

NATIONAL ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University Chennai) K. R. Nagar, Kovilpatti – 628 503

> INTERNAL QUALITY ASSURANCE CELL

ANNUAL QUALITY ASSURANCE REPORT 2017 - 2018

Submitted to

National Assessment and Accreditation Council Bangalore, India

CERTIFICATE

This is to certify that the Annual Quality Assurance Report 2017 -18 forwarded to the National Assessment and Accreditation Council, Bengaluru is compiled from the data collected from the official records and is true to the best of our knowledge and belief.

N- 528/06/18

IQAC COORDINATOR (Dr.K.Manisekar)

29678

PRINCIPAL (Dr.S.Shanmugavel)

CONTENTS

| S. No. | PARTICULARS | Page No. | | | | | | | |
|--------|---|----------|--|--|--|--|--|--|--|
| 1. | PART – A | | | | | | | | |
| | Details of the Institution | 01 | | | | | | | |
| 2. | PART – B | | | | | | | | |
| | CRITERION I : Curricular Aspects | 06 | | | | | | | |
| | CRITERION II : Teaching – Learning and Evaluation | 08 | | | | | | | |
| | CRITERION III : Research, Innovations and Extension | 11 | | | | | | | |
| | CRITERION IV : Infrastructure and Learning Resources | 30 | | | | | | | |
| | CRITERION V : Student Support and Progression | 34 | | | | | | | |
| | CRITERION VI : Governance, Leadership and Management | 39 | | | | | | | |
| | CRITERION VII : Institutional Values and Best Practices | 47 | | | | | | | |
| | CRITERION VIII :Future Plans of actions for the next academic year | 51 | | | | | | | |
| 3. | ANNEXURES | | | | | | | | |
| | Annexure I – Abbreviations | 52 | | | | | | | |

The Annual Quality Assurance Report (AQAR) of the IQAC

(For Autonomous Colleges)

<u>Part – A</u>

| 1. | Name of the Institution | : | NATIONAL ENGINEERING COLLEGE |
|----|--|---|---|
| | | | K.R.Nagar, Kovilpatti – 628 503 |
| | Name of the Head of the institution | : | Dr.S.Shanmugavel, M.E., Ph.D. |
| | Designation | : | Principal |
| | Does the institution function from own campus | : | Yes |
| | Phone no./Alternate phone no. | : | 04632-227441 / 04632-222502 |
| | Mobile no | : | 9488702250 |
| | Registered Email | : | principal@nec.edu.in |
| | Alternate Email | : | iqac.nec@gmail.com |
| | Address | : | K.R.Nagar, Kovilpatti – 628 503, Thoothukudi Dist., Tamil Nadu |
| | City/Town | : | Kovilpatti |
| | State / UT | : | Tamil Nadu |
| | Pin Code | : | 628 503 |
| 2. | Institutional Status | : | |
| | Autonomous Status (provide the date of Conformant of Autonomous Status) | : | 23-05-2011 |
| | Type of Institution | : | Co-education |
| | Location | | Rural/ Semi-urban/Urban |
| | Financial Status (please specify) | : | Grants in aid/ UGC 2f and 12 (B)/ Self financing |
| | Name of the IQAC Co-ordinator / Director | : | Dr.K.Manisekar |
| | Phone no. /Alternate phone no. | : | 04632 - 222502 / 9442182502 |
| | Mobile | : | 9443002317 |
| | IQAC e-mail address | : | iqac.nec@gmail.com |
| | Alternate Email address | : | deanacd@nec.edu.in |
| 3. | Website address Web-link of the AQAR: (Previous Academic Year) | : | http://nec.edu.in/pdf/AQAR%202016-2017.pdf |

| 4. | duri if ye | ether Academic ng the year? s, whether it is up tutional website | _ | repared | | Yes. Weblink: <u>http://nec.edu.in</u> <u>18.pdf</u> | n/pdf/NI | EC%20Academic%20Calender%2020 | <u>17-</u> | |
|-----|--|---|---|---------------------|------------------------------------|---|--|---|------------|--|
| 5. | Acc | reditation Detail | S | | : | | | | | |
| | | Cycle | Grade | CG | FPA | Year of Accreditat | | Validity Period | | |
| | | 1^{st} | В | 2.5 | | 2014 | | 21.02.2014 - 20.02.2019 | | |
| | | 1 st Cycle Reassessment | B++ | 2.83 | 3 | 2017 | | 22.02.2017 - 21.02.2022 | | |
| 6. | Date | e of Establishme | ent of IQAC | | : | 06/06/2013 | | | | |
| 7. | Inte | ernal Quality Assurance System | | | | IQAC Cell | | | | |
| 7.1 | .1 Quality initiatives by IQAC during the year for promoting quality culture | | | 0 | : | | | | | |
| | Item /Title of the quality initiative by IQAC | | | | | ate & duration | | Number of Participants / beneficiaries | | |
| | | 12 th IQAC | Meeting | | 1 | 5.07.2017 | | 24 | | |
| | | 13 th IQAC | Meeting | | 20.01.2018 | | | 25 | | |
| | Ace | ademic Administr | ative Audit (AA | A) 07. | 06.2 | 2017-16.06.2017 | | 207 | | |
| | | | | 03. | 03.03.2018-13.03.2018 17.01.2018 - | | | 207 | | |
| | | Participation in | NIRF | | | | | | | |
| | | ISO Certification | n | | | | | | | |
| | | NBA Audit | | | | 8.12.2017 | ECE | | | |
| | | Academic Quali | ty Audit | | | 5.03.2017 9.08.2017 | CSE & EEE Mechanical, ECE, EEE, EIE, CSE, IT & Civil | | | |
| | | | | | 26.08.2017 | | | S&H | | |
| | <u>No</u> • • | Assurance Repo for improvement | g of Internal Q rt (AQAR) to 1 ts vistrative Audit NIRF | uality A NAAC; 1 | ssur Feed | ance Cell (IQAC |); timel <u></u> keholde | y submission of Annual Quality ors collected, analyzed and used ction | | |
| 8. | by UGO | vide the list of Sp Central/ S C/CSIR/DST/DB d Bank / CPE of | State Gove Γ / ICMR / T | ernment | | | | | | |

| | | Institution / | | | Funding | Year of award with | Amount |
|-----|---|---|--|--------------------------|--------------------------------------|---|---|
| | | Department / Faculty | Scheme | | agency | duration | |
| | | | DST – FIST (Le | evel 0) | DST | 2017 | Rs. 90 Lakhs |
| | | National Engineering College | New generation innovation and Entrepreneurship development (NewGen IEDC) | centre | NSTEDB & DST, New Delhi | 2017 | Rs.60 Lakhs |
| | | | | | MSME, New Delhi | 2016-17 | Rs.29.39 Lakhs |
| 9. | late *up | ether composition of I st NAAC guidelines load latest notification QAC | QAC as per | | /es Veb link - <u>http://nec</u> | c.edu.in/aboutiqac.p | <u>hp</u> |
| 10. | No. year | of IQAC meetings he | ld during the | : 2 | | | |
| | con | e minutes of IQAC ppliance to the decision paded on the institution | ons have been | | /es. Veb link - <u>http://nec</u> | .edu.in/iqac%20mii | nutes.php |
| 11. | | | | | | | |
| 12. | Sig | nificant contributions i | made by IQAC | during | g the current year (n | naximum five bulle | ts) |
| | | scheme in rural siMotivational activFaculty members | de development vities have been have been mo | ts. initia otivate | ted for students' sta | art-ups. o attend faculty de | nder Swachh Bharat evelopment training |
| 13. | Pla | n of action chalked out | t by the IQAC in | n the l | beginning of the Ac | ademic year toward | ls Quality |
| | Enh | ancement and the out | come achieved b | by the | end of the Academ | ic year | |
| | | 1 | | | | | |
| | | | N OF ACTION | | | HIEVEMENTS / OU | |
| | | i. More than 75 % placed with med annum | | | | students have been p 3 lakhs per annum | laced with average |
| | ii.More than 20 % of the students should get eligible scores in competitive examinations like GATE, Tofel, CAT, MAT, etc.,2.3 % of students have got eligible s CAT and MAT exams. | | | | | | |
| | ii | | | | | ents have been mot | ivated and became |
| | i | w. The average CGF students should be | PA scored by the | • | * | e CGPA of the 20 | 017-18 passed out |
| | | v. Each department projects worth > 1 | should have ong | oing l | | lepartments have ong | oing R&D projects |

| | · · · · | | | | | | | | | | |
|-----|-----------|---|-------|------------|---|--|--|--|--|--|--|
| | vi. | Each department should have | | 0 0 | Mechanical, EEE and CSE departments have | | | | | | |
| | | industrial consultancy work worth | KS. | 5 lakii. | ongoing industrial consultancy work of worth more than Rs.2 lakh. | | | | | | |
| | vii. | Faculties should be motivated to | pub | lish the | Totally 58 papers have been published in | | | | | | |
| | | research articles in high imp | - | | International journals with the impact factor ranging | | | | | | |
| | | journals. | | | from 0.2 to 5.5 in the academic year 2017-18. | | | | | | |
| | viii. | All the faculty members s | shou | uld be | Totally 153 Conferences and workshops in | | | | | | |
| | | encouraged to participate / presen | | | International and national level have been attende | | | | | | |
| | | international conferences / worksh | - | | by the faculty members in the academic year 2017- | | | | | | |
| | | organized by other leading institut | | | 18. | | | | | | |
| | ix. | Each department should organize / workshops / FDP in every acader | | | EEE, EIE, CSE and IT departments have organized Faculty Development Training programs. | | | | | | |
| | х. | Every department should sign | | ÷ | All the departments have signed MoU with | | | | | | |
| | л. | minimum 2 companies per year. | IVIO | 0 with | minimum 2 companies in the academic year 2017- | | | | | | |
| | | initiatin 2 companies per year. | | | 18. | | | | | | |
| | xi. | More number of students | shou | uld be | In 2015 curriculum, it is made compulsory to | | | | | | |
| | | encouraged to undergo in-plant | tra | aining / | undergo In-plant training and internship training | | | | | | |
| | | internship program / industrial pro | ject | s. | program. So, all the students will be undergoing | | | | | | |
| | | | | | industrial training in leading industries during the | | | | | | |
| | | | | | semester vacation period. | | | | | | |
| | xii. | Every department has to develop | at le | east one | 10 products have been developed totally in the | | | | | | |
| | | product every year. | | | academic year 2017-18 with the fund sanctioned from NewGen IEDC. | | | | | | |
| | xiii. | Every year, it is proposed to initiat | tan | start up | Two start ups have been initiated in the academic | | | | | | |
| | АШ. | through our alumni and faculty. | ic a | start up | year 2017-18. | | | | | | |
| 14. | XX /1 /1 | | | Yes | | | | | | | |
| | | r the AQAR ced before | | | | | | | | | |
| | - | y body? | | | | | | | | | |
| | | the Statutory | | Manag | ement | | | | | | |
| | body : | the Statutory | | | | | | | | | |
| | - | meeting(s) | | 08.06.2 | 2018 | | | | | | |
| 15 | | r NAAC/or any other accredited | - | N7 | | | | | | | |
| 15. | | visited IQAC or interacted with | : | Yes. | tion with NAAC committee on 19.01.2017 | | | | | | |
| | • • • | ess the functioning? | | Interac | tion with NAAC commutee on 19.01.2017 | | | | | | |
| 16 | | r institutional data submitted to | | No | | | | | | | |
| 16. | AISHE | i institutional data submitted to | : | INO | | | | | | | |
| 17. | | e Institution have Management | | Yes | | | | | | | |
| 17. | | tion System? | • | 105 | | | | | | | |
| | If yes, g | ive a brief description and a list of | | | | | | | | | |
| | modules | currently operational. (Maximum | | | | | | | | | |
| | 500 wor | ds) | | | | | | | | | |
| | To imp | rove the productivity of our insti | tuti | on towa | rds paperless administration, InsProPlus (Institution | | | | | | |
| | Product | ivity Plus) software serves as a | ne | erfect sol | lution. At present, the modules in practice are as | | | | | | |
| | | • | · P | | interior in present, the modules in practice are as | | | | | | |
| | follows | , | | | | | | | | | |
| 1 | | | | | | | | | | | |

• Student Management

- Academic Management
- HR Management
- Hostel Management
- Central Library Management
- Finance Management
- COE Administration
- Certificate Issue
- Automatic SMS for absentee, e-circular notifications
- Performance reports, Access reports, online Entries and Enquiries
- Online web portal for staff and students
- Online leave apply and approval
- Online faculty recruitment process

The system helps the management, Director, Principal, HODs and faculty to view the academic details of the student. Also, parent/guardian can get assistance about their ward through mobile via SMS or web portal. InsproPlus for MIS has been installed and available at our college premises since august 2011.

PART – B

| CRII | ERION I - | -CURRICUL | AR ASPE | CTS | | | | | | | | |
|-------|---|--|-----------------|------------|---|---|--------------------|-------------------|--|--|--|--|
| 1.1 | Curriculu | m Design and | Developm | ent | | | | | | | | |
| 1.1.1 | Programm | es for which sy | llabus revi | sion was | carried out during the | e Academic y | ear | | | | | |
| | | Name of | f programn | ne | Programme Code | Dates of | of revision | | | | | |
| | | | | | | | | | | | | |
| 1.1.2 | Programmes / courses focused on employability/ entrepreneurship / skill development during the Academic year | | | | | | | | | | | |
| | Prog | ramme with Code | Date Introdu | | Course with | Code | - | ate of duction | | | | |
| | | or all UG ogrammes | | | NCG28 – Critical ar Thinking | nd Creative | 02 nd E | Dec 2017 | | | | |
| | | 3 days epreneurship wareness Camp | | | Training programme | 12 -14 th July 2017 08 -10 th August 2017 | | | | | | |
| | | weeks FDP on epreneurship | | | | | | | | | | |
| 1.2 | Academic | Flexibility | | | | | | | | | | |
| 1.2.1 | New programmes/courses introduced during the Academic year | | | | | | | | | | | |
| | | Progra | umme / Cou | irse | | Date of Intr | oduction | | | | | |
| | | | | | | | | | | | | |
| 1.2.2 | Programmes in which Choice Based Credit System (CBCS) / Elective Course System implemented at the College level during the Academic year. | | | | | | | | | | | |
| | | ne of Programm | es UG | PG | Date of implementa CBCS / Elective C System | | UG | PG | | | | |
| | Alrea | ady adopted (20 | 015-16) | | | | June 2015 | June 2015 | | | | |
| 1.3 | Curriculu | m Enrichmen | t | | | | | | | | | |
| 1.3.1 | Value-add | ed courses imp | arting trans | sferable a | and life skills offered o | luring the yea | ar | | | | | |
| | | | | _ | | umber of students enrolled | | | | | | |
| | | Value added of a for youth emp | | | Date of introduction June 2015 | INU | | | | | | |

| 1.3.2 | Field Projects / Internships undertaken during the year | | | | | |
|-------|---|--|--|--|--|--|
| | Project / Programme Title | No. of students enrolled for Field Projects / Internships | | | | |
| | NSS Special Camp was conducted at Villiseri Village, Kovilpatti Taluk by NSS volunteers from 26.02.2018 to 04.03.2018 | 100 | | | | |
| | Free Eye Medical Camp was conducted by NSS units of our college in association with Dr.R.Ramakrishnan of Aravind Eye Hospital, Tirunelveli on 03.03.2018 | 64 students 208 patients were screened and 30 patients were admitted for cataract surgery | | | | |
| | Internship Training program – Mechanical Engineering Department | • 17 students | | | | |
| | Internship Training program – Civil Engineering Department | • 93 students | | | | |
| | Internship Training program – Electrical and Communication Engineering Department | • 4 students | | | | |
| | Internship Training program – Electrical and Electronics Engineering Department | • 3 students | | | | |
| | Internship Training program – Electrical and Instrumentation Engineering Department | • 3 students | | | | |
| | Internship Training program – Computer Science and Engineering Department | • 8 students | | | | |
| | Internship Training program – Information Technology Department | • 14 students | | | | |
| 1.4 | Feedback System | | | | | |
| 1.4.1 | Whether structured feedback received from all the sta | keholders | | | | |
| | 1) Students2) Teachers3) Employed | rs 4) Alumni 5) Parents | | | | |
| | Yes Yes Yes | Yes Yes | | | | |
| 1.4.2 | How the feedback obtained is being analyzed and util Institution? (maximum 500 words) | ized for overall development of the | | | | |
| | Students' feedback about each course in a semester | is obtained through online system using InsProPlus | | | | |
| | | feedback on teaching & learning is obtained through | | | | |
| | | t students. Both Course outcome evaluations and Staff | | | | |
| | | edback. Staff Evaluation Reports, Students Feedback | | | | |
| | Report and Staff Self Appraisal are discussed and meetings. | corrective measures are planned during the IQAC | | | | |
| | | | | | | |

| CRITERI | ION II -TEA | CHING-LEAR | NING AND EVA | LUATION | | | |
|--|--|---|--|---|---|---|--|
| 2.1 Stu | ıdent Enrolm | ent and Profile | e | | | | |
| 2.1.1 Der | mand Ratio d | uring the year | | | | | |
| | | me of the ogramme | Number of seats available | Number of app receive | | Students Enrolle | d |
| | | Programmes | 660 | Filled through Ann | | 649 | |
| | PG Degree | Programme | 115 | Chennai single wi | ndow system | 17 | |
| 2.2 Ca | tering to Stu | dent Diversity | | | | | |
| 2.2.1 Stu | ıdent - Full t | ime teacher ra | tio (current year | data) | | | |
| | Year students enrolled in the | | Number of students enrolled in the institution (PG) | Number of full time teachers available in the institution teaching only UG courses | Number of fu time teacher available in t institution teac only PG cour | rs teachers he teaching bo hing UG and PC | th |
| | 2017-18 | 2781 | 37 | 198 | 19 | 60 | |
| 2.3 Te | aching - Lear | rning Process | | | | i | |
| | - | - | Γ for effective teac . (current year data | • | g Management | Systems | |
| | Number of teachers on roll | Number of teachers usin ICT (<i>LMS</i> , e <i>Resources</i>) | lg resources | l Number of ICT enabled classrooms | Number of smart classrooms | E-resources and techniques used | |
| | 217 | 217 | Smart classroo with tools, Smart TV, Projectors | m 37 | 8 | NPTEL, SWAYAM | |
| Yes me gua hel per stud of obt ext | Every s Every s entor/tutor. At ardian and ass p the student riodically. If r dents through his/her ward. tained in the u tra-curricular a Student r | student will be bout 20 student sist them in all ts in registering necessary, the tu the concerned The record sh university exami- activities and dis- mentoring plays by and discuss t | lable in the institut under the care a s will be assigned matters of academ g the courses, mo tor may also discu- ter contains all in nations, monthly t sciplinary proceeding a vital role in a stu- heir problems free | nd guidance of a l to each mentor/t ic as well as other onitor their attenda uss with or inform tment. The mentor nformation concer ests, achievements ngs if any taken ag ident's life. Hence | faculty who utor who will activities. Fur ance and prog the parents al will maintain ning the stude if any in curri gainst the stude , the students a y should also | is appointed as also act as the rther, the tutor v gress and counce bout the progress a record sheet f ents 'attendance icular, co-curricu- ent. are advised to me take care to see | ir local vill also il them s of the for each , marks alar and eet their that all |

| | | of students the institution | Number of | fulltime tead | chers | Mentor | : Mentee Ratio | | | | |
|-------|--|---|-----------------------------|--|---------------------------------------|---|---|---|--|--|--|
| | 20 | 10 | | 217 | | | 1.13 | | | | |
| 2.4 | Teacher Profil | e and Quality | | | | | | | | | |
| 2.4.1 | Number of full t | ime teachers app | ointed during | the year | | | | | | | |
| | No. of sanctioned positions | No. of fill position | | t positions | Position durin curr ye | g the ent | No. of faculty with Ph.D | | | | |
| | 34 | 34 | | | 34 | | 3 | | | | |
| 2.4.2 | Honors and rec | ognitions receiv | ed by teacher | S | 1 | | | | | | |
| | Honors and recognitions received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year) | | | | | | | | | | |
| | Year of award | Name of full ti receiving awar level, nation internation | ds from state nal level, | Desig | nation | Name of the award, fellowship, received from Government or recognized bodies | | | | | |
| | | Dr.T.Vigraman | | | Asso. Prof. (SG) / Mechanical Engg | | Teaching Excellence at Indo Global Education Summit & Expo 2017, Chennai. | | | | |
| | 2017 – 18 | Dr.B.Sankarago | amthi | Prof. / EIE | | "Life Time Achievement Award" through DK International Research Foundation Faculty Awards 2018. | | | | | |
| 2.5 | Evaluation Pro | ocess and Refor | ms | | | | | | | | |
| 2.5.1 | Number of days | from the date of | semester-end/ | year- end e | xaminatio | n till the c | leclaration of results | 5 | | | |
| | Number of days from the date of semester-end/ year- end examination till the declaration of results during the year | | | | | | | | | | |
| | Programme Name | Programme Code | Semester / year | Last date of the last semester- end / year- end examination | | resul en | of declaration of ts of semester - d / year- end examination | | | | |
| | UG / PG degree programme | Odd semester | II, III & IV year | | 2017 / .2017 | | 08.01.2018 | | | | |
| | UG / PG degree programme | Odd semester | I year | 08.1 | 2.17 | | 27.01.2018 | | | | |
| | UG / PG degree programme | Even semester | IV year | 02.04 | 2018 / .2018 | | 14.05.2018 | | | | |
| | UG / PG degree programme | Even semester | II & III year | | 2018 / .2018 | N | Not yet declared | | | | |
| | UG / PG degree programme | Even semester | I year | 11.0 | 5.18 | Ν | Not yet declared | | | | |

| 2.5.2 | Ave | rage percent | age of Student complaint | ts/grievances about evalu | ation aga | ainst total nu | umber appea | red in | |
|-------|---------------|-------------------|---|---|-----------------------|---|--------------------|-----------|--|
| | the e | examinations | during the year | | | | | | |
| | * D 0 | not include | re-evaluation/ re-totallin | g | | | | | |
| | | | | | | | | | |
| | N | | omplaints or grievances | Total number of stud | | Percent | tage | | |
| | | | ut evaluation | appeared in the examin | nation | | uge | | |
| | | | per'2017 - 102 | 2060 | | 4% | | | |
| | | April'20 | 018 - 62 | 2060 | | 4% | | | |
| 2.6 | Stud | lent Perforn | nance and Learning Out | tcomes | | | | | |
| 2.6.1 | | | nes, program specific ou | | | | ns offered l | by the | |
| | ınstı | tution are sta | ted and displayed in webs | site of the institution (to p | rovide th | e weblink) | | | |
| | 1. | B.E. Mech | http://nec.edu.in/academic/ | /R-2015%20Mechanical%20 | 0Syllabus | .pdf | | | |
| | 2. | B.E. ECE | http://nec.edu.in/academi | | • | | | | |
| | | | | urriculum%20&%20Sylla | | | | | |
| | 3. | B.E. CSE | | ic/R-2015%20%20CSE%2 | | | | <u>df</u> | |
| | 4. | B.E. EEE | http://nec.edu.in/academi | ic/R-2015%20EEE%20cu | rriculum ⁹ | <u>%20&%20sy</u> | <u>llabus.pdf</u> | | |
| | 5. | B.E. EIE | http://nec.edu.in/academi | ic/R-2015%20EIE%20Cu | rriculum ^o | <mark>%20&%20Sy</mark> | <u>llabus.pdf</u> | | |
| | 6. | B.E Civil | http://nec.edu.in/academi | ic/R-2015%20CIVIL%20c | urricului | <u>m%20&%20</u> | syllabus.pdf | | |
| | 7. | B.Tech. IT | http://nec.edu.in/academi | ic/R-2015%20IT%20Curr | iculum% | 20&%20Syll | abus.pdf | | |
| 2.6.2 | Dace | percentage (| of students | | | | | | |
| 2.0.2 | 1 a 55 | percentage | or students | | | | | | |
| | | Programme Code | Programme name | Number of students appeared in the final year examination | passe Seme | of students d in final ster /year nination | Pass Percentage | | |
| | - | B.E. | Mechanical Engineering | 145 | | 93 | 64.14 | | |
| | | B.E. | Electronics and Communication Engg | 133 | | 98 | 73.68 | | |
| | | B.E. | Computer Science and Engineering | 121 | | 80 | 66.12 | | |
| | | B.E. | Electrical and Electronics Engineering | 139 | | 93 | 66.91 | | |
| | | B.E. | Electronics and Instrumentation Engg | 54 | | 44 | 81.48 | | |
| | | B.E. | Civil Engineering | 68 | | 60 | 88.24 | | |
| | | B.Tech. | Information Technology | 56 | | 47 | 83.93 | | |
| | | M.E. | Energy Engineering | 2 | | 2 | 100 | | |
| | | M.E. | Communication Systems | 2 | | 2 | 100 | _ | |
| | | M.E. | Computer Science and Engineering | 8 | | 6 | 75 | | |
| | | M.E. | High Voltage Engineering221 | | | | | | |
| | | M.E. | Embedded system Technologies | 8 | | 8 | 100 | | |
| | | M.E. | Control & Instrumentation | _ | | _ | _ | | |
| | | M.Tech. | Information and Cyber warfare | - | | _ | _ | | |

| | Student Satisfactio | n Surve | ev | | | | | | | | | | |
|-----------------|--|------------------|----------------------------|---------------|-------------------|----------------------|----------------------|--------------------|--|--|--|--|--|
| 2.7.1 | Student Satisfaction | | • | overall ins | titutional p | erformance | (Institutio | n may design | | | | | |
| | questionnaire) (resu | lts and d | letails be prov | vided as web | link) | | | | | | | | |
| | | · 1 | | la ~~~~ | 1 | | | | | | | | |
| | wednink | : <u>nup://n</u> | nec.edu.in/coll | legeproject.p | <u>onp</u> | | | | | | | | |
| CRIT | TERION III – RES | EARC | H, INNOVA | ATIONS A | ND EXTE | INSION | | | | | | | |
| 3.1 | Promotion of Res | search a | and Facilitie | es | | | | | | | | | |
| 3.1.1 | The institution provides seed money to its teachers for research, if, yes give details | | | | | | | | | | | | |
| | NO | | | | | | | | | | | | |
| | NO | | | | | | | | | | | | |
| | Name o | of the | m | 1 | V f | • • • | Durat | | | | | | |
| | teach | m | unt of seed oney | | receiving rant | | ion of the rant | | | | | | |
| getting seed me | | d money | | oney | 5 | | 8 | iant | | | | | |
| | - | | | - | | - | | - | | | | | |
| 3.1.2 | Teachers awarded N | lational/ | International | fellowship fo | or advanced | l studies/ res | earch durin | ng the year | | | | | |
| | [] | Nome | of the teache | rowordad | Nome | of the | Date of | Awardina | | | | | |
| | | Iname | the fellowsh | | | Name of the Award | | Awarding Agency | | | | | |
| | National | | - | mp | - | | Award - | - | | | | | |
| | International | | - | | _ | | _ | _ | | | | | |
| | | | | | | | | | | | | | |
| 3.2 | Resource Mobiliza | tion for | Research | | | | | | | | | | |
| 3.2.1 | Descent funds sons | tionado | and received f | | acanaiaa i | a ductory and | other orcor | izationa | | | | | |
| 5.2.1 | Research funds sanctioned and received from various agencies, industry and other organizations | | | | | | | | | | | | |
| | | | | | | Total gran | nt . |] | | | | | |
| | Nature o Proje | | Duration Name of funding 4 | | Sanction Sanction | | oned Amount received | | | | | | |
| | | | | e | e ; | in lakh | | | | | | | |
| | Major Project | | 2015-2018 | DST (TDT) | | 24.413 | | 15.813 | | | | | |
| | Major Project | | 2.5 years | DRDO | | 9.8 | | 6.4 | | | | | |
| | Major Project Major Project | . , | 2016-2018 2014-2017 | DRDO | E) | 12.19 25.713 | | 12.195 24.97039 | | | | | |
| | Major Project Major Project | | 2014-2017 | BRNS (DA | с <i>)</i> | 44.2 | | 41.07 | | | | | |
| | Major Project | | 2015-2018 | BRNS (DA | E) | 25.246 | | 23.7894 | | | | | |
| | Major Project | | 3 years | DST (SERE | - | 26.193 | | 9.452 | | | | | |
| | Minor Project | | 2017-2018 | UGC | , | 4.4 | | 4.10 | | | | | |
| | Minor Project | | - | | | | | | | | | | |
| | Interdisciplina | | | 1 | | | | | | | | | |
| | Projects | | | | | | | | | | | | |
| | Industry spons | sored | 1 year | TATA Po | wer SFD | 3.6 | 50 | | | | | | |
| | Projects | | i yeai | | | 5.0 | | | | | | | |
| | Projects spons | | | | | | | | | | | | |
| | by the Univers | sity / | | | | | | | | | | | |
| | College | 1 | | | | | | | | | | | |
| | Students Resea | arch | | | | | | | | | | | |
| | Projects (other th | , | 2017 - 18 | NewGer | | 25.0 | 0 | 25.00 | | | | | |

| Students Re | search | | | IE (I) | | 0.60 | | 0.60 |
|---|---------------|-------|--|---|--|--|-----------|-----------------|
| Projects (oth compulsory College) | | 201 | 7-18 | TNSCST | | 0.10 | | 0.10 |
| Internationa | l Projects | | | | | | | |
| Any other (S | Specify) | 2017 | 7 – 18 | MSME, New Del | hi | 29.39 | 8 | |
| | | 2017 | 7 – 18 | Alumni Fund | | | | 0.5 |
| Total | | | | | 230.9518 | | 172.799 | |
| Number of ongoing research pro agencies during the years | | | | acher funded by go | | | overnment | |
| Dept. | Funding a | gency | Ongoir | ng research project | | Principal nvestigator | Amount | Period |
| MECH | BRN | | for imp strengtl | zation of grain size roving fatigue 1 of 304 Hcu | Dr.D.I | Ravindran 2.Mannan | 33,52,500 | 2014-17 |
| ECE | DST (T | , | harvest | Fully Automated Coconut harvesting Machine | | Familselvi .Arumugam '.Devakumar | 24,41,360 | 2 015-18 |
| Chemistry (S&H) | BRN (DAE | | 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 radio pharmaceutical applications Synthesis, Structural Characterization, Stability and Chemical nuclease activity of some Cu(II) and Zn(II) complexes containing imidazole and pyridine | | Dr.M.A.Neelakantan Prof. & Head / S&H | | 24,24,500 | 2014-17 |
| Chemistry (S&H) | DST | Y | | | | A.Neelakantan & Head / S&H | 44,25,000 | 2015-18 |
| Chemistry (S&H) | BRNS (DAE) | | Spatial Uranina water q | Distribution of an and associated uality parameters in cts of Tamil Ndau | Prof. 8 Dr.S.S | A.Neelakantan & Head / S&H S.Mariappan Prof.(SG) | 25,24,650 | 2015-17 |
| CSE | DRDO | | Automa | in Cellular tta with its ttions on graphy | Prof & Dr.K.I Pitcha | Paramasivan 2 Head / CSE Mohaideen i, Asso. Prof .Bhuvaneswari | 12,19,500 | 2016 -18 |
| CSE | EPICS in I | EEE | platforr and dea | : A smart cloud n between normal f people. | Prof./0 | | 5,24,402 | 2016 - 17 |
| CSE IE(I) | | | eradica embedo | ted Robotic weed tion system using led techniques | Prof./0 | | 60,000 | 2017 - 18 |
| ECE | DRDO | | target C | n Non Cooperative Classification m using Statistical ues | Prof. & Mr.V. | Shenbagavalli, & Head/ECE R.S.Mani, Prof/ECE | 9,85,000 | 2017 - 18 |

| | | EEE | UGC | Real Time Implementation of PID Controller for Single Phase Buck-Boost Power Factor Correction Converter using Evolutionary Computation | Mr.M.P.E.Rajamani, Asst.Prof (SG)/EEE | 4,10,000 | 2016 - 18 |
|-------|-------|-------------------------|----------------------------|--|---|-------------------|-------------------|
| | | S&H | DST (SERB) | Designing of novel benzothiazole derivatives and their Cu(II), Fe(II/III) and Al(III) Complexes in Alzheimer's disease | Dr.S.Thalamuthu, AP(SG) / S&H Dr.M.A.Neelakantan, Prof. & Head / S&H | 27,66,948 | 2017 - 20 |
| 3.3 | Innov | ation Ecos | vstem | | | | |
| 3.3.1 | | | | on Intellectual Property R | ights (IPR) and Indu | stry-Acade | mia |
| 0.011 | | ative practic | ces during the ye | 1. | | - | 1 |
| | | Title of kshop/Semin | | Resource person | | Name of the Dept. | Date(s) |
| | | nt Leadershi | • | | 0'1 D 1 | All I year | Throughout |
| | | opment amme | Dr.P.Esakki | Muthu, Chief Scientist, Riv | er Silca, Bengaluru | UG students | the academic year |
| | | | Silca, Beng | Mr. L.Gnana Michael Prakasam, Chief Scientist, River Silca, Bengaluru | | | 16-02-2018 |
| | | | | | | | 14-07-2017 |
| | | | Meteorolog | Mr.P.Murugavel, Scientist-E, Indian Institute of Trophic Meteorology, Pune | | | 14-07-2017 |
| | | | Chennai | | | | 8-12-2017 |
| | | | | an, TCS Software Engineer, | | ECE | 8-12-2017 |
| | | | | nan, TCS Software Enginee | | | 8-12-2017 |
| | | | - | Mr.K.JeyaGanesh, Infosys Software Engineer, Bangaluru | | | 8-12-2017 |
| | | | | aran, TCS Software Engine | | | 8-12-2017 |
| | Guest | Lecture | of Engineer | Mr.Andrew Roobert, Research Scholar Thiagarajar College of Engineering, Madurai. | | | 8-12-2017 |
| | | | Mr.Muthuk | umar, Maffire, Software En | gineer, Nagarkovil | | 8-12-2017 |
| | | | | ga, TCS Assistant System E | • | | 2-02-2018 |
| | | | | gabhushana, IISc, Bangalor | | | 06.11.2017 |
| | | | Chennai | h Kumar Annadurai, GE | | EEE | 17.11.2017 |
| | | | | n Kavi, NLC India Ltd, Ney | | | 27.12.2017 |
| | | | - | yappan, Scientist/CSIO, Ch | | | 25.10.2017 |
| | | | | r, CEO, Mathimigal Tech. Pv | | | 26.10.2017 |
| | | | Dr.S.Arumu Section | igaperumal, IETE Cha | irman, Trivandrum | EIE | 26.10.2017 |
| | | | | eyen, MD, Control soft PVT | | | 27.10.2017 |
| | | | Mr.Sathiyar Ltd., Chenn | aj, TeamLeader-R&D, Vi ai | Microsystems Pvt. | | 27.10.2017 |

| | | Mr.D.Mah | esh, Fo | rishnan, MIT Campus, A under and First Offic | | • | | 27.10.20 | | |
|-------|-------------------------------|-------------------------|---|--|-----------------|-------------------------------|-------------|------------------------------------|--|--|
| | | | | | | | 01.09 | | | |
| | | Spinning r | Mill, Vell | akoil | | | | 01.09.20 | | |
| | | · · | okan, Ma | anager(T&CC),National | Therma | l Power | | 23.02.20 | | |
| | | Mr.C.Beb | in Suresh | n, Director-DevOps, Un India, Bangalore | ified Tec | chnology | | 21.04.20 | | |
| | | - | . . | Arravindh, HCL Technol | logies I i | mited | | 18.11.201 | | |
| | | Chennai | y Dasali I | Anavindii, mel reeniio | logics Li | micu, | | 21.04.20 | | |
| | | | hmesh, I | HCL Technologies Limit | ed, Cher | nnai | | 18.11.201 [°] 21.04.20 | | |
| | | Mr.K.N.V Chennai | isveswar | an, Hexaware Technolog | gies Limi | ited | | 21.04.20 | | |
| | | | Mr.D. Rajesh Kannan, Tata Consultancy Services, Chennai | | | | CSE | 21.04.20 | | |
| | | e | Ms.G.Maria Justin Mary, Honeywell Technology Solutions, | | | | | | | |
| | | Madurai | | | | | | 18.11.20 | | |
| | | Mr.S.Vigr Solutions, | | lasamy, Cognizant Tech ore | nology | | | 04.07.20 | | |
| | | | | Technologies, Coimbato | re | | | 13.07.20 | | |
| | | Mr.Ganes | h Murthy | , HP, Bangalore | | | | 19.08.20 | | |
| | | | | gnizant Technology Solu | | | | 13.07.20 | | |
| | | Mr.T.Kana Pvt. Ltd., | | eputy General Manager, | Ozone P | Project | | 30.06.20 | | |
| | | | 0 | Manager, PPC Material N ia Ltd., Chennai | Managen | nent, | | 19.07.20 | | |
| | | Mr.Christo | opher Gn | anaraj, Head of section, motor India limited, Che | | ent | MECH | 08.03.20 | | |
| | | × | - | e President (Operations a | | | | | | |
| | | Manufactu | iring Eng | (ineering) Daimler India Chennai) | | cial | | 17.03.20 | | |
| 3.3.2 | Awards for Innovation | | | n/Teachers/Research s | cholars/ | Students d | uring the y | ear | | |
| | Title of the innovation | Name o Awar | | Awarding Agenc | у | Date of Award | Cat | tegory | | |
| | Coconut Grading Machine | Mr. M.V Shanthi | Veera | DAAD - German Aca Exchange Service and - German House for Re and Innovation New | DWIH esearch | 7 th April 2018 | | ng Walls ndia 2018 | | |
| 3.3.3 | No. of Incubation cer | ntre created | , start-up | os incubated on campu | s during | the year | | | | |
| | Incubation (| Centre | | Name | | Snone | sored by | | | |
| | MSME recogniz | | NEC – | Business Incubation | | ^ | • | | | |
| | Business Incubat | | Centre | | | MSME, N | IEWDELH | l | | |

| | | Name of the Start | -up | Nature of Start-up | | Date of commencemen | | | | |
|-------|---|---|--|--|------------------|---|--|--|--|--|
| | AU | TOWELKIN | To Connec | ct Junkyards of AUTO s | pares | Company Registered (14 th May 2018) | | | | |
| | SU | VADI | For the | e Collection of old Book | .s | Yet to register | | | | |
| | | | | | | | | | | |
| 3.4 | RESEA | RCH PUBLICA | TIONS AND AWA | ARDS | | | | | | |
| 3.4.1 | Ph. Ds av | warded during th | ne year | | | | | | | |
| | | | | | | | | | | |
| | | | Name of the | No. of | f Ph. Ds Awarded | | | | | |
| | | | hanical Engineering | | | 2 | | | | |
| | | | trical and Communi | | | 1 | | | | |
| | | | trical and Electronic | | | 1 | | | | |
| | | | | entation Engineering | | 1 | | | | |
| | | Science and | l Humanities | | | 2 | | | | |
| 3.4.2 | Research | Publications in | the Journals notified | d on UGC website dur | ing the y | <i>r</i> ea r | | | | |
| | 4.2 Research Publications in the Journals notified on UGC website during the year | | | | | | | | | |
| | | | | | | | | | | |
| | | | Department | No. of Publication | Averag | e Impact Factor, if any | | | | |
| | | | Department Mechanical Engg., | No. of Publication 10 | Averag | e Impact Factor, if any | | | | |
| | | | Mechanical Engg., ECE | 10 09 | Averag | | | | | |
| | | National & | Mechanical Engg., ECE S&H | 10 09 11 | Averag | e Impact Factor, if any Average – 1.2 | | | | |
| | | National & International | Mechanical Engg., ECE S&H CSE | 10 09 11 04 | - | Average – 1.2 | | | | |
| | | National & International | Mechanical Engg., ECE S&H CSE IT | 10 09 11 04 07 | - | | | | | |
| | | | Mechanical Engg., ECE S&H CSE IT EIE | 10 09 11 04 07 08 | - | Average – 1.2 | | | | |
| | | | Mechanical Engg., ECE S&H CSE IT | 10 09 11 04 07 | - | Average – 1.2 | | | | |
| 3.4.3 | | International nd Chapters in ec | Mechanical Engg., ECE S&H CSE IT EIE EEE dited Volumes / Boo | 10 09 11 04 07 08 09 ks published, and pap | F | Average – 1.2 Range - 0.2 to 5.5 | | | | |
| 3.4.3 | | International nd Chapters in ec | Mechanical Engg., ECE S&H CSE IT EIE EEE | 10 09 11 04 07 08 09 ks published, and pap | F | Average – 1.2 Range - 0.2 to 5.5 | | | | |
| 3.4.3 | | International nd Chapters in ec | Mechanical Engg., ECE S&H CSE IT EIE EEE dited Volumes / Boo per Teacher during | 10 09 11 04 07 08 09 ks published, and pap | F Ders in Na | Average – 1.2 Range - 0.2 to 5.5 | | | | |
| 3.4.3 | | International nd Chapters in ec | Mechanical Engg., ECE S&H CSE IT EIE EEE dited Volumes / Boo | 10 09 11 04 07 08 09 ks published, and pap | ers in Na | Average – 1.2 Range - 0.2 to 5.5 | | | | |
| 3.4.3 | | International nd Chapters in econce Proceedings | Mechanical Engg., ECE S&H CSE IT EIE EEE dited Volumes / Boo per Teacher during | 10 09 11 04 07 08 09 Oks published, and pap the year | ers in Na | Average – 1.2 Range - 0.2 to 5.5 ational/International | | | | |
| 3.4.3 | | International nd Chapters in econce Proceedings BE. Electrical | Mechanical Engg., ECE S&H CSE IT EIE EEE dited Volumes / Boo per Teacher during Department | 10 09 11 04 07 08 09 Oks published, and pap the year | ers in Na | Average – 1.2 Range - 0.2 to 5.5 ational/International | | | | |
| 3.4.3 | | International nd Chapters in econce Proceedings BE. Electrical B.Tech. Infor | Mechanical Engg., ECE S&H CSE IT EIE EEE dited Volumes / Boo per Teacher during Department and Electronics En | 10 09 11 04 07 08 09 Oks published, and pape the year gineering | ers in Na | Average – 1.2 Range - 0.2 to 5.5 ational/International f Publication in <u>ence proceedings</u> 2 | | | | |
| 3.4.3 | | International ad Chapters in econce Proceedings BE. Electrical B.Tech. Infor BE. Electrical BE. Electrical | Mechanical Engg., ECE S&H CSE IT EIE EEE dited Volumes / Boo per Teacher during Department and Electronics En mation Technology and Communicatio and Instrumentatio | 10 09 11 04 07 08 09 Oks published, and pap the year gineering ons Engineering | ers in Na | Average – 1.2 Range - 0.2 to 5.5 ational/International f Publication in <u>ence proceedings</u> 2 19 | | | | |
| 3.4.3 | | International ad Chapters in econce Proceedings BE. Electrical B.Tech. Infor BE. Electrical BE. Electrical | Mechanical Engg., ECE S&H CSE IT EIE EEE dited Volumes / Boo per Teacher during Department and Electronics En mation Technology and Communicatio | 10 09 11 04 07 08 09 Oks published, and pap the year gineering ons Engineering | ers in Na | Average – 1.2 Range - 0.2 to 5.5 ational/International f Publication in <u>ence proceedings</u> 2 19 13 | | | | |
| 3.4.3 | | International International Ind Chapters in econce Proceedings BE. Electrical B.Tech. Infor BE. Electrical BE. Electrical BE. Electrical BE. Mechanic | Mechanical Engg., ECE S&H CSE IT EIE EEE dited Volumes / Boo per Teacher during Department and Electronics En mation Technology and Communicatio and Instrumentatio cal Engineering r Science and Engin | 10 09 11 04 07 08 09 oks published, and pap the year gineering ons Engineering n Engineering | ers in Na | Average – 1.2 Range - 0.2 to 5.5 ational/International f Publication in <u>ence proceedings</u> 2 19 13 10 | | | | |

| 3.4.4 | Patents published/awar | ded during | the year | | | | | | | |
|-------|--|--|--|-------------------------------------|--|-----------------------|---------------|--|---|-------------|
| | Patent Det | ails | Patent st Published | | Patent N | umber / C.B.R. | No | Date of A | Award | |
| | System and M Instinctive Mon Infants | | Fil | ed | 201741 | 1043400 / 3727 | 0 | - | | |
| | Thermal Imagin Identification of | ng based Alkaloids | Fil | ed | 20174 | 1043401 / 3727 | '0 | - | | |
| | in Vinca Rosea Tree Climber Ap | paratus | Fil | ed | 20174 | 1044490 / 3808 | 37 | | | |
| | Cold Items Product through | Heat Resisting Intermediate Panels for Cold Items Container- Product through Charcoal waste of water treatment | | ls for ntainer- harcoal Filed | | 5533/CHE/2014 / 22337 | | | | |
| | An Improved hy operated sing Coconut Dehuske | le step | Fil | ed | 20164 | 1021350 / 1393 | 31 | | | |
| 3.4.5 | Bibliometrics of the pu Web of Science or Pub | | - | | lemic year | based on ave | erage | citation ind | lex in Sc | opus / |
| | Title of the paper | Name of | the author | | e of the urnal | Year of publication | affi mer | titutional lliation as ntioned in publication | Numbe citatio exclud self cita | ons ling |
| | Model based multivariable control scheme in a reset configuration for stable multivariable systems | | an A.R., eesan P. | Jour Che | nadian rnal of emical neering | 2018 | N Eng C | Vational gineering College, ovilpatti | | |
| | Experimental and theoretical studies on vanadium bromoperoxidase activity of alkyne arm dioxidovanadium(V) complex: Crystal structure, spectral studies, and DFT calculations | Balakris Kows | ntan M.A., shnan C., alya P., rani V. | Poly | hedron | 2018 | Eng C | Vational gineering College, ovilpatti | | |
| | Performance studies on dielectric and physical properties of eco-friendly based natural ester oils using semi- conductive nanocomposites for power transformer application | A.R.P.R. | gnanam , Siluvairaj Karthik R. | Meas | Science, urement chnology | 2018 | Eng C | Vational gineering College, ovilpatti | | |

| Interaction of Amino Acid Schiff Base Metal Complexes with DNA/BSA Protein and Antibacterial Activity: Spectral Studies, DFT Calculations and Molecular Docking Simulations | Neelakantan M.A., Balamurugan K., Balakrishnan C., Subha L. | Applied Organometallic Chemistry | 2018 | National Engineering College, Kovilpatti | |
|---|--|---|------|---|---|
| DNA/BSA binding interactions and VHPO mimicking potential of vanadium (IV) complexes: Synthesis, structural characterization and DFT studies | Neelakantan M.A., Balakrishnan C., Selvarani V., Theetharappan M. | Applied Organometallic Chemistry | 2018 | National Engineering College, Kovilpatti | |
| Framework for Fast and Efficient Cloud Video Transcoding System Using Intelligent Splitter and Hadoop MapReduce | Kesavaraja D., Shenbagavalli A. | Wireless Personal Communications | 2018 | National Engineering College, Kovilpatti | |
| Optimization using Artificial Bee Colony based clustering approach for big data | Ilango S.S., Vimal S., Kaliappan M., Subbulakshmi P. | Cluster Computing | 2018 | National Engineering College, Kovilpatti | 1 |
| Automated recognition of ROIs for breast thermograms of lateral view-a pilot study | Josephine Selle J., Shenbagavalli A., Sriraam N., Venkatraman B., Jayashree M., Menaka M. | Quantitative InfraRed Thermography Journal | 2018 | National Engineering College, Kovilpatti | |
| Mitigation of non linear effects using non linear transform in dispersion managed coherent optical OFDM systems | Rishi P., Tamilselvi S. | Journal of Computational and Theoretical Nanoscience | 2018 | National Engineering College, Kovilpatti | |
| Crystal structure and bio-catalytic potential of oxovanadium (IV) Schiff base complexes derived from 2-hydroxy-4- (prop-2-yn-1-yloxy) benzaldehyde and alicyclic / aromatic diamines | Balakrishnan C., Neelakantan M.A. | Inorganica Chimica Acta | 2018 | National Engineering College, Kovilpatti | 1 |
| Designandimplementationofmodelpredictivecontrollerfor | Leema Rose J., Sankaragomathi B. | Journal of Computational and Theoretical Nanoscience | 2018 | National Engineering College, Kovilpatti | |

| digitally controlled | | | | | |
|---|---|--|------|---|---|
| digitally controlled Ćuk converters | | | | | |
| Investigation on the properties of natural esters blended with mineral oil and pyrolysis oil as liquid insulation for high voltage transformers | Bakrutheen M., Willjuice Iruthayarajan M., Senthil Kumar S. | Lecture Notes in Electrical Engineering | 2018 | National Engineering College, Kovilpatti | |
| Performance enhancement of a building-integrated photovoltaic module using phase change material | Karthick A., Murugavel K.K., Ramanan P. | Energy | 2018 | National Engineering College, Kovilpatti | 2 |
| Microanaurysms identification using computational intelligence approach in two dimensional fundus images for detection of Diabetic Retinopathy | Karkuzhali S., Manimegalai D. | International Journal of Pure and Applied Mathematics | 2018 | National Engineering College, Kovilpatti | |
| Integration of wind power generators for the enhancement of profit by optimal allocation of SVC | Nagalakshmi S., Rohini R.C., Balakiruthiha S. | Lecture Notes in Electrical Engineering | 2018 | National Engineering College, Kovilpatti | |
| Tolerance allocation of complex assembly with nominal dimension selection using Artificial Bee Colony algorithm | Vignesh Kumar D., Ravindran D., Lenin N., Siva Kumar M. | Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science | 2018 | National Engineering College, Kovilpatti | |
| Predicting membrane protein types using various decision tree classifiers based on various modes of general PseAAC for imbalanced datasets | Sankari E.S., Manimegalai D. | Journal of Theoretical Biology | 2017 | National Engineering College, Kovilpatti | |
| HonestAuctionBasedSpectrumAssignmentandExploitingSpectrumSensingDataFalsificationAttackUsingStochasticGameTheoryWirelessCognitiveRadioNetwork | Subbulakshmi P., Prakash M., Ramalakshmi V. | Wireless Personal Communications | 2017 | National Engineering College, Kovilpatti | |
| Crystalstructure,theoreticalandexperimentalexperimentalelectronicstructure | Gandhimathi S., Theetharappan M., Bhuvanesh N.S.P., Neelakantan M.A. | Polyhedron | 2017 | National Engineering College, Kovilpatti | 2 |

| | r | | T | | |
|---|---------------------------------------|-------------------------------|------|-------------------------|---|
| and DNA/BSA protein interactions | | | | | |
| of nickel(II) N2O2 | | | | | |
| tetradentate Schiff | | | | | |
| base complexes | | | | | |
| Assorted carrier- | | | | | |
| variable frequency- random PWM | Paramasivan M., Paulraj M.M., | IET Power | 2017 | National Engineering | 1 |
| scheme for voltage | Balasubramanian S. | Electronics | 2017 | College, Kovilpatti | 1 |
| source inverter | | | | nomputi | |
| Comparative analysis on classical | | | | | |
| | | Journal of | | National | |
| 1 | Ramaswamy S., | | | | |
| theory and higher | Rajadurai J.S., Moshi | Computational and Theoretical | 2017 | Engineering | |
| order lamination | A.A.M. | Nanoscience | | College, | |
| plate theory for cross- | | Nanoscience | | Kovilpatti | |
| ply FRP composite | | | | | |
| structures Influence of dopant | | | | | |
| concentration on the | | Journal of | | National | |
| structural, optical and | Gomathy P., Sundar | Materials | | Engineering | |
| magnetic properties | S.M. | Science: | 2017 | College, | |
| of nickel doped SnO2 | 5.111. | Materials in | | Kovilpatti | |
| | | Electronics | | Kovnpatti | |
| nanoparticlesAclusterbased | | | | | |
| intrusion detection | | Journal of | | National | |
| | Sankar Ganesh S., | Computational | | | |
| | Ramar K. | and Theoretical | 2017 | Engineering | |
| homogeneous and heterogeneous mobile | Kallial K. | Nanoscience | | College, Kovilpotti | |
| ad hoc network | | Ivalioscience | | Kovilpatti | |
| Retreatment of aged | | | | | |
| mineral oil using | Ramaian | International | | National | |
| semiconductive | Thirugnanam A.R.P., | Transactions on | | Engineering | |
| nanocomposites for | Maria Siluvairaj | Electrical | 2017 | College, | |
| power transformer | W.I., Radha K. | Energy Systems | | Kovilpatti | |
| application | w.i., Naulla N. | Energy Systems | | Kovnpatti | |
| Improved dynamic | | | | | |
| response of isolated | | | | | |
| full bridge DC to DC | | International | | National | |
| converter using | Anand R., Arun | Journal of | | Engineering | |
| BATA optimization | Samuel T.S., Melba | Hydrogen | 2017 | College, | |
| tuned fuzzy sliding | Mary P. | Energy | | Kovilpatti | |
| mode controller for | | LIICIEY | | Kovnpatti | |
| solar applications | | | | | |
| Collaborative | | | | | |
| approach on | | | | | |
| mitigating spectrum | | | | | |
| sensing data hijack | | | | National | |
| attack and dynamic | Vimal S., Kalaivani | Cluster | | Engineering | |
| spectrum allocation | L., Kaliappan M. | Computing | 2017 | College, | 1 |
| based on CASG | L., Kanappan wi. | Computing | | • | |
| | | | | Kovilpatti | |
| modeling in wireless cognitive radio | | | | | |
| cognitive radio networks | | | | | |
| An efficient secured | Somprodoones: T | Research | | National | |
| An efficient secured multicast routing | Sampradeepraj T., Anusuya Devi V., | Journal of | 2017 | | |
| i i municast routing | | | 2017 | Engineering | |
| protocol for wireless | Chitra D. | Biotechnology | I | College, | |

| 1 | | | | | |
|-----------------------|--------------------|-----------------|--------------|-------------|---|
| sensor network using | | | | Kovilpatti | |
| identity-based | | | | | |
| cryptography and its | | | | | |
| application in | | | | | |
| biomedical research | | | | | |
| A professional | | | | | |
| estimate on the | | | | | |
| computed | | | | | |
| tomography brain | | Pattern | | National | |
| tumor images using | Ramakrishnan T., | Recognition | 2017 | Engineering | 1 |
| SVM-SMO for | Sankaragomathi B. | Letters | 2017 | College, | 1 |
| classification and | | Letters | | Kovilpatti | |
| MRG-GWO for | | | | | |
| | | | | | |
| segmentation | | | | | |
| A hybrid random | | Journal of | | National | |
| perturbation approach | Chidambaram S., | Computational | 2017 | Engineering | |
| for privacy | Srinivasagan K.G. | and Theoretical | 2017 | College, | |
| preservation in | | Nanoscience | | Kovilpatti | |
| perturbated data | | | | inputti | |
| Structural | | | | | |
| characterization, | | | | | |
| surface | | | | | |
| characteristics and | | | | | |
| non covalent | Chithiraikumar S., | Journal of | | National | |
| interactions of a | Gandhimathi S., | Molecular | 2017 | Engineering | 2 |
| heterocyclic Schiff | Neelakantan M.A. | Structure | 2017 | College, | 2 |
| base: Evaluation of | Neelakaman M.A. | Structure | | Kovilpatti | |
| antioxidant potential | | | | - | |
| by UV "visible | | | | | |
| spectroscopy and | | | | | |
| DFT | | | | | |
| Enhanced | | | | | |
| Cooperative | | | | | |
| Spectrum Sensing in | | Wireless | | National | |
| CRAHNs Using | Muthukkumar R., | Personal | 2017 | Engineering | |
| Distributed Dynamic | Manimegalai D. | Communications | 2017 | College, | |
| Load-Balanced | | Communications | | Kovilpatti | |
| Clustering Scheme | | | | | |
| U U | | | | | |
| Facial expression | | Journal of | | National | |
| recognition using a | Carmel Sobia M., | Computational | 2017 | Engineering | |
| hybrid kernel based | Abudhahir A. | and Theoretical | 2017 | College, | |
| extreme learning | | Nanoscience | | Kovilpatti | |
| machine | | | | | |
| Enhancing | | | | | |
| cooperative spectrum | | | | National | |
| sensing in cognitive | Muthukkumar R., | Wireless | | Engineering | |
| radio ad hoc | Manimegalai D. | Networks | 2017 | College, | |
| networks using | Manniegalal D. | INCLWOIKS | | • | |
| priority-based two- | | | | Kovilpatti | |
| stage detection model | | | | | |
| Node level anomaly | | | | | |
| mitigation through | | • • • • | | National | |
| trustworthy | Gowri M., | Journal of | 2 01- | Engineering | |
| computation based | Paramasivana B. | Ovonic | 2017 | College, | |
| election of | r arannabi (ana Di | Research | | Kovilpatti | |
| forwarding nodes | | | | isoviipatti | |
| ion warding notes | | 1 | | | |

| | | | | 1 | |
|--|--|---|------|---|---|
| Game Theory Based Defense Technique for Jamming Attacks in Mobile Ad Hoc Networks | Vadhana Kumari S., Paramasivan B. | Journal of Computational and Theoretical Nanoscience | 2017 | National Engineering College, Kovilpatti | |
| Defense against Sybil attacks and authentication for anonymous location- based routing in MANET | Vadhana Kumari S., Paramasivan B. | Wireless Networks | 2017 | National Engineering College, Kovilpatti | 1 |
| Noncovalent interactions from electron density topology and solvent effects on spectral properties of Schiff bases | Gandhimathi S., Balakrishnan C., Theetharappan M., Neelakantan M.A., Venkataraman R. | Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy | 2017 | National Engineering College, Kovilpatti | 4 |
| Tuning of robust PID controller with filter for SISO system using evolutionary algorithms | Rathinam M., Maria Siluvairaj W.I., Ramaveerapathiran A. | Studies in Informatics and Control | 2017 | National Engineering College, Kovilpatti | 1 |
| Computational intelligence-based Decision Support System for glaucoma detection | Karkuzhali S., Manimegalai D. | Biomedical Research (India) | 2017 | National Engineering College, Kovilpatti | 1 |
| A zwitterionic pH responsive ESIPT- Based fluorescence "Turn-On― Al3+ ion sensing probe and its bioimaging applications | Balakrishnan C., Neelakantan M.A., Banerjee S. | Sensors and Actuators, B: Chemical | 2017 | National Engineering College, Kovilpatti | 1 |
| MagneticFluxLeakage(MFL)baseddefectcharacterizationofsteam generator tubesusing artificial neuralnetworks | Daniel J., Abudhahir A., Paulin J.J. | Journal of Magnetics | 2017 | National Engineering College, Kovilpatti | 1 |
| Dual-treecomplexwaveletwithmodifiedSPIHTalgorithmforvideocompression | Muthulakshmi K., Seenivasagam V. | International Journal of Biomedical Engineering and Technology | 2017 | National Engineering College, Kovilpatti | |
| Analytical approach and simulation of GaN single gate TFET and gate all around TFET | Arun Samuel T.S., Arumugam N., Chandra S.T. | Transactions on Electrical Engineering, Electronics, and Communications | 2017 | National Engineering College, Kovilpatti | |
| Automatic generation control in deregulated power system using | Priyadarsini S.A., Melba Mary P., Iruthayarajan M.W. | Applied Mathematics and Information | 2017 | National Engineering College, | |

| genetic algorithm optimized fuzzy controller | | Sciences | | Kovilpatti | |
|---|--|--|------|---|--|
| Influence of metal powder premixing on mechanical behavior of dual reinforcement (Al2O3 (Î ¹ /4m)/Si3N4 (nm)) in AA6061 matrix | Hariharasakthisudhan P., Jose S. | Journal of Alloys and Compounds | 2018 | National Engineering College, Kovilpatti | |
| Dry sliding wear behaviour of single and dual ceramic reinforcements premixed with A1 powder in AA6061 matrix | Hariharasakthisudhan P., Jose S., Manisekar K. | Journal of Materials Research and Technology | 2018 | National Engineering College, Kovilpatti | |
| Combined effect of nano clay and fibre surface treatment on mechanical behaviours of Palmyra fruit fibre/MMT clay reinforced polyester hybrid composite | Irullappasamy S., Ravindran D. | International Journal of Computer Aided Engineering and Technology | 2018 | National Engineering College, Kovilpatti | |
| FiniteElementAnalysisofHeatInputEffectOnTemperature,Residual Stresses andDistortionDistortionWelded Plates | Venkatkumar D., Ravindran D., Selvakumar G. | Materials Today: Proceedings | 2018 | National Engineering College, Kovilpatti | |
| Computational fluid dynamics based experimental analysis of solar tunnel dryer for tapioca using aluminium and copper absorber plate | Subbian V., Kalidasa Murugavel K. | Journal of Computational and Theoretical Nanoscience | 2017 | National Engineering College, Kovilpatti | |
| Experimental investigation of thermal performance of a single and double pass solar air heater with arc like structures as the absorber plate | Sam Stanley S.G., Kalidasa Murugavel K. | Journal of Computational and Theoretical Nanoscience | 2017 | National Engineering College, Kovilpatti | |
| Enhancement of integrated solar still using different new absorber configurations: An experimental approach | Samuel Hansen R., Kalidasa Murugavel K. | Desalination | 2017 | National Engineering College, Kovilpatti | |

| Title of the paper | Name of the Author | Title of the Journal | Year of Publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citations |
|--|--|---|------------------------|-------------------|---|---|
| Speed control of switched reluctance motor with torque ripple reduction using non- dominated sorting genetic algorithm (NSGA-II) | Kalaivani L., Subburaj P., Willjuice Iruthayarajan M. | International Journal of Electrical Power and Energy Systems | 2013 | 26 | National Engineering College, Kovilpatti | 26 |
| Investigation of microstructure and mechanical properties of aluminum hybrid nano-composites with the additions of solid lubricant | Ravindran P., Manisekar K., Vinoth Kumar S., Rathika P. | Materials and Design | 2013 | 26 | National Engineering College | 26 |
| Effect of phase transformation and intermetallic compounds on the microstructure and tensile strength properties of diffusion-bonded joints between Ti- 6Al-4V and AISI 304L | Vigraman T., Ravindran D., Narayanasamy R. | Materials and Design | 2012 | 27 | National Engineering College | 27 |
| Effect of axial force on microstructure and tensile properties of friction stir welded AZ61A magnesium alloy | Razal Rose A., Manisekar K., Balasubramanian V. | Transactions of Nonferrous Metals Society of China (English Edition) | 2011 | 30 | National Engineering College | 30 |
| Enhancing the critical characteristics of natural esters with antioxidants for power transformer applications | Raymon A., Pakianathan P., E. Rajamani M.P., Karthik R. | IEEE Transactions on Dielectrics and Electrical Insulation | 2013 | 32 | National Engineering College | 32 |
| Optimum manufacturing tolerance to selective assembly technique for different assembly specifications by using genetic algorithm | Kumar M.S., Kannan S. | International Journal of Advanced Manufacturing Technology | 2007 | 33 | National Engineering College | 33 |
| Thermal creep properties of alloy D9 stainless steel and 316 stainless | Latha S., Mathew M.D., Parameswaran P., Bhanu | International Journal of Pressure Vessels and Piping | 2008 | 34 | National Engineering College | 34 |

| steel fuel clad tubes | Sankara Rao K., Mannan S.L. | | | | | |
|---|---|--|------|----|------------------------------------|----|
| Influence of fibre treatments on mechanical properties of short Sansevieria cylindrica/polyester composites | Sreenivasan V.S., Ravindran D., Manikandan V., Narayanasamy R. | Materials and Design | 2012 | 35 | National Engineering College | 35 |
| Performance evaluation of handoff detection schemes | Marichamy P., Chakrabarti S., Maskara S.L. | IEEE Region 10 Annual International Conference, Proceedings/TENCON | 2003 | 35 | National Engineering College | 35 |
| Multilevel thresholding for segmentation of medical brain images using real coded genetic algorithm | Manikandan S., Ramar K., Willjuice Iruthayarajan M., Srinivasagan K.G. | Measurement: Journal of the International Measurement Confederation | 2014 | 39 | National Engineering College | 39 |
| Application of extreme learning machine for series compensated transmission line protection | Malathi V., Marimuthu N.S., Baskar S., Ramar K. | Engineering Applications of Artificial Intelligence | 2011 | 44 | National Engineering College | 44 |
| Intelligent approaches using support vector machine and extreme learning machine for transmission line protection | Malathi V., Marimuthu N.S., Baskar S. | Neurocomputing | 2010 | 44 | National Engineering College | 44 |
| Mechanical properties of randomly oriented short Sansevieria cylindrica fibre/polyester composites | Sreenivasan V.S., Ravindran D., Manikandan V., Narayanasamy R. | Materials and Design | 2011 | 45 | National Engineering College | 45 |
| Flow shop scheduling with multiple objective of minimizing makespan and total flow time | Ravindran D., Selvakumar S.J., Sivaraman R., Haq A.N. | International Journal of Advanced Manufacturing Technology | 2005 | 46 | National Engineering College | 46 |
| Tribological behaviour of powder metallurgy- processed aluminium hybrid composites with the addition of graphite solid lubricant | Ravindran P., Manisekar K., Narayanasamy R., Narayanasamy P. | Ceramics International | 2013 | 56 | National Engineering College | 56 |
| A review of different methods to enhance the productivity of the multi-effect solar still | Rajaseenivasan T., Murugavel K.K., Elango T., Hansen R.S. | Renewable and Sustainable Energy Reviews | 2013 | 56 | National Engineering College | 56 |

| The first vitamin B6 zinc complex, pyridoxinato-zinc acetate: A 1D coordination polymer with polar packing through strong inter-chain hydrogen bonding | Chamayou A C., Neelakantan M.A., Thalamuthu S., Janiak C. | Inorganica Chimica Acta | 2011 | 56 | National Engineering College | 56 |
|--|---|---|------|----|------------------------------------|----|
| Synthesis, characterization and biocidal activities of some schiff base metal complexes | Neelakantan M.A., Esakkiammal M., Mariappan S.S., Dharmaraja J., Jeyakumar T. | Indian Journal of Pharmaceutical Sciences | 2010 | 57 | National Engineering College | 57 |
| Multi-objective robust PID controller tuning using two lbests multi-objective particle swarm optimization | Zhao SZ., Iruthayarajan M.W., Baskar S., Suganthan P.N. | Information Sciences | 2011 | 58 | National Engineering College | 58 |
| Tribological properties of powder metallurgy - Processed aluminium self lubricating hybrid composites with SiC additions | Ravindran P., Manisekar K., Rathika P., Narayanasamy P. | Materials and Design | 2013 | 59 | National Engineering College | 59 |
| Histogram modified local contrast enhancement for mammogram images | Sundaram M., Ramar K., Arumugam N., Prabin G. | Applied Soft Computing Journal | 2011 | 61 | National Engineering College | 61 |
| N-o -Vanillylidene- l -histidine: Experimental charge density analysis of a double zwitterionic amino acid schiff-base compound | Neelakantan M.A., Chamayou AC., Thalamuthu S., Avadhut Y.S., Schmedt Auf Der Günne J., Banerjee S., Janiak C. | Crystal Growth and Design | 2010 | 64 | National Engineering College | 64 |
| Microstructural, physico-chemical and mechanical characterisation of Sansevieria cylindrica fibres - An exploratory investigation | Sreenivasan V.S., Somasundaram S., Ravindran D., Manikandan V., Narayanasamy R. | Materials and Design | 2011 | 67 | National Engineering College | 67 |
| Computer-aided detection of breast cancer on mammograms: A swarm intelligence optimized wavelet neural network approach | Dheeba J., Albert Singh N., Tamil Selvi S. | Journal of Biomedical Informatics | 2014 | 71 | National Engineering College | 71 |

| | to study the wear of Al hybrid composites with graphite addition | Ravindran P., Manisekar K., Narayanasamy P., Selvakumar N., Narayanasamy R. | kar K., nasamy akumar Materials and Design ., nasamy | | 2012 | 2 72 | Natio Enginea Colle | ering | 72 |
|-------|---|---|--|--|--|------------------------------------|---------------------------|---------------------------------------|-----|
| | slope solar still with minimum | Aurugavel K.K., Sivakumar S., Ahamed J.R., Chockalingam Kn.K.S.K., Srithar K. | avel K.K., cumar S., ned J.R., kalingam K.S.K., | | ed Energy 201 | | Natio Enginea Colle | ering 1 | 09 |
| 3.4.7 | Faculty participation is | n Seminars/Co | onferences and | d Sympo | osia duri | ng the year | | | |
| | No. of Faculty Attended Seminars / | Interna | ational level | Natio | onal level 79 | l State le | evel | Local lev | vel |
| | Workshops Presented papers | | 43 | | 11 | | | | |
| | Resource Persons | | | | 33 | 11 | | | |
| 3.5 | CONSULTANCY | | | | | | | | |
| 3.5.1 | Revenue generated from | om Consultanc | y during the y | vear | | | | | |
| | Name of the Consultant (s) department | Name of C | Consultancy pro | oject | Consulting / Sponsoring Agency CM Envirosystems Pvt Ltd., Bangalore | | 1 | Revenue generated (amount in Rs | |
| | Mechanical | dust test char | | | | | vt F | Rs.2,50,000 |)/- |
| | Engineering | woven sack | | hodologies for Veubro pol Erode | | | | Rs.25,000/- | |
| | CSE | Services in the Intelligence | | | Engine | Power Strateg eering Division | | Rs. 3,60,00 | 0/- |
| | EEE | Excel Hydro Nanguneri, T | Pneumatics (I Firunelveli | ndia), | Electrical withstand test and megger | | | Rs. 3,500/- | |
| | Civil Engineering | | and Infrastruct | nts Ltd & Air voice nd Infrastructure ed To determin capacity, C Strength Te cube | | | | Rs. 27,000/- | |
| 3.5.2 | Revenue generated from | om Corporate T | Fraining by th | e institu | tion dur | ing the year | | | |
| | Name of the Consultant(s) & | Title of the Programme | 0 | cy seekii aining | ng | Revenue generated (amount in | | Number o trainees | of |
| | Department | i i ogrannine | | | | rupees) | | | |

3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

| Title of the Activities | Organising unit/ agency/ collaborating agency | Number of teachers co- ordinated in such activities | Number of students participated in such activities |
|---|--|---|--|
| NSS Special Camp | NSS | 2 | 100 |
| Eye Medical Camp at Aravind Eye Hospital, Tirunelveli | NSS | 2 | 65 |
| CATC camp @ Sankar Polytechnic, Sankar Nagar | NCC | 2 | 54 |
| Thalsainik Camp @ Mannar Thirumalai Naicker College, Madurai | NCC | 2 | 8 |
| BLC Camp @ Periyar Maniammai Universtity, Thanjavur | NCC | 2 | 4 |
| IUC-RDC Camp @ NTA, Idayappatti, Madurai | NCC | 2 | 3 |
| AAC @ 4 ENGRS REGMT, Secunderabad | NCC | 2 | 4 |
| RDC TRG-I CAMP @ James College of Engg, Nagercoil | NCC | 2 | 2 |
| Swachh Bharath Awareness @ NEC & KPT Village | NCC | 2 | 51 |
| Indhradhanush Awareness Program @ Ettayapuram | NCC | 2 | 51 |
| RDC GP TRG-II CAMP @ NTA, Idayappati, Madurai | NCC | 2 | 2 |
| RDC GP Launch Camp @ NTA, Idayappati, Madurai | NCC | 2 | 2 |
| RDC GP IGC Camp @ Bannari Amman College | NCC | 2 | 2 |
| SSB Screening Capsule – OTA, Nagpur | NCC | 2 | 1 |
| Medical Awareness Camp @ Kovilpatti | NCC | 2 | 30 |
| NIC-II @ SILCHAR | NCC | 2 | 6 |
| RDC TRG-II Camp @ New Delhi | NCC | 2 | 1 |
| RDC Training Camp @ New Delhi | NCC | 2 | 1 |
| Trekking Camp @ Belgaum | NCC | 2 | 3 |

| | Youth Day Cell | | | | | | | |
|---------------------|---|--|---|---|--|--------------------------------------|---|------------|
| | Outdoor Skill P | ractice | NCC | | 2 | | 61 | |
| | Camp @ Manin | nuthar | | | | | | |
| | Weapon Trainir | ng | | | | | | |
| | Practice @ San | | NGG | | | | - 1 | |
| | Polytechnic Col | | NCC | | 2 | | 51 | |
| | Sankar Nagar | | | | | | | |
| | | NCC B-Certificate | | | | | | - |
| | | | NCC | | 2 | | 51 | |
| | Exam @ Rani Anna | | NCC | | 2 | | 51 | |
| | College, Tirune | | | | | | | _ |
| | NCC C-Certificate | | | | | | | |
| | Exam @ St.Joh | | NCC | | 2 | | 21 | |
| | College, Tirune | | | | | | | |
| | NCC Cycle Ral | ly – | | | | | | |
| | "Clean India & | Water | NCC | | 2 | | 21 | |
| | Conservation" - | - 150 | NCC | | 2 | | 31 | |
| | Kms | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 3.6.2 | Awards and recogn | nition | received for extension | on activities from G | overnment a | and other | recognized bodies | S |
| | during the year | | | | | | - | |
| | during the year | | | | | | | |
| | Name of the | <u> </u> | | | | | | ٦ |
| | | | Award/recognition | n Awarding be | odies I | No. of Stu | idents benefited | |
| | Activity | | - | - | | | | _ |
| | | | | | | | | |
| | | | | | | | | |
| 3.6.3 | Students participat | ing in | extension activities | with Government (| roanisation | Non-Go | overnment | |
| 5.0.5 | | - | | | - | | | |
| | Organisations and | progra | ammes such as Swac | enn Bharat, Aids Av | vareness, Ge | ender Issu | e, etc. during the | year |
| | | | | | | | | |
| | | | | | | | | |
| | Organising unit/ | | | | Numbe | er of | Number of student | 1 2 |
| | Name of the | | rganising unit/ | | | | Number of student | |
| | Name of the | | 0 0 | Name of the activity | teacher | s co- | participated in suc | |
| | Name of the scheme | | 0 0 | Name of the activity | teacher ordinated | s co- l such | | |
| | | | cy/ collaborating | | teacher | s co- l such | participated in suc | |
| | scheme | agen | cy/ collaborating agency | Cleaning work in | teacher ordinatec activit | s co- l such | participated in suc | |
| | | agen NSS | cy/ collaborating agency S Club, National | | teacher ordinatec activit | s co- l such | participated in suc activities | |
| | scheme | agen NSS | cy/ collaborating agency S Club, National ineering College, | Cleaning work in | teacher ordinatec activit | s co- l such | participated in suc | |
| | scheme Swachh | agen NSS | cy/ collaborating agency S Club, National | Cleaning work in Femple, School, Play | teacher ordinatec activit | s co- l such | participated in suc activities | |
| 37 | scheme Swachh | agen NSS | cy/ collaborating agency S Club, National ineering College, | Cleaning work in Femple, School, Play ground premises of | teacher ordinatec activit | s co- l such | participated in suc activities | |
| 3.7 | scheme Swachh Bharat Collaborations | agen NSS Engi | cy/ collaborating agency S Club, National ineering College, Kovilpatti | Cleaning work in Femple, School, Play ground premises of Villiseri village | teacher ordinated activit | s co- 1 such ties | participated in suc activities | |
| | scheme Swachh Bharat Collaborations | agen NSS Engi | cy/ collaborating agency S Club, National ineering College, | Cleaning work in Femple, School, Play ground premises of Villiseri village | teacher ordinated activit | s co- 1 such ties | participated in suc activities | |
| 3.7 3.7.1 | scheme Swachh Bharat Collaborations | agen NSS Engi | cy/ collaborating agency S Club, National ineering College, Kovilpatti | Cleaning work in Femple, School, Play ground premises of Villiseri village | teacher ordinated activit | s co- 1 such ties | participated in suc activities | |
| | scheme Swachh Bharat Collaborations Number of Collabo | agen NS: Engi | cy/ collaborating agency S Club, National ineering College, Kovilpatti | Cleaning work in Femple, School, Play ground premises of Villiseri village ch, faculty exchang | teacher ordinatec activit 2 e, student ex | s co- 1 such ties | participated in suc activities 100 luring the year | |
| | scheme Swachh Bharat Collaborations Number of Collaborations | agen NSS Engi | cy/ collaborating agency S Club, National ineering College, Kovilpatti e activities for resear Participant | Cleaning work in Femple, School, Play ground premises of Villiseri village | teacher ordinatec activit 2 e, student ex | s co- 1 such ties | participated in suc activities 100 luring the year Duration | |
| | scheme Swachh Bharat Collaborations Number of Collabo | agen NSS Engi | cy/ collaborating agency S Club, National ineering College, Kovilpatti | Cleaning work in Femple, School, Play ground premises of Villiseri village ch, faculty exchang | teacher ordinatec activit 2 e, student ex | s co- 1 such ties | participated in suc activities 100 luring the year | |
| | scheme Swachh Bharat Collaborations Number of Collaborations | agen NSS Engi | cy/ collaborating agency S Club, National ineering College, Kovilpatti e activities for resear Participant | Cleaning work in Femple, School, Play ground premises of Villiseri village ch, faculty exchang | teacher ordinatec activit 2 e, student ex | s co- 1 such ties | participated in suc activities 100 luring the year Duration | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collabo Nature of Actir Paper Publicati | agen NSS Engi orative vity ions | cy/ collaborating agency S Club, National ineering College, Kovilpatti e activities for resear Participant 10 | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of fina | teacher ordinated activit 2 e, student ex ncial support | s co- 1 such ties achange d | participated in suc activities 100 luring the year Duration 1 Year | |
| | scheme Swachh Bharat Collaborations Number of Collabo Nature of Actir Paper Publicati | agen NSS Engi orative vity ions | cy/ collaborating agency S Club, National ineering College, Kovilpatti e activities for resear Participant | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of fina | teacher ordinated activit 2 e, student ex ncial support | s co- 1 such ties achange d | participated in suc activities 100 luring the year Duration 1 Year | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collabo Nature of Actir Paper Publicati | agen NSS Engi orative vity ions itution | cy/ collaborating agency S Club, National ineering College, Kovilpatti activities for resear Participant 10 s/industries for inter | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of finat | teacher ordinated activit 2 e, student ex ncial support | s co- 1 such ties achange d | participated in suc activities 100 luring the year Duration 1 Year | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collabo Nature of Actir Paper Publicati | agen NSS Engi orative vity ions itution | cy/ collaborating agency S Club, National ineering College, Kovilpatti e activities for resear Participant 10 | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of finat | teacher ordinated activit 2 e, student ex ncial support | s co- 1 such ties achange d | participated in suc activities 100 luring the year Duration 1 Year | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collabo Nature of Actir Paper Publicati | agen NSS Engi orative vity ions itution | cy/ collaborating agency S Club, National ineering College, Kovilpatti activities for resear Participant 10 s/industries for inter | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of finat mship, on-the-job tr stry – Institute Inter | teacher ordinated activit 2 e, student ex ncial support aining, proje | s co- 1 such ties | participated in suc activities 100 luring the year Duration 1 Year sharing of | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collabo Nature of Acti Paper Publicati Linkages with insti | agen NSS Engi orative vity ions itution etc. du | cy/ collaborating agency S Club, National ineering College, Kovilpatti e activities for resear Participant 10 s/industries for inter ring the year (Indus | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of fina mship, on-the-job tr stry – Institute Inter Name of the pa | teacher ordinated activit 2 e, student ex ncial support aining, proje action) | s co- l such ties | participated in suc activities 100 luring the year Duration 1 Year sharing of | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collabo Nature of Actir Paper Publicati | agen NSS Engi orative vity ions itution etc. du | cy/ collaborating agency S Club, National ineering College, Kovilpatti activities for resear Participant 10 s/industries for inter | Cleaning work in Femple, School, Play ground premises of Villiseri village ch, faculty exchang Source of fina mship, on-the-job tr stry – Institute Inter Name of the pa Institution / industr | teacher ordinated activit 2 e, student ex ncial support aning, proje action) rtnering y / research | s co- 1 such ties | participated in suc activities 100 luring the year Duration 1 Year sharing of | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collaborations Number of Collaborations Linkages with instruction Linkages with instruction Nature of linka | agen NSS Engi orative vity ions itution etc. du ge | cy/ collaborating agency S Club, National ineering College, Kovilpatti activities for resear Participant 10 s/industries for inter ring the year (Industries for the linkage | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of finat rnship, on-the-job tr stry – Institute Inter Name of the pa Institution / industr lab with contac | teacher ordinated activit 2 e, student ex ncial support aining, proje action) thering y / research t details | s co- l such ties | participated in suc activities 100 luring the year Duration 1 Year sharing of on To) Participant | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collabo Nature of Acti Paper Publicati Linkages with insti | agen NSS Engi orative vity ions itution etc. du ge | cy/ collaborating agency S Club, National ineering College, Kovilpatti e activities for resear Participant 10 s/industries for inter ring the year (Indus | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of finat mship, on-the-job tr stry – Institute Inter Name of the pa Institution / industr lab with contac Apex Design | teacher ordinated activit 2 e, student ex ncial support aning, proje action) rtnering y / research | s co- l such ties | participated in suc activities 100 luring the year Duration 1 Year sharing of on To) Participant | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collabo Nature of Acti Paper Publicati Linkages with insti research facilities e Nature of linka Incubation Cente | agen NSS Engi orative vity ions itution etc. du ge | cy/ collaborating agency S Club, National ineering College, Kovilpatti activities for resear Participant 10 s/industries for inter ring the year (Industries for the linkage | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of fina mship, on-the-job tr stry – Institute Inter Name of the pa Institution / industr lab with contac Apex Design Coimbatore | teacher ordinated activit 2 e, student ex ncial support action) thering y / research t details Centre, | s co- l such ties | participated in suc activities 100 luring the year Duration 1 Year sharing of on To) Participant | |
| 3.7.1 | scheme Swachh Bharat Collaborations Number of Collaborations Number of Collaborations Linkages with instruction Linkages with instruction Nature of linka | agen NSS Engi orative vity ions itution etc. du ge | cy/ collaborating agency S Club, National ineering College, Kovilpatti activities for resear Participant 10 s/industries for inter ring the year (Industries for the linkage | Cleaning work in Temple, School, Play ground premises of Villiseri village ch, faculty exchang Source of finat mship, on-the-job tr stry – Institute Inter Name of the pa Institution / industr lab with contac Apex Design | teacher ordinated activit 2 e, student ex ncial support action) thering y / research t details Centre, | s co- l such ties | participated in suc activities 100 luring the year Duration 1 Year sharing of on Fo) Participant rs 28 | |

National Engineering College

| | Internship, on-the-job training, project work | Bizplus Prod Development La | 1 | 5 Years | 9 |
|----|--|--------------------------------|--|------------------------------------|---------|
| | Internship cum Placement | MOU | Recodem Software Solutions, Chennai | 5 years | 4 |
| .3 | MoUs signed with institu corporate houses etc. due | | l, international importance, other i | institutions, indus | stries, |
| | Organisation | Date of MoU signed | Purpose and Activities | Number of stude participated un | |
| | M/s. Bizplus Services, Chennai, Taminadu | 04.12.2016 | To provide training to incubates and to support R&D activities in the area of cloud, IoT and artificial intelligence | 9 | |
| | M/s. River silica, Bangalore | 17.08.2015 | To have collaboration with academic, research and incubation related activities in the area of signal and image processing | | |
| | M/s. BS Tecknology Pvt. Ltd., Madurai, Tamilnadu | 07.09.2017 | To create entrepreneurs and to develop innovative solutions through web development and software development | | |
| | M/s. Axis Global Institute of Industrial Training, Coimbatore, Tamil Nadu | | To train the students and the faculties in PLC and SCADA through industrial internship and inplant training | | |
| | M/s. Mitrah Soft Software Solutions, Kovilpatti, Tamilnadu | 01.08.2017 | To support startups on software development in the area of web services and web technology | | |
| | Recodem Software Solutions, Chennai | 21.02.2018 | Internship cum Placement | 05 | |
| | AJ & J Tech Solutions Pvt., Ltd, Bangalore | November, 2019 | Internship cum Placement | 04 | |
| | JiJi Technologies Pvt. Ltd, Tirunelveli | 04.09.2017 | Academic Interaction and collaboration | | |

| CRIT 4.1 | - | ing | | | | | | | | |
|--------------------|---|--|--|--|--|--|--|---|--|---|
| | Physical Facilit | | | | | | | | | |
| 4.1.1 | Budget allocation, excluding salary for infrastructure augmentation during the year | | | | | | | | | |
| | Budget allocat | ad for infr | actructura | allaman | tation | Bu | doot u | tilized for inf | rastructu | re development |
| | | Rs. 260 | | augmen | lation | Du | luget u | | 3 Lakhs | |
| 4.1.2 | Details of augme | Details of augmentation in infrastructure facilities during the yea | | | | | | <u>Duitili</u> | | |
| 1.1.2 | | | i iiii usu c | | unities a | unne | the y | <u> </u> | | |
| | | Facilities | | | | Exist | 0 | | | Newly added |
| | Campus area | | | 07.00 | | <u>50 sq</u> . | mt. | | 4 (211 | - |
| | Class rooms | | | | $\frac{324.28 \text{ sq}}{0720.74}$ | | | | | .649 sq.mt) |
| | Laboratories Seminar Halls | | | | 0729.74) | | | | | .34 sq.mt |
| | Classrooms w | | cilitics | | 71.03 sq.1 9.94 sq. n | | | | 1 (18) | 6.9 sq.mt) |
| | Classrooms w | | | | lass rooms | | | | | - |
| | Seminar halls | | | | 1455 10011 | <u> </u> | | | | _ |
| | Video Centre | when ite i i | defittes | | | 8 | | | | _ |
| | No. of importa | ant equipm | ents | | | 209 | | | | 12 |
| | purchased (≥ 1 | | | | | | | | | |
| | Current year. | | | | | | | | | |
| | Value of the e | ourchased | | | - | | | Rs.5 | 8,98,183 | |
| | during the yea | r (Rs. in La | akhs) | | | | | | | |
| | Others | | | | | | | | | |
| | | | | | | | | | | |
| 42 | Library as a Le | arning R | esource | | | | | | | |
| 4.2 | Library as a Le | 5 | | | | | | | | |
| 4.2 4.2.1 | Library as a Le | 5 | | l Librai | y Mana | geme | nt Sy: | stem (ILM | S)} | |
| | - | mated {In | ntegrated | Librar | | geme | | | | |
| | Library is auto | mated {In | ntegrated Nature | | nation | geme | | stem (ILM) ersion | | ear of automatio |
| | Library is auto Name of the software | mated {In | ntegrated Nature | e of autor y or parti | nation | geme | | ersion | | |
| | Library is auton | mated {In | ntegrated Nature | of autor | nation | geme | | | | Year of automatic 2013 |
| | Library is autor Name of the software InsproPlus | mated {In ILMS e | ntegrated Nature | e of autor y or parti | nation | geme | | ersion | | |
| | Library is auto Name of the software | mated {In ILMS e | ntegrated Nature | e of autor y or parti | nation | geme | | ersion | | |
| | Library is autor Name of the software InsproPlus | mated {In ILMS e | ntegrated Nature | e of autor y or parti Fully | nation | geme | V | ersion | | |
| | Library is autor Name of the software InsproPlus | mated {In ILMS e | ntegrated Nature | e of autor y or parti Fully | mation ally) | | V | ersion 6.1 | | 2013 |
| | Library is autor Name of the software InsproPlus | mated {In ILMS e | ntegrated Nature (fully | e of autor y or parti Fully Fully | nation ally) Existing | e | V | ersion 6.1 wly Added | Y | 2013 Total |
| | Library is autor Name of the software InsproPlus Library Services | mated {In | ntegrated Nature (fully | e of autor y or parti Fully Fully E No. | nation ally) Existing Value | e | V Nev No. | ersion 6.1 wly Added Value | No. | 2013 Total Value |
| | Library is autor Name of the software InsproPlus Library Services | mated {In | ntegrated Nature (fully | e of autor y or parti Fully Fully Fully Fully Fully Fully Fully | nation ally) Existing Value | e | V Ne No. 1703 | ersion 6.1 wly Added Value 8,21,677.00 | No. 59100 | 2013 Total Value |
| | Library is autor Name of the software InsproPlus Library Services Books | mated {In | ntegrated Nature (fully | e of autor y or parti Fully E No. 57,397 1038 | nation ally) Existing Value | e 83.75 | V No. 1703 29 | ersion 6.1 wly Added Value 8,21,677.00 | No. 59100 1067 | 2013 Total Value |
| | Library is autor Name of the software InsproPlus Library Services Books e-Books | mated {In | ntegrated Nature (fully | e of autor y or parti Fully F No. 57,397 1038 875 | nation ally) Existing Value 1,75,59,08 | e 83.75 98.50 | V Nev No. 1703 29 - | ersion 6.1 wly Added Value 8,21,677.00 - - | No. 59100 1067 875 | 2013 Total Value 1,83,80,760.75 - - |
| | Library is autor Name of the software InsproPlus Library Services Books e-Books Journals | Text Boo Reference | htegrated Nature (fully ks e Books | e of autor y or parti Fully Fully B No. 57,397 1038 875 194 | nation ally) Existing Value 1,75,59,08 - - - 6,89,59 | e 83.75 98.50 57.00 | V No. 1703 29 - 125 | ersion 6.1 wly Added Value 8,21,677.00 - - 3,73,473.00 | No. 59100 1067 875 125 | 2013 Total Value 1,83,80,760.75 - - 3,73,473.00 |
| | Library is autor Name of the software InsproPlus Library Services Books e-Books Journals | Text Boo Reference | htegrated Nature (fully ks e Books | e of autor y or parti Fully Fully E No. 57,397 1038 875 194 145 | mation ally) Existing 1,75,59,08 - - 6,89,59 5,41,16 | e 83.75 98.50 57.00 54.00 | V No. 1703 29 - 125 152 | ersion 6.1 wly Added Value 8,21,677.00 - - 3,73,473.00 5,45,433.00 | No. 59100 1067 875 125 152 | 2013 Total Value 1,83,80,760.75 - 3,73,473.00 5,45,433.00 |
| | Library is autor Name of the software InsproPlus Library Services Books e-Books Journals | Text Boo Reference IEEE Science I | Nature (fully ks e Books | e of autor y or parti Fully Fully E No. 57,397 1038 875 194 145 275 | nation ally) Existing Value 1,75,59,08 - - 6,89,59 5,41,16 6,82,85 | e 83.75 98.50 57.00 54.00 51.00 | V No. 1703 29 - 125 152 275 | ersion 6.1 wly Added Value 8,21,677.00 - 3,73,473.00 5,45,433.00 6,92,412.00 | No. 59100 1067 875 125 152 275 | 2013 Total Value 1,83,80,760.75 - 3,73,473.00 5,45,433.00 6,92,412.00 |
| | Library is autor Name of the software InsproPlus Library Services Books e-Books Journals | mated {In ILMS = Text Boo Reference IEEE Science I ASME | htegrated Nature (fully ks e Books Direct | e of autor y or parti Fully Fully E No. 57,397 1038 875 194 145 275 | mation ally) Existing Value 1,75,59,08 - - - 6,89,59 5,41,16 6,82,85 2,31,06 11,50 | e 83.75 98.50 57.00 54.00 51.00 | V No. 1703 29 - 125 152 275 30 | ersion 6.1 wly Added Value 8,21,677.00 - 3,73,473.00 5,45,433.00 6,92,412.00 2,28,483.00 | No. 59100 1067 875 125 152 275 30 | 2013 Total Value 1,83,80,760.75 - 3,73,473.00 5,45,433.00 6,92,412.00 2,28,483.00 |

| | | | | | | | | | | TB | | |
|-------|---------------------|---------------------------------------|---|-------------|--|------------|--------------------|-----------|----------|---------|-----------------------|--------|
| | | Spol CDs | cen Tutorial | 6 nos. | - | | - | | - | 6 nos. | | |
| | | Text | Book CDs | 3147 | | | 263 | | | 3410 | | |
| | Others (specify) | | DELNET Since 2009 (Inter Library Loan & Document Delivery Services) | | | | | | | | | |
| | | FOS | S Courses the | rough Spol | en Tutoria | lls, IIT l | Bomba | у | | | | |
| 4.2.2 | Graduate) | developed b SWAYAM onal (Learni | other MO | OCs plat | form NP | TEL/N | MEI | ` | | | | |
| | | ne of the eacher | Nan | ne of the 1 | nodule | | latforr odule i | | | | Date of la e - cor | U |
| | | - | | _ | | | | - | • | | - | |
| 4.3 | IT Infrast | ructure | | | | | | | | | | |
| 4.3.1 | Technolog | y Upgradati | on (overall |) | | | | | | | | |
| | | Total Computer s | Compute r Labs | Internet | Brows | 0 | Comp Centr | | Offic | e I | Departme nts | Others |
| | Existin g | 1544 | 1163 | 320 Mbps | 83 | | 139 |) | 45 | | 68 | 46 |
| | Added | 59 | 59 | | | | | | | | | |
| | Total | 1603 | 1222 | | 83 | | 139 |) | 45 | | 68 | 46 |
| 4.3.2 | Bandwidth | n available o | f internet c | | n in the I BPS /GE | | ion (L | easec | l line) | | | |
| 4.3.3 | Facility for | r e-content | | | | | | | | | | |
| | Name | of the e-cont facil | · | ment | Provide the link of the videos and media centre and recording facility | | | | | | | re and |
| | ERP | | | | http://erg | p.nec.e | du.in/e | erp/ | | | | |
| | Feedback | k for Teachin | g - Learning | 5 | <u>172.16.11.11/feedback</u> | | | | | | | |
| | R & D po | | | | <u>172.16.1</u> | | | | | | | |
| | - | Recruitment | | | 172.16.1 | | | | | | | |
| | Faculty A | ~ ~ | | | <u>172.16.1</u> | | | | | | | |
| | NECAM | | | | http://ne | | | - | itomatic | on/inde | <u>x.php</u> | |
| | Grievanc | | ~ | ~~~ | <u>172.16.1</u> | - | | <u>ce</u> | | | | |
| | Choice B | ased Credit S | System (CB | CS) | <u>172.16.1</u> | 1.11/c | bcs | | | | | |
| 4.4 | Maintena | nce of Cam | pus Infras | tructure | 1 | | | | | | | |

4.4.1

Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

| | Assigned budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|---------------------------------------|--|---|--|---|
| Building | | | 1,80,00,000 | 23,42,381 |
| Equipment | 1,50,00,000 | 2,41,24,533 | - | - |
| Books | 10,00,000 | 8,26,450 | - | - |
| Journals including | 25,00,000 | 19,06,973 | - | - |
| E-journals | | | | |
| Research & Development | - | 19,20,381 | - | - |
| Building Maintenance | - | - | 80,00,000 | 89,71,289 |
| Other Maintenance | - | - | 10,00,000 | 18,82,976 |
| Bus Maintenance | 1,20,00,000 | 1,49,35,238 | - | - |
| Internet | 25,00,000 | 24,53,773 | - | - |
| Software Expenses | 15,00,000 | 12,83,741 | - | - |
| Sports & Games | 12,00,000 | 17,65,693 | - | - |
| Professional Society membership | 2,50,000 | 7,67,828 | | |
| Staff Development Expenses | 10,00,000 | 22,47,573 | - | - |
| Student Project Expenses | 1,00,000 | 1,55,957 | | |
| Seminar Expenses | 12,00,000 | 12,10,239 | | |
| Special course Expenses | 8,00,000 | 6,24,547 | | |
| BEC Course Expenses | 5,50,000 | 4,99,375 | | |
| Scholarship expenses | 3,00,000 | 2,19,112 | | |
| Lab Maintenance | 40,00,000 | 52,41,886 | | |
| TOTAL | 4,39,00,000 | 6,01,83,299 | 2,70,00,000 | 1,31,96,646 |

4.4.2

Procedures and policies for maintaining and utilizing physical, academic and support facilities laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words)

Physical facilities

The comprehensive infrastructure of the College is constituted by elementary features like buildings, classrooms and playgrounds, Administrative office, Auditorium, and advanced attributes like ICTenabled classrooms and laboratory facilities. The physical facilities are made available for the students those who are admitted in the college. Sometimes it is also made available for the other governmental and the nongovernmental organizations for conducting the exams and training based on the availability. The maintenance and the cleaning of all the blocks including classrooms, laboratories and garden are done with the efforts of the non-teaching staff appointed for the above said purpose. A separate wing headed by a Maintenance engineer will supervise the work.

The college has adequate number of the computers with internet connections and UPS support and the utility software's distributed in different locales like office, laboratories, library, departments etc. All the stakeholders have equal opportunity to use those facilities as per the rules and the policies of the institution. The college also provides uninterrupted power supply throughout the campus. The maintenance of UPS and the Generator is regularly done by separate wing headed by Senior Engineer

Academic and Support Facilities

The academic support facilities like library, the sports and the other platforms supporting overall development of the students like NSS or Competitive examination cell etc. is open to the students by 24x7. Accession to library is permitted for both students and faculties by producing id proofs. A provision of the budget for the library maintenance is made by the college management.

The department of physical education has adequate infrastructure consisting of the indoor Hall, 400 meter running track and Hockey ground which can be used by student, staff and the local community. The physical education department of our Institution is facilitated by the physical director and directress to engage the students in physical activities. The cost of maintenance is done by the Management of the college. A gym has been established on behalf of the physical education department within the college premises and hostels.

Academic facilities

The Heads of the respective Departments superintend the research, PG and UG laboratories. Each of the curricular, co-curricular and extra-curricular facilities available in the Departments are maintained and managed in such a way that they are freely accessible to all the students, but strictly monitored by a member of the faculty, who is in charge of the facility. The major funds which aid in the enrichment and maintenance of infrastructural facilities are from the Management and project funds. The institution avidly insists on credibility and transparency in all transactions. As a manifestation of this ideal, a Purchase Committee is constituted to administer all the purchases made in the campus. There are ample guidelines legislated for the Committee to exercise its powers judiciously. The Principal and a Convener, nominated by the College Council, head the Committee.

The College ensures the availability of latest equipment and up-to-date infrastructure in the campus. There is a systematic procedure for the purchase as well as maintenance of these infrastructural facilities including all sorts of equipments which is as follows:

- 1. Submission of requirement in the form of a proposal
- 2. Evaluation by Purchase Committee and Maintenance Committee
- 3. Approval by the Principal
- 4. Call for quotations and verification of prices and availability of the items
- 5. Approval from the Management

| 6. | At the end of financial year stock verification is undertaken for various departments and a detailed |
|----|--|
| | report is compiled. Based on this policy the perspective plan for the maintenance, repair, writing off |
| | and purchase of relevant infrastructure facilities is formulated (refer web site) |

- 7. The College maintenance team regularly monitors and supervises the available infrastructure and ensures its upkeep, repair and other maintenance of the infrastructure.
- 8. Round the clock Security of the College aids in keeping the College infrastructure secure.
- 9. Fire Extinguishers have been installed at identified locations.
- 10. Safe and Clean Drinking Water is ensured through ROs and Water Coolers.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

| 5.1 | Student Su | pport | | | | |
|-------|-------------------------|---|---|--|--|---------------------------------|
| 5.1.1 | Scholarship | s and Financial Sup | oport | | | |
| | | Nam | e / Title of the scheme | Number of stu | dents Amou | nt in Rupees |
| | Financial from insti | | rious Scholarship | 3 | 1 | ,35,000 |
| | Financial s | support from other so | | | | |
| | a) Nation | | Vadu Government rship | 800 | 1,1 | 4,88,200 |
| | | Other S | Sources | 22 | 1 | ,44,000 |
| | b) Interna | ational | - | - | | - |
| 5.1.2 | Remedial c Mentoring | coaching, Language | ement and developm e lab, Bridge courses | s, Yoga, Meditatio | on, Personal Co | |
| | | f the capability ement scheme | Date of implementation | Number of stude enrolled | Ager | cies involved |
| | Soft skill D | evelopment | 2011 | All students | College P | lacement Cell |
| | BEC Cours | se | 2011 | 115 | Trichy | ouncil & Ebek, |
| | Personal Co | ounseling | 2013-14 | 10 | | santha Lakshmi. Counsellor |
| | Yoga | | 2013-14 | 209 | Sky, Alya | |
| 5.1.3 | | nefited by guidance luring the year | e for competitive example | ninations and care | er counseling o | ffered by the |
| | Year | Name of the scheme | Number of benefited students by Guidance for Competitive examination | Number of benefited students by Career Counseling activities | Number of students who have passed in the competitive exam | Number of students placed |
| | 2017-18 | Gate Forum & Career Guidance Cell | 1493 | 1320 | 15 | 207 |

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Transparency in Evaluation: All the end semester examination papers are shown to the students before publishing the results. Any grievances in the evaluation proposed by the students will be rectified then and there.

| | | -1 | | | | | Ave | rage nun | nber of days for |
|-------|--------------|--|----------|---------------------------|-------|---------------------------|-----------------------------------|----------|-------------------------------------|
| | Tot | al grievances receiv | ved | No. of g | | nces redresse | a | - | ce redressal |
| | | 102 (Nov. 2017) | | | | 02 | | Withi | n the day |
| | | 87 (April 2018) | | | 8 | 37 | | vv itili | if the duy |
| 5.2 | Student | Progression | | | | | | | |
| 5.2.1 | Details of | f campus placeme | nt durin | g the year | | | | | |
| | | | |)n campus | | | | | Off Campus |
| | Name o | f Organizations | | per of Student | S | | of Students | Nurr | ber of Students |
| | | Visited | Р | articipated | | | laced | | Placed |
| 5.2.2 | Student n | 42 progression to high | or adua | 415 | onto | | 07 | | |
| 5.2.2 | Student p | rogression to high | ier educ | ation in perc | entag | ge during the | e year | | |
| | Year | Number of stude enrolling into hig education | her F | Programme aduated from | | Department duated from | Name of inst joined | | Name of Programme admitted to |
| | | 03 | | B.E | | CSE | NEC | | ME (CSE) |
| | | 05 | | B.E | N | Iechanical | TCE | | MBA |
| | | 1 | | B.E | | EEE | Australian N University,A a | | MS |
| | 2017- 18 | 2 | | B.E | | EEE | Anna Unive Chenna | ai | ME |
| | | 1 | | B.E | | EEE | PSG tec Coimbate | · | MBA |
| | | 1 | | B.E | | EEE | TCE | | ME |
| | | 1 | | B.E | | EEE | GCE, Tirun | | ME |
| | | 7 | | BE | | EEE | Private Instit | | ME |
| 5.2.3 | | qualifying in state /SET/SLET/GAT | | AT/CAT/GRE | E/TO | FEL/Civil S | ervices/State | Governi | ment Services) |
| | | Items | | | | Students qualifying | | | n number/roll or the exam |
| | NET | | | | - | <u> </u> | | | |
| | SET | | | | | - | | | |
| | SLET | | | | - | - | | | |
| | GATE | | | | | 9 | | | |
| | GMAT | | | | | - | | | |
| | CAT/M | AT | | | | 5 | | | |
| | GRE TOFEL | | | | | - | | | |
| | Civil Se | | | | | - | | | |
| | | overnment Services | 3 | | | | | | |
| | Any Ot | | - | | | 1 | | | |

| | | Activity | | Level | | Doutio | ripants |
|-------|---|---|--|---|---|--|--|
| | Ball Badm | ninton (Women) | | Inter Zone | | | .0 |
| | | nis (Women) | | Inter Zone | | | 5 |
| | | Ball (Women) | | State Level | | 1 | 2 |
| | | n team (Men) | Anna U | Jniversity, Cheni | nai Zone -18 | | 6 |
| | Basketball | team (Men) | | Jniversity, Cheni | | 1 | 2 |
| | Chess team | · · · · · | | Jniversity, Cheni | | | 5 |
| | Hockey te | am (Men) | Anna U | Jniversity, Chenn | nai Zone -18 | 1 | 8 |
| 5.3 | Student Pa | articipation and A | ctivities | | | | |
| 5.3.1 | | awards/medals for ternational level (a | | | | | |
| | Year | Name of the award / medal | National / International | Sports | Cultural | Student ID number | Name of the student |
| | 2017-18 | - | - | - | - | - | - |
| | representat | ives from each pro | | - | | • | AC, studen members o |
| | the council their fellow | ives from each pro and give their op friends and asks t iews are also recor | ogram are inclu inion. This for them to presen | ided. Students o rum also sugge t their grievanc | can directly int sts the student es in a collecti | eract with the members to inve manner. The | members o nteract with e Individua |
| | the council their fellow student's v important i | and give their op riends and asks t | ogram are inclu inion. This for them to presen ded in the min l, experts and | ided. Students or rum also sugge t their grievanc utes of the mee | can directly int sts the student es in a collecti ting. Before ta | eract with the members to in we manner. The aking any final | members o nteract wit e Individua decision o |
| | the council their fellow student's v important i the student Fur | and give their op friends and asks t iews are also recor ssues, the Principa | ogram are inclu inion. This for them to presen ded in the min al, experts and al. e their represe | ided. Students of rum also sugge t their grievanc utes of the mee the members fr | can directly int sts the student es in a collecti- ting. Before ta rom the manag Class committ | eract with the remembers to in we manner. The aking any final ement with the ee which inclu | members on nteract wit e Individua decision o e concern o udes facult |
| | the council their fellow student's v important i the student Fur members, s and wisdor | and give their op friends and asks t iews are also recor ssues, the Principa s give their approv ther, Students give students with good m for the students | ogram are inclu inion. This for them to presen ded in the min d, experts and al. e their represe academic and to define and | ided. Students of rum also sugge t their grievanc utes of the mee the members fr entation in the l slow learners. plan their teach | can directly int sts the student es in a collecti- ting. Before ta rom the manag Class committ The class con hing learning p | eract with the members to in ve manner. The aking any final ement with the ee which inclu nmittee gives f | members of nteract wit e Individua decision o e concern of ndes facult ull freedor ng definin |
| | the council their fellow student's v important i the student Fur members, s and wisdor evaluation | and give their op friends and asks to iews are also recorn ssues, the Principa s give their approve ther, Students give students with good m for the students procedure for the | egram are inclu inion. This for them to presen ded in the min al, experts and al. their represe academic and to define and continuous as | aded. Students of rum also sugge t their grievance utes of the mee the members fr intation in the slow learners. plan their teach sessment. In a | can directly int sts the student es in a collecti- ting. Before ta com the manag Class committ The class con hing learning p ddition to that | eract with the members to in we manner. The aking any final ement with the ee which inclu- nmittee gives f process includi students have | members on interact with a Individual decision of concern of indes facult full freedor ing definin been give |
| | the council their fellow student's v important i the student Fur members, s and wisdor evaluation full autono | and give their op friends and asks t iews are also recor ssues, the Principa s give their approv ther, Students give students with good m for the students | ogram are inclu inion. This for them to presen ded in the min al, experts and al. their represe academic and to define and continuous ass ers for the asse | aded. Students of rum also sugge t their grievance utes of the mee the members fr intation in the slow learners. plan their teach sessment. In a pociation, Techn | can directly int sts the student es in a collecti- ting. Before ta com the manag Class committ The class con hing learning p ddition to that ical Chapters a | eract with the members to in we manner. The aking any final ement with the ee which inclu- nmittee gives f process includi students have and club activi | members of nteract with e Individual decision of e concern of ndes facult ull freedon ng definin been give ties such a |
| | the council their fellow student's v important i the student Fur members, s and wisdor evaluation full autono Rotract, Re every year | and give their op friends and asks to iews are also recorn ssues, the Principal s give their approve ther, Students give students with good in for the students procedure for the my to elect membre ed Cross and so or to enhance various | ogram are inclu inion. This for them to presen ded in the min al, experts and al. their represe academic and to define and continuous ass ers for the asse h. Through the | aded. Students of rum also sugge t their grievance utes of the mee the members fr antation in the slow learners. plan their teach sessment. In a pociation, Techn ese clubs more | can directly int sts the student es in a collecti- ting. Before ta com the manag Class committ The class con hing learning p ddition to that ical Chapters a than 132 activ | eract with the response of the members to inverse to inverse to inverse to inverse to inverse the members. The aking any final ement with the event with the event with the event with the process includi students have and club activities have been | members on interact with a Individual decision of concern of indes facult ull freedon ing definin been give ties such a n conducte |
| | the council their fellow student's v important i the student Fur members, s and wisdor evaluation full autono Rotract, Re every year programme In ac | and give their op friends and asks to iews are also recorn ssues, the Principal s give their approve ther, Students give students with good in for the students procedure for the my to elect membre ed Cross and so or to enhance various | ogram are inclu inion. This for them to presen ded in the min al, experts and al. their represe academic and continuous ass ers for the asse h. Through the s skills of the s ents play impo | aded. Students of rum also sugge t their grievance utes of the mee the members fr antation in the solution in the l slow learners. plan their teach sessment. In a pociation, Techn ese clubs more students. Students | can directly int sts the student es in a collecti- ting. Before ta com the manag Class committ The class con hing learning p ddition to that ical Chapters a than 132 activ nts act as organ | eract with the research with t | members of nteract wit e Individua decision o e concern of ades facult ull freedor ng definin been give ties such a n conducte inteer man facilities a |

| 5.3 | Alumni | Engagement | | | | |
|-------|---------------------|--------------------------|---------------|------------|---|----------------------------------|
| 5.3.1 | Whether 500 word | | nas register | red Alum | nni Association? Yes/No, if yes | s give details (maximur |
| | • N | IEC Alumni assoc | ciation was | started in | the year 1991. | |
| | | | | | ered with Tamil Nadu society | on 01.06.2006. Societ |
| | | egistration No: 5 | | | | 011 01100.2000, 20010 |
| | | - | | ad with | world class audio/video conferen | as facility with 200 cas |
| | | | | | | |
| | | | • | | umni members regularly connect | and share their experience |
| | | o the Students/ Fa | | - | | |
| | • T | he association h | as various | chapters | at Chennai, Bangalore, UAE, K | uwait, Singapore and th |
| | g | eneral body mee | t is conduc | ted once | in a year in which all member | s present and discuss th |
| | a | ctivities and prog | ress of the a | ssociation | 1. | |
| | • 5 | Silver Jubilee Reu | nion is orga | nized and | l celebrated every year (5 Batches | completed). |
| | • 0 | Conducts Seminar | on latest tre | nds in ind | lustry. | |
| | • F | inancially assistir | ıg in innova | tive proje | cts. | |
| | | rovides job oppor | - | ~ • | | |
| | | v 11 | - | - | | |
| 5.3.2 | No. of 1 | registered Alum | ni: 7000 No | DS | | |
| 5.3.3 | Alumni | contribution du | ring the ye | ar (in Ru | pees) : Rs. 2,36,000/- | |
| | | Date | | Alur | nni Name, Batch | Amount Rs. |
| | | 05/02/2017 | | | m MECH 1995 | 5,000 |
| | | 05/17/2017 | Mr.Madhu | | | 1,00,000 |
| | | 12/13/2017 | | | gam ECE 1998 | 21,000 |
| | | 02/21/2018 | | | umni Members Contribute | 30,000 |
| | | 03/07/2018 | | | Members Contribute umni Members Contribute | 45,000 |
| | | 06/01/2018 06/06/2018 | | | Members Contribute | 20,000 |
| | | 00/00/2010 | 2002 Date | n / mannin | TOTAL | <u>15,000</u> 2,36,000 |
| 5.3.4 | Meeting | gs/activities orga | nized by A | Alumni A | | 2,50,000 |
| | S . N | o Date | Branch | Batch | Event | |
| | 1. | 16.06.2017 | CSE | 1989 | Interaction with IT III and Fina topic Awareness Programme in | |
| | 2. | 01.07.2017 | EIE | 2011 | (2011 Batch EIE) interacted wit students at Alumni Chamber the Conference | |
| | 3. | 03.07.2017 | EEE | 2016 | Alumni interaction with final ye | ar EEE students. |
| | 4. | 14.07.2017 | | | 1992 batch Reunion | |
| | 5. | 14.07.2017 | EEE | 2010 | Alumni interaction with final ye | |
| | 6. | 17.07.2017 | ECE | 2006 | Interacted with students on topic Opportunities through Video con | |

| 7. | 24.07.2017 | ECE | 2014 | Interacted with students on topic Post Graduation and Job opportunities in Germany through Video conferencing |
|-----|------------|------|------|--|
| 8. | 07.08.2017 | ECE | 1989 | Interacted with students on Applying learning into the constructive development for the world |
| 9. | 19.08.2017 | | | Extra Ordinary General Body meeting |
| 10. | 21.08.2017 | EIE | 1998 | Interacted with EIE 3 year Students |
| 11. | 23.08.2017 | EIE | 2013 | Interacted with final year EIE & ECE students on Tessolve campus drive programme |
| 12. | 31.08.2017 | EIE | 2010 | Interacted with EIE students on Safety Engineering Basics |
| 13. | 09.09.2017 | CSE | 2000 | Interacted with CSE & IT students |
| 14. | 28.09.2017 | EIE | 2013 | Interacted with EIE students |
| 15. | 09.12.2017 | | | Alumni participated in NBA Interaction |
| 16. | 11.12.2017 | MECH | 1992 | Interacted with CSE & IT students on Latest trend in IT industry & artificial intelligence |
| 17. | 22.12.2017 | EEE | 2015 | Interaction with III year EEE students. |
| 18. | 30.12.2017 | MCA | 2000 | Interacted with III year IT Students |
| 19. | 30.12.2017 | CSE | 2002 | Review of Alumni funded projects |
| 20. | 05.01.2018 | ECE | 2006 | Interacted with ECE students |
| 21. | 06.01.2018 | ECE | 2006 | Interacted with MECH students |
| 22. | 08.01.2018 | MECH | 2002 | Interacted with MECH Faculty |
| 23. | 10.01.2018 | CSE | 1990 | Interacted with IT CSE Students on Latest Trend IT |
| 24. | 11.01.2018 | MECH | 2002 | Interacted with MECH students Latest trend of mechanical engineering in global level and placement opportunity in global level |
| 25. | 24.01.2018 | CSE | 1988 | Interacted with IT II & III year Students |
| 26. | 10.02.2018 | EIE | 2006 | Interacted with Mech and EIE final year students towards getting placement in Emerson through Video conferencing |
| 27. | 17.02.2018 | Mech | 2002 | First review on alumni fund project at Alumni Chamber through Video conferencing |
| 28. | 23.02.2018 | | | Alumni induction programme for final year UG/PG student at Alumni Chamber |
| 29. | 06.03.2018 | ECE | 2005 | Interaction with students on topic Higher Studies in Abroad at Alumni Chamber thru Video conferencing |
| 30. | 09.03.2018 | Mech | 2002 | Interaction with students on topic Higher Studies in Abroad at Alumni Chamber thru Video conferencing |
| 31. | 23.03.2018 | | | Kuwait Chapter 3rd get together |
| 32. | 26.04.2018 | MECH | 1994 | Interaction with III Mech and I year students |
| 33. | 30.04.2014 | CSE | 2002 | Review of alumni Best project |
| 34. | 07.05.2018 | CSE | 1999 | Interaction with III year students |

| onal Vision and Lea | dership |
|-----------------------------|---|
| | - |
| - | alization and participative management during the last year (maximum |
| 5) | |
| | ntered practices: Heads of the departments are empowered to prepare |
| * | he consultation of senior faculty and lab in-charges. |
| e | DDs, a departmental level committee has been constituted to review the |
| | pments for laboratories, Research and for regular maintenance activities. |
| | ven authority in various committees/cells and allowed to conduct various |
| | to develop leadership skills by being in charge of various academic, co- |
| | tivities. They are given full rights to conduct industrial tours relevant to |
| - | with industrial experts and appointed as coordinator and convener for |
| seminars/workshops/co | |
| | en authority to do their Research works in their area of interest; in addition |
| | o set up Research centers with the support of Research funding or the |
| nt funding. | |
| - 0 | entered practices: Through Choice Based Credit System, Students are |
| | tive courses as well the faculty members for any course. Students can have |
| | d through online courses like NPTEL, Coursera, etc., Further, they have |
| | port to choose their career as Entrepreneur / Higher studies / placement / |
| for competitive examination | |
| C C | en enough representation in the highest decision making bodies like |
| | y Assurance Cell and Board of Studies. |
| - | vered to play an active role as a coordinator of co-curricular and extra- |
| activities, social service | |
| institution have a Ma | nagement Information System (MIS)? |
| | YES |
| Development and D | Deployment |
| nprovement strategie | s adopted by the institution for each of the following (with in 100 |
| I | i. Efforts have been taken to develop new curriculum for Regulation 2019 by giving special importance for Artificial Intelligence, basic courses and science courses. ii. The entire curriculum for Regulation 2019 has been planned |
| | with comprising 65% of theory courses and 35% of the practical courses. |
| g and Learning | i. Product development laboratories are introduced in every department. |
| 2 | and Learning |

| <u> </u> | | :: | Live domes and animations are instuded in teaching are |
|----------|----------------------------|-----------|---|
| | | ii. | Live demos and animations are included in teaching process. |
| | | iii. | Google class room teaching has been insisted to adapt for all the |
| | | | courses. |
| | | iv. | Online courses like NPTEL, Coursera etc., are insisted to do by |
| | | | all the faculty members every year. |
| | Examination and Evaluation | i. | Evaluation of marks encompasses internal marks through |
| | | | continuous assessment and external marks scored in End |
| | | | Semester Examination. |
| | | ii. | Automation of the examination cell to ensure timely declaration |
| | | | of results to keep the academic calendar on schedule. |
| | | iii. | Dummy number system has been followed in Semester exam |
| | | | valuation to keep the honesty in valuation. |
| | Research and Development | i. | Every program has separate research centre approved by Anna |
| | | | University except Civil Engineering. |
| | | ii. | Incentives for research publications and research projects are |
| | | | provided |
| | | iii. | To promote R & D activities, progress review is conducted for |
| | | | faculty members having Ph.D degree and research scholars |
| | Library, ICT and Physical | i. | In the academic year 2017-18, Central library is added with |
| | Infrastructure / | | a. 1703 books are newly added that worth Rs. 8,21,677/ |
| | Instrumentation | | b. 125 Journals subscriptions that worth Rs. 3,73,473/- |
| | | | c. E-Journals to the worth of Rs. 14,79,898/- |
| | | ii. | Every department has individual smart class room that worth Rs. |
| | | | 2 Lakh |
| | | iii. | Books exhibition is arranged every year thro' vendors at campus |
| | | | to identify the quality books |
| | | iv. | Special books have been exclusively purchased for |
| | | | Entrepreneurship Development of worth nearer to Rs. 1 lakh. |
| | | v. | Central library and department libraries are equipped with Air- |
| | | | conditioner |
| | | vi. | Every department has individual air-conditioned seminar hall |
| | | | with LCD projector, smart TV and computer system with |
| | | | internet connection. |
| | Human Resource | i. | Recruitment of faculty and staff are based on the guidelines |
| | Management | | provided by Anna University and AICTE, New Delhi. |
| | | ii. | There are many staff welfare schemes namely EPF, Group |
| | | | insurance and Accidental policy |
| | | iii. | Sponsorship of Higher Studies for Faculties |
| | | iv. | Organizing Developmental training programme and |
| | | 1 | |
| | | | workshops/seminars for enhancing the multi-skills of faculties. |
| | | v. | workshops/seminars for enhancing the multi-skills of faculties. Effective appraisal system has been followed to assess the |
| | | v. | |
| | | v. vi. | Effective appraisal system has been followed to assess the |
| | | | Effective appraisal system has been followed to assess the performance of faculties. |

| | Industry Intera | action / | The Institute has collabo | ration with the following indu | stries of repute |
|-------|--------------------------------|---|--|---|------------------------------|
| | Collaboration | | at both national and Inter | • | |
| | | | Apex Design Co | entre, Coimbatore æms, Bangalore. | |
| | | | • | are Private Limited, Madurai | |
| | Admission of | Students | The students are admitte | ed according to the Anna Univ | versity / Tamil |
| | | | Nadu Government/ AIC | - | 2 |
| 6.2.2 | Implementation | of e-governance | in areas of operations | | |
| | Planning and | Development | HR ManagOnline fact | ement lty recruitment process | |
| | Administrati | on | Hostel MarPerformanceEnquiries | Management nagement ce reports, Access reports, onli re apply and approval | ne Entries and |
| | Finance and | Accounts | Finance Ma | | |
| | Student Adn | nission and Support | Central Lib Student Ma Automatic | orary Management anagement SMS for absentee, e-circular n | otifications |
| | | | | portal for staff and students | |
| | Examination | 1 | COE Admi | | |
| 6.3 | Faculty Empor | werment Strategi | Certificate es | Issue | |
| 6.3.1 | Teachers provi | ided with financ | ial support to atten | d conferences / worksho | ns and towards |
| 0.011 | | | odies during the year | | |
| | Year | Name of teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support Rs.) |
| | 05.02.2018 to 09.02.2018 | Dr.D.Ravindran, F.Michael Thomas rex and P.Harihara sakthi sudhan | Innovative Digital tools enabled product design | GIAN Course, IIT, Madras | 18335 |
| | 19.02.2018 to 24.02.2018 | Dr.D.Venkat kumar, Dr.M.Kathiresan, Dr.R.Hari chandran | Smart Manufacturing | GIAN Course, NIT, Jalandhar | 7270 |
| | 12.03.2018 to 17.03.2018 | Dr.H.Kanagasaba pathy | FDP | GIAN course, Allahabad | 14547 |
| | 26.12.2017 to 02.01.2018 | Mr.K.J.Prasanna Venkatesan | Vogue Technologies On 5g And 5g+ Communication And Vehicular Technology | GIAN Workshop NIT, Trichy | |

| I | | | | | |
|---------|------|-----------------------------|-------------------------------------|-----------------------------|--------|
| 26.03.2 | 2018 | | Five days GIAN course | | |
| to | 2010 | $I Ir \Delta Nhenhadayalli$ | on "Advanced Pattern | GIAN Course MNIT, Jaipur | 16050 |
| 30.03.2 | 2018 | | Recognition | | 10000 |
| | | | Techniques" | | |
| 25.12.2 | 2017 | Mc N K arthika | Advances In Cmos | GIAN COURSE | |
| to | 017 | | Clock Generation | NIT, WARANGAL | |
| 29.12.2 | 2017 | | Circuits | | |
| 05.03.2 | 2018 | | Programming GPUs & | CLAN | |
| to | | Dr V (tomathi | Accelerators: A | GIAN course | 16901 |
| 09.03.2 | 2018 | | Principled Quantitative | IIT Hyderabad, Telangana | |
| | | | Approach Algorithmic | | |
| 10.12.2 | 0017 | | Foundations of | GIAN course | |
| to | 2017 | | Wireless | Department of MACS and | 18432 |
| 14.12.2 | 2017 | 1 10011011 00 | Sensor Networks with | Department of | 10452 |
| 17.12.2 | 2017 | - | Applications | CSE, NIT, Surathkal. | |
| | | | Five Days GIAN | | |
| 26.03.2 | 2018 | Ms.M.Bnuvaneswari, | Course on | National Institute of | |
| to | 010 | IVIS. V.J youini | "Introduction to | Technology Karnataka, | 22095 |
| 30.03.2 | 2018 | Bindhu & | Software defined | Surathkal | |
| | | IVIS IVI TAVATAKSOODI | networks" | | |
| | | | Five days GIAN | | |
| 05.03.2 | 2018 | Ms.R.Rajakumari | Course on "Advanced | | |
| to | | & | Pattern Recognition | IIT, Indore, MP | 30690 |
| 09.03.2 | 2018 | Ms.G.R.Hemalakshmi | | | |
| | | | Biometrics" | | |
| 26.03.2 | 2018 | | Five days GIAN course | Malaviya National Institute | |
| to | 2010 | Mc V Vimala | on "Advanced Pattern | of Technology Jaipur, | 16050 |
| 30.03.2 | 2018 | | Recognition | Department of CSE | 10020 |
| | | | Techniques" | * | |
| 26.03.2 | 2018 | | Five days GIAN course | Malaviya National Institute | |
| to | | | on "Advanced Pattern | of Technology Jaipur, | 16050 |
| 30.03.2 | 2018 | | Recognition | Department of CSE | |
| 16.11.2 | 0017 | | Techniques" Remote Sensing Image | | |
| to | 2017 | | 000 | GIAN Course NIT, Surathkal | 9120 |
| 20.11.2 | 2017 | | Analysis | OFAN COUISE INT, Suralikar | 9120 |
| 29.01.2 | | | "Model Predictive | | |
| to | 2010 | Mr. R.Muniraj & | Control: Theory and | GIAN course IIT, Madras | _ |
| 02.02.2 | 2018 | | Applications" | Giral course in , madras | |
| | | | Multi-phase drive and | | |
| 12.02.2 | 2018 | | generation systems for | | 10.425 |
| to | 010 | | advanced industrial | GIAN course VNIT, Nagpur | 12435 |
| 16.02.2 | 2018 | | applications | | |
| 05.02.2 | 2018 | | Innovative Digital | | |
| to | | | Tools Enabled Product | GIAN Course IIT Madras | 10000 |
| 09.02.2 | 2018 | | Design | | |
| 26.03.2 | | | Advanced Pattern | | |
| to | | Dr.D.Manimegalai | | Gian Course MNIT Jaipur | 16050 |
| 30.03.2 | | | Techniques | | |
| 08.01.2 | 2018 | | Fundamentals of | | |
| to | | | Optical Wireless | GIAN course NIT, Nagpur | 14200 |
| 12.01.2 | | | Communications | | |
| 16.11.2 | | | Remote Sensing Image | | |
| to | | | Processing and | GIAN Course NIT, Surathkal | 9120 |
| 20.11.2 | 2017 | | Analysis | | |

| | 08.01.2018 to 12.01.2018 | Dr. S.Thalam | Gian Programme Inorganic Chemistry of imaging: Magnetic resonance and optical imaging coordination complex | f Discipline of Ch Indian Institu Technology, I | ite of | 5810 |
|-------|--------------------------------|--------------------|---|---|--|-----------|
| | | | | TOTAL A | AMOUNT 2, | 53,155.00 |
| 6.3.2 | | | elopment / administrative t n teaching staff during the | | | - |
| | Dates | Programme | Title | Experts | Participants | Nos. |
| | 22.05.2017 | Training | Instructional Design and | NITTTRC, | APs less than | 75 |
| | to 26.05.2017 | programs | Delivery Systems | Taramani. | five years of experience | |
| | 23.05.2017 | Workshop | Defining short term | FDS_NEC | HODs and | 62 |
| | to | 1 | Goals for departments, | - | Senior faculties | |
| | 25.05.2017 | | set targets for next academic year and planning strategy to achieve the targets and goals | | of all the departments | |
| | 26.05.2017 | Meeting | Augmenting Engineering Education in the region | PALS, PAN IIT Alumni Leadership Series, Chennai | All HODs and Deans | 10 |
| | 27.05.2017 | Training | Technology Enabled | NITTTRC, | Senior faculties | 91 |
| | to 29.05.2017 | program | Learning | Taramani. | except HODs | |
| | 28.05.2017 | Training | Technology Enabled | NITTTRC, | APs less than | 103 |
| | to 30.05.2017 | program | Learning | Taramani. | five years of experience | |
| | 01.06.2017 | Workshop | OBE and its implementation in NEC – A review and resetting the process | FDS_NEC | 50% of the staff members except (2) | 73 |
| | 02.06.2017 | Workshop | OBE and its implementation in NEC – A review and resetting the process | FDS_NEC | Remaining 50% of the staff members except (2) | 75 |
| | 03.06.2017 | Process | NEC Benchmark | FDS_NEC | - | - |
| | 16.06.2017 | Discussion | Strategic planning to achieve the short term goals of all departments | FDS_NEC | HODs | 8 |
| | 17.06.2017 | Workshop | Technical demo session for new toolboxes of MATLAB | Enthu Technology Solutions India Pvt Ltd, Coimbatore | Staff from EEE, ECE, E&I, Mech, CSE, IT, Maths &Physics | 30 |
| | 27.06.2017 | Process | Submission – NEC Benchmark Consolidated Report | FDS_NEC | - | - |
| | 07.07.2017 | Data Collection | List of experts from IITs, NITs or any other reputed institutions | FDS_NEC | - | - |
| | 19.08.2017 | Workshop | Blooms taxonomy for teaching learning process | FDS_NEC | Assistant professors | 127 |

| | 24.08 | 3.2017 | Process | Submission of Appra | aisal | FDS_NEC | - | - |
|-------|--|--|---|--|--------------|--|---|--|
| | 14 09 | .2017 | Review | Forms – Version I Mid semester | | FDS_NEC | Assistant | 127 |
| | | 0 | 10000 | competency | | 125_1120 | professors | 127 |
| | 25.09 | | | | | | _ | |
| | 28.09 | .2017 | Review Meeting | Technology enabled teaching-learning process | | FDS_NEC | AP(SG) Asso. Profs. | 64 |
| | 26.10 | 0.2017 | Workshop | Application of Bloor taxonomy for TLP | n's | Dr.S.Baskar TCE, Madurai | Senior faculty members | 40 |
| | 11.11 | .2017 | Workshop | Application of Bloor taxonomy for TLP | n's | Dr.S.Baskar TCE, Madurai | AP(SG) Asso. Profs. | 64 |
| | 18.11 | .2017 | Workshop | Application of Bloor taxonomy for TLP | n's | Dr.S.J.Thiruveng dam TCE, Madurai | a Assistant professors | 127 |
| | te | 0.2017 0.2017 | In house Training Programme | Leadership Qualities Enhancement and Management | , | Mr.Natesan, Consultant, Lead Training | Senior faculty members | 41 |
| | | | | Development programme | | Solutions, Chennai | | |
| | | | | itude, skills and knowl | 5480 | · · · · · · · · · · · · · · · · · · · | | |
| 6.3.3 | | | | ofessional developme m Course, Faculty D | - | - | | |
| 6.3.3 | Refreshe | er Cour | se, Short Terr | m Course, Faculty D | evelo | pment Programn | nes during the year | |
| 6.3.3 | Refreshe | er Cour | e of the profess | m Course, Faculty De | evelo Nun | nber of teachers | nes during the year Date and Durati | |
| 6.3.3 | Refreshe S. No. | er Cour Title | e of the profess progra | m Course, Faculty De ional development amme | evelo Nun | pment Programm nber of teachers who attended | nes during the year Date and Durati (from – to) | on |
| 6.3.3 | Refreshe S. No. 1. | er Cour Title FDP or | e of the profess | m Course, Faculty D ional development amme sed Teaching | evelo Nun | nber of teachers | nes during the year Date and Durati | on |
| 6.3.3 | Refreshe S. No. | FDP or FDP or Learnin | e of the profess progra n Outcome Bas ng at IIT, Madu n Empowering | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life | evelo Nun | pment Programm nber of teachers who attended | nes during the year Date and Durati (from – to) | on 1.2017 |
| 6.3.3 | S. No. 1. 2. 3. 3. | FDP or FDP or Learnin FDP or Skills I FDP or | e of the profess progra n Outcome Bas ng at IIT, Madu n Empowering Education at Na n Stability Desi | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life IT, Trichy ign of Steel | evelo Nun | nber of teachers who attended 4 | Date and Durati (from – to) 01.11.2017 to 03.1 | on 1.2017 1.2017 |
| 6.3.3 | S. No. 1. 2. 3. 3. | FDP or FDP or Learnin FDP or Skills I FDP or Buildir | e of the profess progra n Outcome Bas ng at IIT, Madu n Empowering Education at N n Stability Desi ngs at IIT Madu | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life IT, Trichy ign of Steel ras | evelo Nun | nber of teachers who attended 4 1 3 | nes during the year Date and Durati (from – to) 01.11.2017 to 03.1 06.11.2017 to 10.1 | on 1.2017 1.2017 1.2017 |
| 6.3.3 | S. No. 1. 2. 3. 4. 5. 5. | FDP or FDP or Learnin FDP or Skills I FDP or Buildin FDP or FDP or | e of the profess progra n Outcome Bas ng at IIT, Madu n Empowering Education at N n Stability Dest ngs at IIT Madu n Entrepreneur n Data Science | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life IT, Trichy ign of Steel ras ship at NEC Research And Big | evelo Nun | nber of teachers who attended 4 | nes during the year Date and Durati (from – to) 01.11.2017 to 03.1 06.11.2017 to 10.1 | on 1.2017 1.2017 1.2017 2.2017 |
| 6.3.3 | S. No. 1. 2. 3. 4. 5. 5. | FDP or FDP or Learnin FDP or Skills I FDP or Buildin FDP or FDP or Data A | e of the profess progra n Outcome Bas ng at IIT, Madu n Empowering Education at N n Stability Desi ngs at IIT Madu n Entrepreneur n Data Science nalysis at NEC | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life IT, Trichy ign of Steel ras ship at NEC Research And Big | evelo Nun | nber of teachers who attended 4 1 3 7 2 | nes during the year Date and Durati (from – to) 01.11.2017 to 03.1 06.11.2017 to 10.1 06.11.2017 to 10.1 04.12.2017 to 16.12 11.12.2017 to 23.12 | on 1.2017 1.2017 1.2017 2.2017 2.2017 |
| 6.3.3 | S. No. 1. 2. 3. 4. 5. 6. | FDP or Learnin FDP or Skills I FDP or Buildir FDP or Data A FDP or on "No | e of the profess progra n Outcome Bas ng at IIT, Madu n Empowering Education at N n Stability Dest ngs at IIT Madu n Entrepreneur n Data Science nalysis at NEC n Quality Impro- | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life IT, Trichy ign of Steel ras ship at NEC Research And Big | evelo Nun | nber of teachers who attended 4 1 3 7 | nes during the year Date and Durati (from – to) 01.11.2017 to 03.1 06.11.2017 to 10.1 06.11.2017 to 10.1 | on 1.2017 1.2017 1.2017 2.2017 2.2017 |
| 6.3.3 | S. No. 1. 2. 3. 4. 5. 6. | FDP or FDP or Skills I FDP or Buildir FDP or Data A FDP or On "No IISC, F FDP or on " Learnin | rse, Short Terr of the profess progra a Outcome Bas ng at IIT, Madu a Empowering Education at N a Stability Dest ngs at IIT Madu a Entrepreneur a Data Science nalysis at NEC a Quality Impro- onlinear Adapti Bangalore n Quality impr Technology ng Process" co | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life IT, Trichy ign of Steel ras ship at NEC Research And Big Covement Programme | evelo Nun | nber of teachers who attended 4 1 3 7 2 | nes during the year Date and Durati (from – to) 01.11.2017 to 03.1 06.11.2017 to 10.1 06.11.2017 to 10.1 04.12.2017 to 16.12 11.12.2017 to 23.12 | on 1.2017 1.2017 1.2017 2.2017 2.2017 5.2017 |
| 6.3.3 | S. No. 1. 2. 3. 4. 5. 6. 7. 7. | FDP or Learnin FDP or Skills I FDP or Buildir FDP or Data A FDP or On "No IISC, E FDP or on " Learnin Chenna | e of the profess progra n Outcome Bas ng at IIT, Madu n Empowering Education at N n Stability Dest ngs at IIT Madu n Entrepreneur n Data Science nalysis at NEC n Quality Impro- polinear Adapti Bangalore n Quality impro- Technology ng Process" co- ai at NEC | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life IT, Trichy ign of Steel ras ship at NEC Research And Big C ovement Programme ive Control Design", ovement Programme Enabled Teaching | evelo Nun | nber of teachers who attended 4 1 3 7 2 1 | Date and Durati (from – to) 01.11.2017 to 03.11 06.11.2017 to 10.11 06.11.2017 to 10.11 04.12.2017 to 16.12 11.12.2017 to 23.12 | on 1.2017 1.2017 1.2017 2.2017 2.2017 5.2017 5.2017 |
| 6.3.3 | S. No. 1. 2. 3. 4. 5. 6. 7. 8. | FDP or FDP or Skills I FDP or Buildir FDP or Data A FDP or On "No IISC, E FDP or on " Learnin Chenna FDP or on " | e of the profess progra a Outcome Bas ing at IIT, Madu a Empowering Education at N a Stability Desi ings at IIT Madu a Entrepreneur a Data Science in Quality Impro- pollinear Adapti Bangalore in Quality impro- Technology ing Process" co- ai at NEC in "Energy and lologies" at TC | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life IT, Trichy ign of Steel ras ship at NEC Research And Big C ovement Programme ive Control Design", rovement Programme Enabled Teaching nducted by NITTTR, power quality audit CE, Madurai | evelo Nun | nber of teachers who attended 4 1 3 7 2 1 9 9 | Date and Durati (from - to) 01.11.2017 to 03.1 06.11.2017 to 10.1 06.11.2017 to 10.1 04.12.2017 to 10.1 11.12.2017 to 23.1 12.06.2017 to 16.0 27.05.2017 to 29.0 27.11.2017 to 10.1 | on 1.2017 1.2017 1.2017 2.2017 5.2017 5.2017 2.2017 2.2017 |
| 6.3.3 | S. No. 1. 2. 3. 4. 5. 6. 7. 8. 9. 9. | FDP or FDP or Skills I FDP or Buildin FDP or Data A FDP or On "No IISC, F FDP or On " Learnin Chenna FDP or on " Learnin Chenna FDP or on " Chenna FDP or on " Chenna | e of the profess progra a Outcome Bas ing at IIT, Madu a Empowering Education at N a Stability Dest ings at IIT Madu a Entrepreneur a Data Science inalysis at NEC a Quality Impro- pollinear Adapti Bangalore in Quality impro- Technology ing Process" co- ai at NEC a "Energy and clologies" at TC a "Recent trend a Voltage Engi | m Course, Faculty De ional development amme sed Teaching ras Teachers in Life IT, Trichy ign of Steel ras ship at NEC Research And Big C ovement Programme ive Control Design", ovement Programme Enabled Teaching nducted by NITTTR, power quality audit | evelo Nun | nber of teachers who attended 4 1 3 7 2 1 9 | Date and Durati (from - to) 01.11.2017 to 03.11 06.11.2017 to 10.11 06.11.2017 to 10.11 04.12.2017 to 16.12 11.12.2017 to 23.12 12.06.2017 to 16.00 27.05.2017 to 29.03 | on 1.2017 1.2017 1.2017 2.2017 2.2017 5.2017 5.2017 2.2017 1.2017 |

| | 11. | 0 0 | cessing and applications | 1 | 04.09.20 | 017 to 08.09.2017 | |
|-------|------------|--|---|---|---|-----------------------|--|
| | | · · | ed) at IISC, Bangalore | | | | |
| | 12. | | sed sensors: Fabrication | 3 | 12.02.20 | 018 to 16.02.2018 | |
| | | | on at IISC, Bangalore | | | | |
| | 13. | HDL for Signal, I | • | 1 | 21.08.20 | 017 to 26.08.2017 | |
| | | Processing (HSIV | | | | | |
| | | Sponsored) at IIT | | | | | |
| | 14. | FDP on Environm | ^ | 1 | 27.11.20 | 017 to 01.12.2017 | |
| | | Assessment at NI | | | | | |
| | 15. | STTP on Geo Syr | | 3 | 05.02.20 | 018 to 10.02.2018 | |
| | | Construction Mat | erials at IIT Madras | | | | |
| | 16. | FDP course on Ad | dvanced Pattern | 1 | 13.06.2017 to 17.06.2017 | | |
| | | Reorganization Te | echniques at NEC | | | | |
| | 17. | - | d- FDP on Data Science | 5 | 11.12.2017 to 23.12.2017 | | |
| | | Research And Big | g Data Analytics at NEC | | | | |
| | 18. | FDP on "Foundat | ion Program 4.1 at SIT, | 3 | 06 11 20 | 017 to 10.11.2017 | |
| | | Kariapatti | | | 00.11.20 | /1/ 10/10.11.2017 | |
| | 19. | FDP on Deep lea | rning – Academic and | 3 | | | |
| | | Research perspect | tives at PSG Tech, | | 24.01.20 | 017 to 25.01.2017 | |
| | Coimbatore | | | | | | |
| | 20. | FDP on research l | based statistical, | 1 | | | |
| | | analytical and dat | a modeling tools at | | 26.04.20 | 018 to 28.04.2018 | |
| | | TCE, Madurai | | | | | |
| 6.3.4 | Faculty | and Staff recruitr | nent (no. for permanent i | recruitment): | | | |
| | | | | | | | |
| | | Teac | hing | | Non-teachin | ng | |
| | | Teac Permanent | hing Fulltime | Permanent | Non-teachin | ng Fulltime | |
| | | Permanent | Fulltime | Permanent | Non-teachin | Fulltime | |
| | | | | | Non-teachin | • | |
| 635 | Walford | Permanent 34 | Fulltime | Permanent | Non-teachin | Fulltime | |
| 6.3.5 | Welfar | Permanent | Fulltime | Permanent | Non-teachin | Fulltime | |
| 6.3.5 | Welfar | Permanent 34 e schemes for | Fulltime 34 | Permanent 20 | Non-teachin | Fulltime | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching | Fulltime 34 • Transport facili | Permanent 20 | Non-teachin | Fulltime | |
| 6.3.5 | Welfar | Permanent 34 e schemes for | Fulltime 34 • Transport facili • Staff Quarters | Permanent 20 ties | Non-teachin | Fulltime | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching | Fulltime 34 • Transport facili • Staff Quarters • Medical and Ma | Permanent 20 ties | Non-teachin | Fulltime | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching | Fulltime 34 • Transport facili • Staff Quarters • Medical and Ma • EPF | Permanent 20 ties aternity Leave | Non-teachin | Fulltime | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching | Fulltime 34 • Transport facili • Staff Quarters • Medical and Ma • EPF • Mediclaim polici | Permanent 20 ties aternity Leave | Non-teachin | Fulltime | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching Non teaching | Fulltime 34 • Transport facilit • Staff Quarters • Medical and Ma • EPF • Mediclaim polit • Group gratuity | Permanent 20 ties aternity Leave cy & | | Fulltime | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching | Fulltime 34 • Transport facili • Staff Quarters • Medical and Ma • EPF • Mediclaim polic • Group gratuity • Scholarships lik | Permanent 20 ties aternity Leave cy & cy & | uate etc., | Fulltime 20 | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching Non teaching | Fulltime 34 • Transport facili • Staff Quarters • Medical and Ma • EPF • Mediclaim polic • Group gratuity • Scholarships lik • Medical Insurar | Permanent 20 ties aternity Leave cy & ce SC/ST, first gradu ace Policy for studen | uate etc., nts and paren | Fulltime 20 ts. | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching Non teaching | Fulltime 34 • Transport facili • Staff Quarters • Medical and Ma • EPF • Mediclaim polic • Group gratuity • Scholarships lik • Medical Insurar • Prof.S.Kannapp | Permanent 20 ties aternity Leave cy & ce SC/ST, first gradu ace Policy for studen oan Memorial Schola | uate etc., nts and paren | Fulltime 20 ts. | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching Non teaching | Fulltime 34 • Transport facili • Staff Quarters • Medical and Ma • EPF • Mediclaim polic • Group gratuity • Scholarships lik • Medical Insurar • Prof.S.Kannapp • excellent and po | Permanent 20 ties aternity Leave cy & te SC/ST, first gradu nce Policy for studen oan Memorial Schola por student. | uate etc., nts and paren arship for aca | Fulltime 20 ts. | |
| 6.3.5 | Welfar | Permanent 34 e schemes for Teaching Non teaching | Fulltime 34 • Transport facili • Staff Quarters • Medical and Ma • EPF • Mediclaim polic • Group gratuity • Scholarships lik • Medical Insurar • Prof.S.Kannapp • excellent and po | Permanent 20 ties aternity Leave cy & ce SC/ST, first gradu- nce Policy for studen oan Memorial Schola por student. ship for poor studen | uate etc., nts and paren arship for aca | Fulltime 20 ts. | |

| 6.4 | Financial Management and Resource Mobilization | | | | | | | | | |
|-------|--|---------------------|-----------------|----------------|---------|-------------|--|--------|--|--|
| 6.4.1 | Institution c | conducts internal | and external | financial au | dits re | egularly (v | within 100 words eac | ch) | | |
| | A financial committee has been constituted once in two years to allocate funds for various activities and it was placed before the Governing council for getting approval. At the end of | | | | | | | | | |
| | | - | | - | | - | | | | |
| | the finance | cial year, the ove | erall account o | details are at | laitea | by a char | ted audited accounta | nt. | | |
| 6.4.2 | Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year (not covered in Criterion III) | | | | | | | | | |
| | Name | of the non govern | | Funds / G | rants | | Purpose | | | |
| | | agencies / indiv | | received in | | G(1 | - | 1 | | |
| | | Alumni Fur | Id | 2,36 | ,000 | | ents' best Project award tudents' Scholarship | a, | | |
| | Prof. Kannappan Memorial Award | | | 1,35 | ,000 | Acecon | ademically strong and omically poor students holarship for 3 years | , | | |
| | | Research fu | nd | 20,00 | ,000 | | otted from the institution research | on for | | |
| 6.4.3 | Total corpu | s fund generated | | | | | | | | |
| 6.5 | Internal Q | uality Assuranc | e System | | | | | | | |
| 6.5.1 | Whether Ac | cademic and Adr | ninistrative A | udit (AAA) | has b | een done' | 2 | | | |
| | | Audit Type | Exte | rnal | | iternal | | | | |
| | | Audit Type | Yes / No | Agency Ye | | es / No | Authority | | | |
| | | Academic | No | | | Yes | Faculty Development Section | | | |
| | | Administrative | yes | | | No | | | | |
| 6.5.2 | Activities and support from the Parent – Teacher Association (at least three) | | | | | | | | | |
| | General Body Meeting of Parent Teachers Association was held on 23.07.17 at 11.30 am General Body Meeting of Parent Teachers Association was held on 18.02.18 at 11.30 am Executive committee members meetings was held on 23.07.17 & 18.02.08 at 10 am Parents are informed about CBCS, OBE, Gate coaching and Aptitude training etc., | | | | | | | | | |
| 6.5.3 | Development programmes for support staff | | | | | | | | | |
| | ■ "Re | e-Engineering of | attitude, skill | ls and know | ledge' | ' : HR Tra | ining – 23.09.2017 | | | |
| 6.5.4 | Post Accre | editation initiativ | e(s) (mention | at least three | ee) | | | | | |
| | Procedure for Credit Transfer is defined Student Leadership development programme is organized to enhance the employment skills Procedure has been defined to identify slow learners Entrepreneurship activities are motivated for self employment. | | | | | | | | | |

| 6.5.5 | a. Submission of Data for AISHE portal | : No | | | | | | | |
|-----------------------|---|---|--|--|--|--|--|--|--|
| | b. Participation in NIRF : Yes | | | | | | | | |
| | c. ISO Certification | : No | | | | | | | |
| | d. NBA or any other quality audit | : Yes | | | | | | | |
| 6.5.6 | Number of Quality Initiatives undertaken during the year | | | | | | | | |
| | Name of quality initiative by IQAC | Date of conducting activity | Number of participants | | | | | | |
| | 12 th IQAC Meeting | 15.07.2017 | 24 | | | | | | |
| | 13 th IQAC Meeting | 20.01.2018 | 25 | | | | | | |
| | Academic Administrative Audit (AAA) | 07.06.2017-16.06.2017 03.03.2018-13.03.2018 | 207 207 | | | | | | |
| | Participation in NIRF | 17.01.2018 | | | | | | | |
| | NBA visit | 08.12.2017 | ECE | | | | | | |
| | | 25.03.2017 | CSE,EEE | | | | | | |
| | Academic Quality Audit | 19.08.2017 | Mech, ECE, EEE, EIE, CSE, IT & Civil | | | | | | |
| | | 26.08.2017 | S&H | | | | | | |
| | Assurance Report (AQAR) to NAAC; Fee for improvements Academic Administrative Audit (AAA) co Participation in NIRF | edback from all stakeholders | · | | | | | | |
| | for improvementsAcademic Administrative Audit (AAA) co | edback from all stakeholders | collected, analysed and used | | | | | | |
| | for improvements • Academic Administrative Audit (AAA) co • Participation in NIRF • NBA. • Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU | edback from all stakeholders nducted and its follow up act | collected, analysed and used tion | | | | | | |
| 7.1 | for improvements Academic Administrative Audit (AAA) co Participation in NIRF NBA. Academic Quality Audit, etc | edback from all stakeholders nducted and its follow up act | collected, analysed and used tion | | | | | | |
| | for improvements • Academic Administrative Audit (AAA) co • Participation in NIRF • NBA. • Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU | edback from all stakeholders nducted and its follow up act UES AND BEST PRAC a bilities | collected, analysed and used tion CTICES | | | | | | |
| 7.1 | for improvements Academic Administrative Audit (AAA) co Participation in NIRF NBA. Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU Institutional Values and Social Response Gender Equity (Number of gender equity processed) | edback from all stakeholders nducted and its follow up act UES AND BEST PRAC ibilities romotion programmes organ | collected, analysed and used tion CTICES | | | | | | |
| 7.1 | for improvements Academic Administrative Audit (AAA) co Participation in NIRF NBA. Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU Institutional Values and Social Response Gender Equity (Number of gender equity prithe year) | edback from all stakeholders nducted and its follow up act UES AND BEST PRAC ibilities romotion programmes organ | collected, analysed and used tion CTICES nized by the institution during | | | | | | |
| 7.1 | for improvements Academic Administrative Audit (AAA) co Participation in NIRF NBA. Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU Institutional Values and Social Response Gender Equity (Number of gender equity prithe year) | back from all stakeholders nducted and its follow up act UES AND BEST PRAC (bilities romotion programmes organ to) | collected, analysed and used tion CTICES nized by the institution during Participants | | | | | | |
| 7.1 | for improvements Academic Administrative Audit (AAA) co Participation in NIRF NBA. Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU Institutional Values and Social Response Gender Equity (Number of gender equity provide the year) Title of the programme Period (from- Environmental Consciousness and Sustainal power requirement of the College met by the | back from all stakeholders nducted and its follow up act DES AND BEST PRAC bilities comotion programmes organ to) to) Female | collected, analysed and used tion CTICES Participants Participants Male atives such as: Percentage of : | | | | | | |
| 7.1 | for improvements Academic Administrative Audit (AAA) co Participation in NIRF NBA. Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU Institutional Values and Social Response Gender Equity (Number of gender equity pr the year) Title of the programme Period (from- Environmental Consciousness and Sustainal | back from all stakeholders nducted and its follow up act DES AND BEST PRAC bilities comotion programmes organ to) to) Female | collected, analysed and used tion CTICES Participants Participants Male atives such as: Percentage of : | | | | | | |
| 7.1 | for improvements Academic Administrative Audit (AAA) co Participation in NIRF NBA. Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU Institutional Values and Social Response Gender Equity (Number of gender equity provide the year) Title of the programme Period (from- Environmental Consciousness and Sustainal power requirement of the College met by the | back from all stakeholders nducted and its follow up act UES AND BEST PRAC bilities comotion programmes organ to) Female vility/Alternate Energy initia e renewable energy sources on through Solar Energy | collected, analysed and used tion CTICES Participants Participants Male atives such as: Percentage of : | | | | | | |
| 7.1 7.1.1 7.1.2 | for improvements Academic Administrative Audit (AAA) co Participation in NIRF NBA. Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU Institutional Values and Social Response Gender Equity (Number of gender equity pressure) Title of the programme Period (from- Environmental Consciousness and Sustainals power requirement of the College met by the About 5% of power utilization | back from all stakeholders nducted and its follow up act UES AND BEST PRAC bilities comotion programmes organ to) Female vility/Alternate Energy initia e renewable energy sources on through Solar Energy | collected, analysed and used tion CTICES Participants Participants Male atives such as: Percentage of : | | | | | | |
| 7.1 7.1.1 7.1.2 | for improvements Academic Administrative Audit (AAA) co Participation in NIRF NBA. Academic Quality Audit, etc ERION VII - INSTITUTIONAL VALU Institutional Values and Social Response Gender Equity (Number of gender equity pressure) Title of the programme Period (from- Environmental Consciousness and Sustainals power requirement of the College met by the About 5% of power utilization Differently abled (Divyangjan) friendlines | back from all stakeholders nducted and its follow up act DES AND BEST PRAC bilities comotion programmes organ to) to) Female bility/Alternate Energy initia e renewable energy sources on through Solar Energy s | collected, analysed and used tion CTICES Participants Participants Alle atives such as: Percentage of | | | | | | |

| | Ramp/ Rails | | | | Yes | | | | | | | |
|-------|---|---------|---|-----------------------------------|--|---|---|---------------------|----------|--|---|--|
| | Braille Software/facilities | | | | Yes (Under development) | | | | | | | |
| | Rest Rooms | | | | No | | | | | | | |
| | Soribos for avamination | | | | Yes (Provision is available) | | | | | | | |
| | Scribes for examination | | | | 165 | (FI | | anable) | | | | |
| | Special skill development for differently abled students | | | | | | No | | | | | |
| | Any ot | her sim | ilar facility | | | | No | | | | | |
| 7.1.4 | Inclusion a | | | | | | | | | | | |
| | Enlist mos the year | st impo | rtant initiati | ives ta | aken to | ado | dress locatio | onal advan | tages | and disadvanta | ges during | |
| | Year address location disadvantages a | | iatives to is locational intages and | init ta enga and c to | Number of initiatives taken to engage with and contribute to local community | | Date and duration of the initiative | Name of initiati | | Issues addressed | Number of participating students and staff | |
| | 2017-18 | | 1 | | 1 | | January to April 2018 | Busine Incubator | | For Economic Development | 10 | |
| | 2017-18 | | 1 | | 1 | | May-June 2018 | Live-In | lab | For the welfare of rural people (for village adoption scheme) | 25 | |
| | 2017-18 | | 1 | | 1 | | June'17 – April'18 | NewG IEDO | | For development of products | 40 | |
| 7.1.5 | Human Values and Professional E Code of conduct (handbooks) for Title Date of Publication NEC Bulletin 05.06.2017 | | on Follow up (maxin Students are generally follow and if any misconduct, studen | | | imum 100 words each) wing the code of conduct correctly ents are advised through the mentor. e committee do the enquiry and en. | | | | | | |
| 7.1.6 | Activities conducted for promotion of universal Values and Ethics | | | | | | | | | | | |
| | Activity - | | | | Duration (fromto) Number of participants | | | | | icipants | | |
| 7.1.7 | Initiatives | taken l | by the instit | ution | to mak | e th | he campus e | co-friendl | y (at le | east five) | | |
| | Campus landscape has been carried out for the worth of Rs. 60 lakhs. Awareness on "SAVE ECO-SYSTEM" was street played on 27th of July 2017. An awareness program on water conservation in men's hostel-2 was conducted volunteers on 3rd January of 2018. | | | | | | the eco club | | | | | |

| | An awareness program on water conservation was conducted in ladies hostel on 27th February 2018. |
|-----|--|
| | "Campus Clean Day" has been celebrated on 18th September 2017 and an awareness mime was displayed. |
| | ECO-FEST was conducted from 01st – 03rd February 2018. On February 1st a mime was displayed on the topic "save nature". On February 2nd a puppet show was displayed to create awareness on the spread of dengue. |
| 7.2 | Best Practices |
| | Implementation of Outcome Based Education and Choice Based Credit System for International recognition of students and job opportunities |
| | Implementation of Relative Grading System in End Semester examinations. |
| | Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link. |
| | Link: http://nec.edu.in/academic/UG%20R-2015%20(amended%209th%20meet).pdf |
| | The Curriculum and Syllabi under Regulations 2015 is designed keeping in mind the |
| | Outcome Based Education (OBE) and Choice Based Credit System (CBCS). The course content of each course shall be fixed in accordance with the Program Educational Objectives (PEOs), Program |
| | Outcomes (POs) and Course Outcomes (COs). The CBCS enables the students to earn credits across |
| | programmes and provides flexibility for slow and fast learners in registering the required number of credits in a semester. The CBCS facilitates transfer of credits earned in different departments / Centers |
| | of other recognized / accredited universities or institutions of higher education in India and abroad either by studying directly or by online method. |
| | In relative grading system, all assessments of a course will be done on absolute mark basis. Each |
| | student based on his/her performance will be awarded a final letter grade and grade point, based on the performance of the student relative to others who have registered for that particular course if the |
| | class strength is greater than or equal to 30. However, if the class strength is less than 30, then the |
| | grading system shown in Table-13 of clause 15.1 (ii) of Regulation 2015, will be followed. The letter grade and the grade point to each student studying theory / integrated courses (Internal and End |
| | semester examinations) are generally awarded based on the statistical parameters, Mean (μ) and |
| | Standard Deviation (σ) of the distribution of marks. |
| 7.3 | Institutional Distinctiveness |
| | Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust. Provide the weblink of the institution in not more than 500 words |
| | Product Development and Entrepreneurship is one of the distinctive characteristic programs in our |
| | Institution. As a part of vision and mission of our college to produce industry-ready students, we have |
| | introduced Product Development and Entrepreneurship activity as a part of curriculum. A systematic |

| plan ha | s been formulated for the implementation of this program. Further, to build these traits, the followin |
|-------------|--|
| courses | s have been included in the curriculum. |
| 1. P | Product Development Laboratory: This course is designed for students to identify, design and fabricat |
| а | product which is more useful to the rural society |
| 2. L | ive - in-Lab: This course is designed to support rural societies under the Scheme of swatchh Bharath |
| Т | The batch of 5 to 6 students can go to a village adopted by the Institution and stay there for few day |
| a | nd they can interact with the village people. After that they have to identify a problem and then th |
| S | plution to the problem may be given as report. Based on the nature of the work proper credit can b |
| c | laimed by the students from the institution form the Institution |
| 3. P | product Design and Development : This course is designed to inculate product development skill for |
| tł | ne students |
| 4. <i>C</i> | Critical and Creative Thinking Course: This non credit course is designed both for the students an |
| fa | aculty. This Course will provide skill and knowledge to the students and faculty to motivate them t |
| d | evelop a product. |
| Further | r, to motivate the students community, the college has taken the following initiatives: |
| 1. | Established the entrepreneurship development cell (EDC) in the Year 2013. |
| 2. | The college has been approved as Business Incubator/Host institution by MSME, New Delhi durin |
| | 2015. Through this forum, our college is currently supporting five alumni to develop five products t |
| | the worth of 29.39 Lakhs. |
| 3. | The college has been approved as NEWGEN IDEC, Supported by NSTEDB and DST, Government |
| | of India, New Delhi. Through this scheme, college can support students to develop 85 projects to the |
| | worth of Rs. 2.5 Lakhs each over a period of five years. |
| 4. | Funding of Innovative projects through Alumni association and presenting innovative project award |
| | through alumni association |
| 5. | Established CDIO laboratory to develop products |
| 6. | Steps have been taken to establish product development laboratory in each department with the |
| | support of Institution. |
| In | addition to that, the college has signed MOU with the following alumni entrepreneurs to establish |
| inc | subation centers for Product development at the campus |
| 1. | M/s Apex Design, Coimbatore |
| 2. | M/s Bizplus services, Chennai |
| 3. | M/s. River silica, Bangalore |
| 4. | M/s Sum TWO software Pvt Ltd, Madurai |
| Outco | me: |
| 1. | The institution has developed more than 10-15 products with financial support from variou |
| | Government funding Agencies |
| - | |

2. Two of our students (Mr. Veera Shanthi Ram.M Final Year EIE – Coconut Grading Machine

and Mr. Muthu Mariappan.K CSE/ Alumni-Castalk) participated in the Falling Walls Lab India 2018 on 7th April 2018 organized by Jadavpur University Kolkata and the DAAD - German Academic Exchange Service and DWIH - German House for Research and Innovation New Delhi.

3. Veera Shanthi Ram M was adjudged the winner of the Lab. He will represent India to compete with Falling Walls Lab winners from across the world at the global Lab finale that takes place in Berlin on 8th November 2018, and also got a ticket to the prestigious Falling walls conference on 9th November 2018 where leaders from science, Industry and policy -making meet. The trip to Berlin was financed by the DWIH, New Delhi.

| S. No. | Parameters | Action plan |
|--------|--|--|
| 1. | Students' performance | More than 75 % of the students should be placed with medium salar of 4 lakhs per annum More than 20 % of the students should get eligible scores in competitive examinations like GATE, Tofel, CAT, MAT, etc., More than 3 % of the students should be motivated / trained to become an entrepreneur. |
| 2. | Research & Development | Each department should have ongoing R&D projects worth > 15 lakhs. Each department should have ongoing industrial consultancy work worth Rs. 3 lakhs. Faculties should be motivated to publish the research articles in high impact factor journals. All the faculty members should be encouraged to participate / present articles in international conferences / workshops / FDPs organized by other leading institutions. Each department should organize Conference / workshops / FDP in every academic year. |
| 3. | Institute – Industry interaction | Every department should sign MoU with minimum 2 companies per year. More number of students should be encouraged to undergo in-plant training / internship program / industrial projects Every department has to develop at least one product every year. Every year, it is proposed to initiate a start up through our alumni and faculty. |

Name: Dr.K.Manisekar 4. N- 52 28/6/18 Signature of the coordinator, IQAC

Name: Dr.S.Shanmugavel

28/6/18

Signature of the chairperson, IQAC

AQAR for the Academic Year 2017-18

Page 51

Annexure I

Abbreviations:

| CAS | - | Career Advancement 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 |
