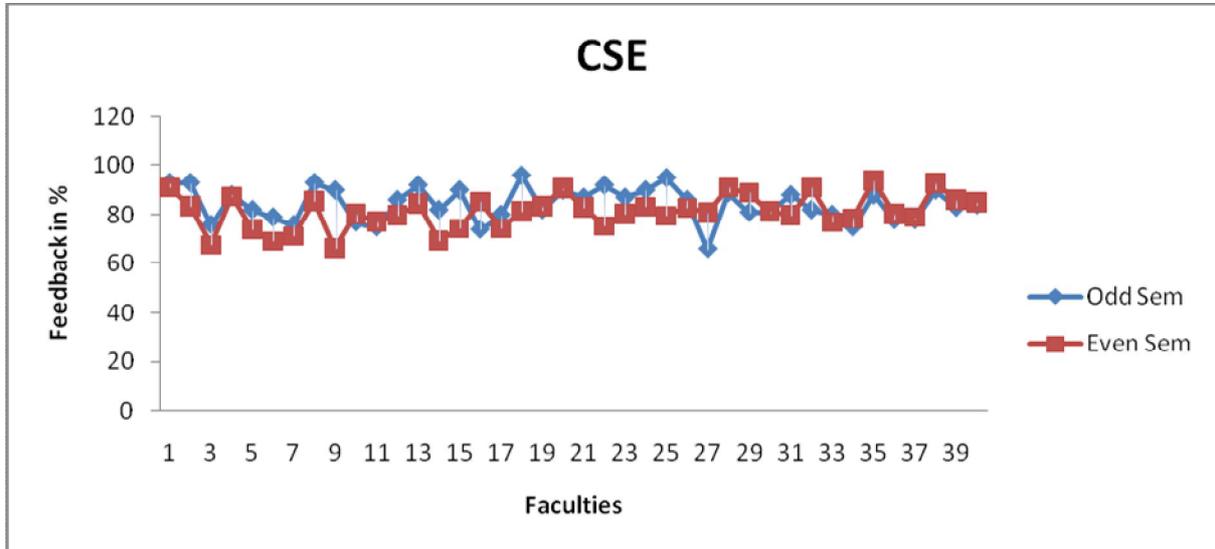
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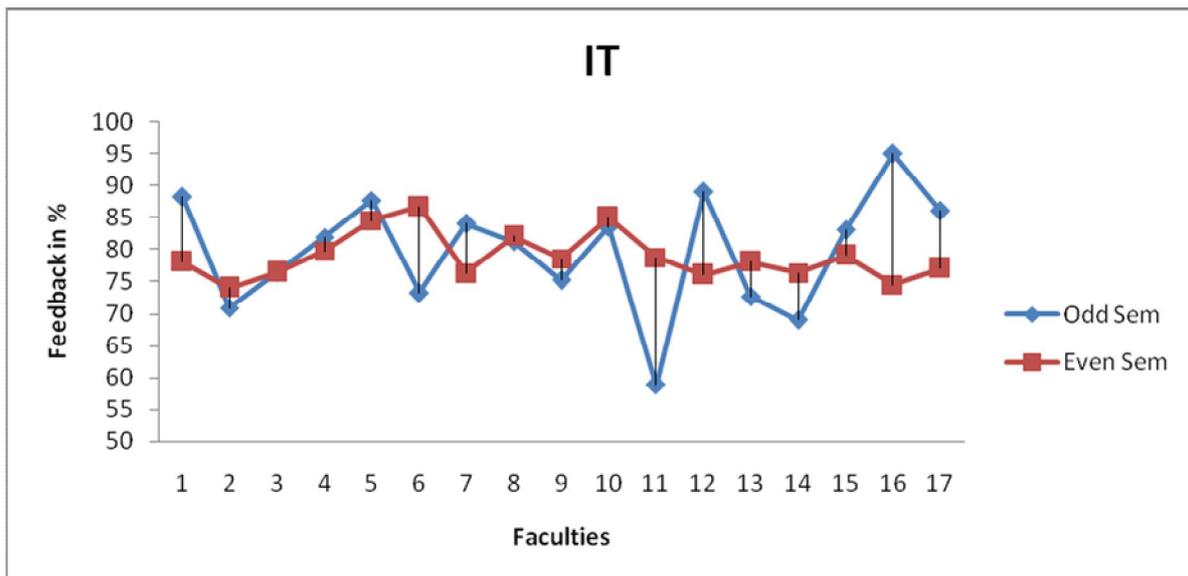
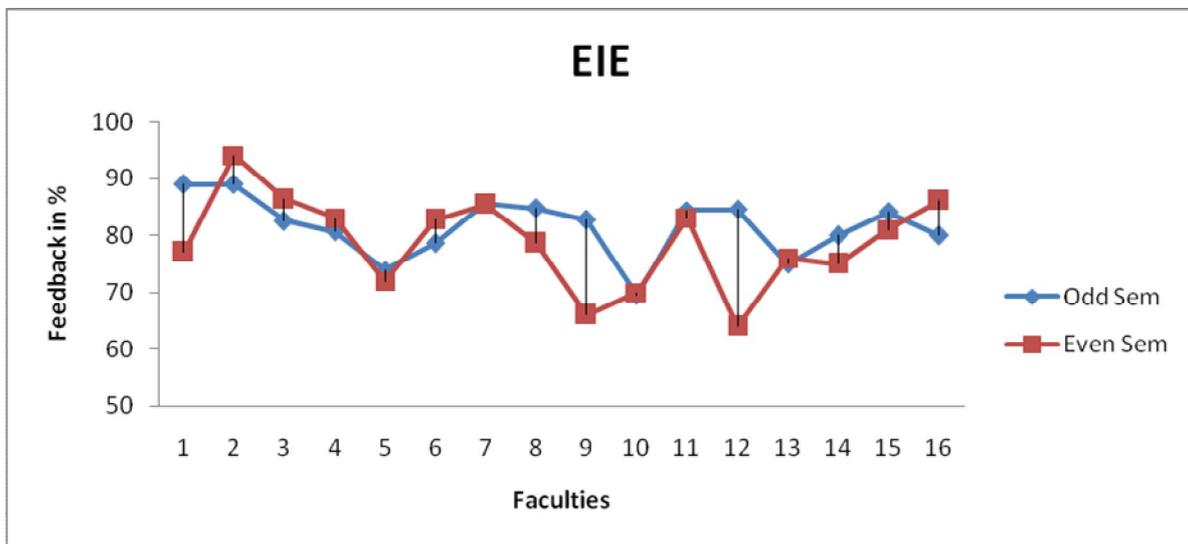
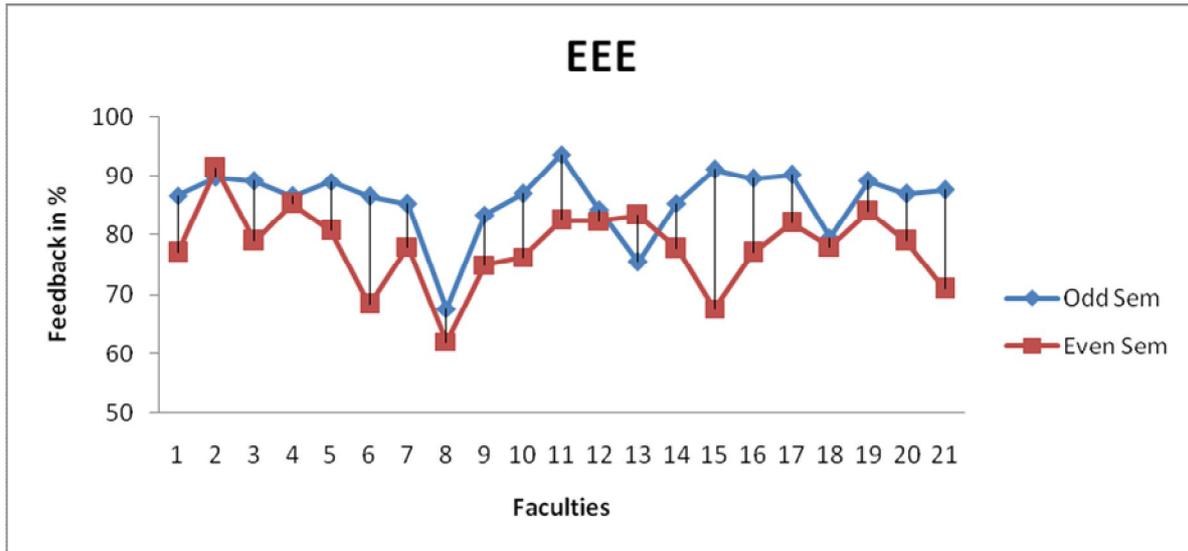
| | | |
|------|---|--|
| CAS | - | Career Advanced Scheme |
| CAT | - | Common Admission Test |
| CBCS | - | Choice Based Credit System |
| CE | - | Centre for Excellence |
| COP | - | Career Oriented Programme |
| CPE | - | College with Potential for Excellence |
| DPE | - | Department with Potential 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 |

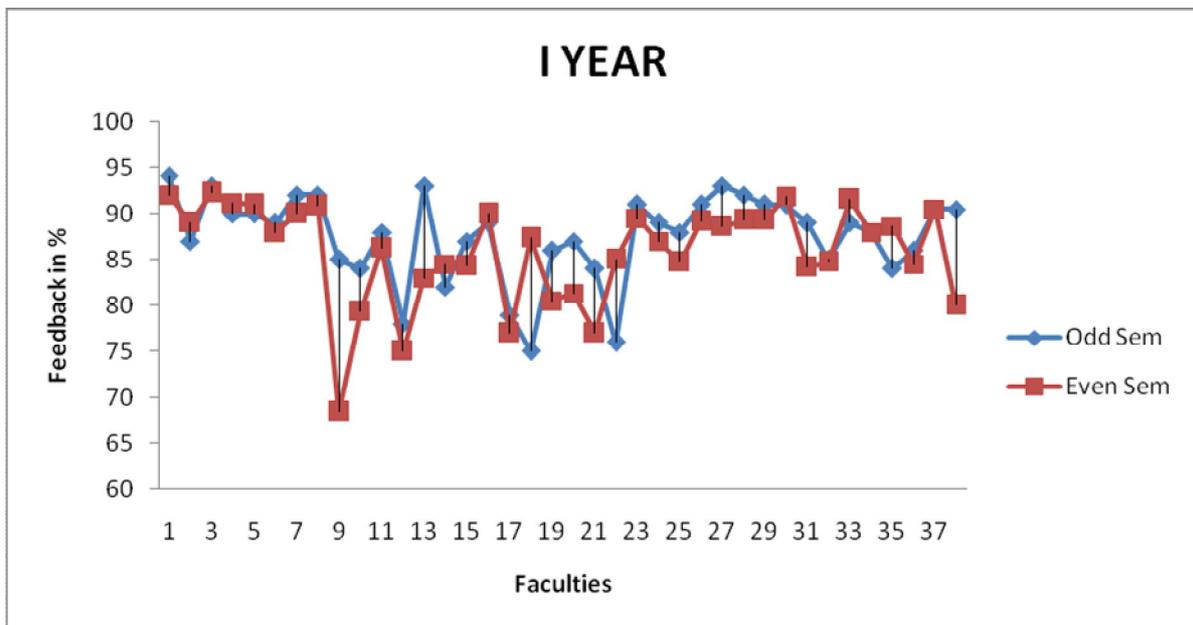
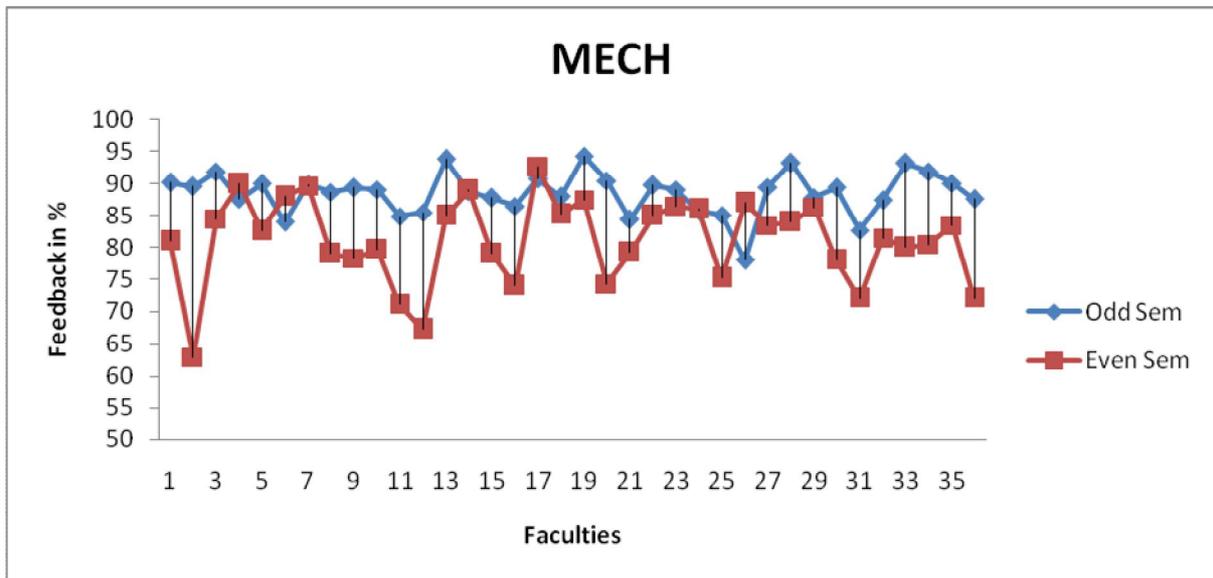
Annexure II

FEEDBACK FROM STAKEHOLDERS – ANALYSIS

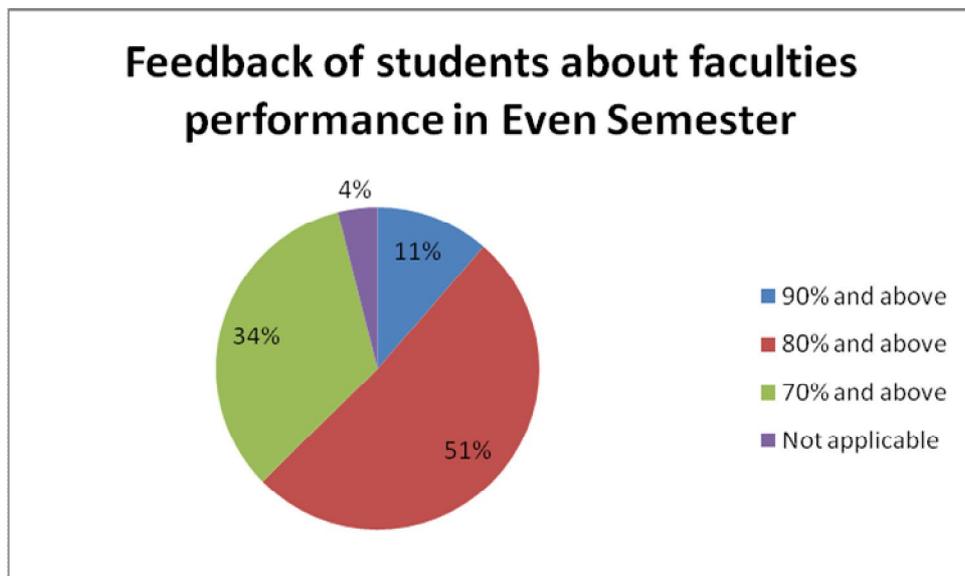
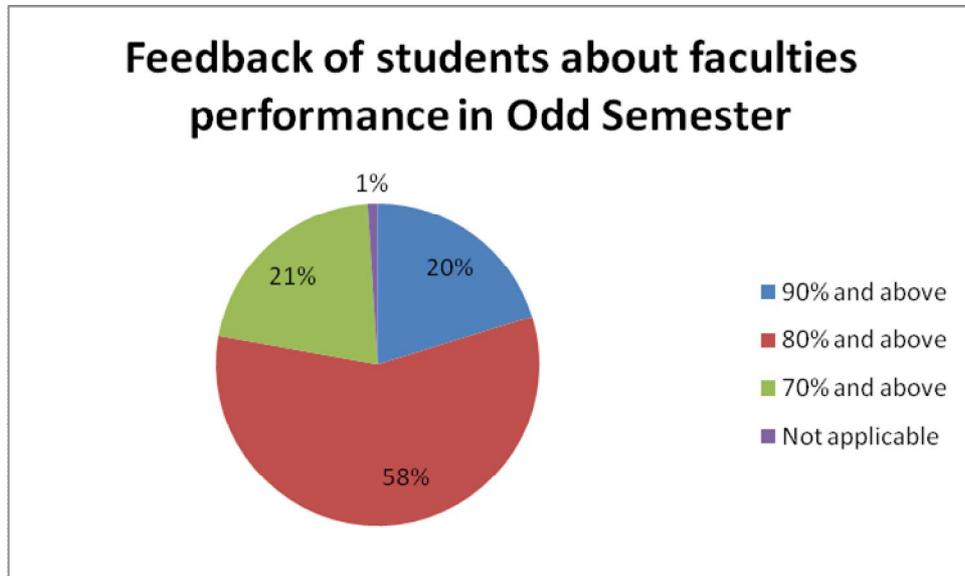
Students Feedback about the Performance of Faculties (Branch Wise)







Students Feedback about the Performance of Faculties (Semester Wise)



After the analysis of student's feedback about the performance of the staff (branch wise), it is concluded that there is no notable deviation in the performance from odd to even semester.

Alumni and Employers Feedback - Analysis

| Feedback Category | Q No.* | Weightage | Total no. of Responses | No. of positive Responses | Percentage of positive Responses |
|--------------------------|---------------|------------------|-------------------------------|----------------------------------|---|
| Alumni | 1 | 0.3 | 63 | 63 | 100 |
| | 2 | 0.2 | 63 | 52 | 82.53 |
| | 3 | 0.3 | 63 | 52 | 82.53 |
| | 4 | 0.1 | 63 | 53 | 84.12 |
| | 5 | 0.1 | 63 | 46 | 73.02 |
| Employer | 1 | 0.2 | 14 | 7 | 50 |
| | 2 | 0.3 | 14 | 12 | 85.7 |
| | 3 | 0.3 | 14 | 10 | 71.4 |
| | 4 | 0.1 | 14 | 12 | 85.7 |
| | 5 | 0.1 | 14 | 14 | 100 |

***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 is satisfactory
- 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