# Annual Quality Assurance Report (AQAR) for the Year 2017-18

## Submitted by

## Kalasalingam Academy of Research and Education

to

## *NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL*

December – 2018

# Kalasalingam Academy of Research and Education (KARE)

**(Deemed to be University), Krishnankoil**

## The Annual Quality Assurance Report (AQAR) of the IQAC

## Part – A

## 1. Details of the Institution

1.1 Name of the Institution

> Kalasalingam Academy of Research and Education

1.2 Address Line 1

> Anand Nagar

Address Line 2

> Krishnankoil

City/Town

> Srivilliputtur

State

> Tamilnadu

Pin Code

> 626126

Institution e-mail address

> info@kalasalingam.ac.in

Contact Nos.

> 04563-289042

Name of the Head of the Institution:

> Dr.R.Nagaraj

Tel. No. with STD Code:

> 04563-289042

Mobile:

> 9343769832

Name of the IQAC Co-ordinator:

> Dr.C.Sivapragasam

Mobile:

> 9894028635

IQAC e-mail address:

> iqac@klu.ac.in

1.3 **NAAC Track ID** (For ex. MHCOGN 18879)

TNUNGN10150

1.4 **NAAC Executive Committee No. & Date:**
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner-bottom
of your institution's Accreditation Certificate)

EC/71/A&A/7.2 dated 16-11-2015

1.5 Website address:

www.kalasalingam.ac.in

Web-link of the AQAR:

Kalasalingam.ac.in/site/wp-content/uploads/2018/12/AQAR-2017-2018.pdf

1.6 Accreditation Details

| Sl. No. | Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-------|-------|------|----------------------|-----------------|
| 1 | 1st Cycle | B | 2.81 | 2010 | 5Years |
| 2 | 2nd Cycle | A | 3.11 | 2015 | 5Years |
| 3 | 3rd Cycle | - | - | - | - |
| 4 | 4th Cycle | - | - | - | - |

1.7 Date of Establishment of IQAC:

26/06/2010

**1.8 AQAR for the year** *(for example 2010-11)*

**2017-18**

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011*)

AQAR 2015-16 submitted to NAAC on 21-12-2016
AQAR 2016-17 submitted to NAAC on 21-12-2017

1.10 Institutional Status

University          State ☐    Central ☐    Deemed ✔ Private ☐

Affiliated College        Yes ☐    No ✔

Constituent College       Yes ☐    No ✔

Autonomous college of UGC    Yes ☐    No ✔

Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI)    Yes ✔    No ☐

| Type of Institution | Co-education | ✔ | Men | | Women | |
|---|---|---|---|---|---|---|
| | Urban | | Rural | ✔ | Tribal | |
| Financial Status | Grant-in-aid | | UGC 2(f) | | UGC 12B | |

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

1.11 Type of Faculty/Programmes

| Arts | ✔ | Science | ✔ | Commerce | ✔ | Law | | PEI (PhysEdu) | |
|---|---|---|---|---|---|---|---|---|---|

| TEI (Edu) | ✔ | Engineering | ✔ | Health Science | | Management | ✔ |
|---|---|---|---|---|---|---|---|

Others   (Specify)   | - |

1.12 Name of the Affiliating University *(for the Colleges)*      | Not Applicable |

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

| Autonomy by State/Central Govt. / University | University |
|---|---|

| University with Potential for Excellence | - | UGC-CPE | - |
|---|---|---|---|
| DST Star Scheme | - | UGC-CE | - |
| UGC-Special Assistance Programme | - | DST-FIST | ✔ |
| UGC-Innovative PG programmes | - | Any other (*Specify*) | NAAC,NBA |
| UGC-COP Programmes | - | | |

## 2. IQAC Composition and Activities

| 2.1 No. of Teachers | 25 |
|---|---|
| 2.2 No. of Administrative/Technical staff | 2 |
| 2.3 No. of students | 5 |
| 2.4 No. of Management representatives | 1 |
| 2.5 No. of Alumni | 4 |

2. 6 No. of any other stakeholder and Community representatives

| 1 |

2.7 No. of Employers/ Industrialists

| 1 |

2.8 No. of other External Experts

| 2 |

2.9 Total No. of members

| 41 |

2.10 No. of IQAC meetings held

| 4 |

2.11 No. of meetings with various stakeholders:    No. | 41 |    Faculty | 31 |

Non-Teaching Staff | 2 |    Students | 7 |    Alumni | 1 |    Others | - |

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

If yes, mention the amount    | NIL |

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 4 |    International | - |    National | - |

State | - |    Institution Level | 4 |

(ii) Themes

- IQAC Metrics explanation to the new faculty recruited.
- Faculty Advisory system audit
- Research group performance analysis of various schools
- Training and placement feedback analysis.

2.14 Significant Activities and contributions made by IQAC

- Auditing of Special courses
- Strengthening research centres
- Formation of school concept and its implementation
- Augmentation of infrastructure activities
- Promotion of IEDC activities.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

| Plan of Action | Achievements |
|---|---|
| Flipped Classroom | Many departments have initiated in Teaching Learning |
| Post-Doctoral Fellowship | Number of faculties receiving fellowship for post-doctoral research increased |
| Academic & Administrative audit | Due to the Academic & Administrative Audit, the quality of teaching-learning process & all activities of centres were improved. |
| MOOC and SWAYAM Courses | The participation students & faculty in online courses were increased. |
| Status of In-House Journal in Engineering and Technology domain. | Works for a new journal entitled KARE International Journal of Advances in Information Technology and Data Science in the domain of information technology, planned to be released in 2019, is in progress. |
| Research Improvement | Number of Publications and Quality of Publications increased. |
| Innovative Practices of University | Best practices of the departments were identified |
| Target set for research publications per faculty | Through the IQAC metrics and Research group metrics target set for research publications for individual faculty members |

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

2.16 Whether the AQAR was placed in statutory body      Yes   ✔    No   ☐

Management   ✔   Syndicate   ☐   Any other body   ☐

Provide the details of the action taken

- The Board of Management has approved the AQAR and advised to submit to NAAC at the earliest.

# Part – B
## Criterion I - Curriculum Aspects

1.1 Details about Academic Programmes

| Level of the Programme | Number of existing Programmes | Number of programmes added during the year | Number of self-financing programmes | Number of value added/Career Oriented programmes |
|---|---|---|---|---|
| PhD | 16 | - | 16 | - |
| PG | 31 | - | 31 | - |
| UG | 27 | 5 | 32 | - |
| PG Diploma | - | - | - | - |
| Advanced Diploma | - | - | - | - |
| Diploma | - | - | - | - |
| Certificate | - | - | - | - |
| Others | 1(B.Ed) 5 Mphil | - | 1(B.Ed) 5 M.Phil. | - |
| **Total** | **80** | **-** | **85** | **-** |

| Interdisciplinary | 5 | - | 5 | - |
|---|---|---|---|---|
| Innovative | 14 | - | 14 | - |

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
- CBCS based curriculum is implemented.

(ii) Pattern of programmes:

| Pattern | Number of programmes |
|---|---|
| Semester | 32 Undergraduate Programs + 1 B.Ed 31 Postgraduate Programs + 5 M.Phil. |
| Trimester | - |
| Annual | - |

1.3 Feedback from stakeholders*
*(On all aspects)*

Alumni ✔  Parents ✔  Employers ✔  Students ✔

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

*Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.
- Yes, new regulation is framed with fully flexible Choice Based Credit System for B.Tech., B.Arch., B.Com., B.Sc., B.A., B.Voc. Programme.
- Curriculum and Syllabi is revised for the UG & PG programmes, conforming to the guidelines as per AICTE/COA/UGC/ICAR curricula.

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

# Criterion II
## Teaching & Learning Evaluation

2.1 Total No. of permanent faculty

| Total | Asst. Professors | Associate Professors | Professors | Others |
|---|---|---|---|---|
| 546 | 370 | 107 | 69 | - |

2.2 No. of permanent faculty with Ph.D.

| 236 |
|---|

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

| Asst. Professors | | Associate Professors | | Professors | | Others | | Total | |
|---|---|---|---|---|---|---|---|---|---|
| R | V | R | V | R | V | R | V | R | V |
| 105 | - | 1 | - | 5 | - | - | - | 111 | - |

2.4 No. of Guest and Visiting faculty and Temporary faculty

| - | 4 | - |
|---|---|---|

2.5 Faculty participation in conferences and symposia:

| No. of Faculty | International level | National level | State level |
|---|---|---|---|
| Attended | 103 | 132 | 83 |
| Presented papers | 207 | 92 | 18 |
| Resource Persons | 24 | 63 | 51 |

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

**I.  Theory with Practical**

For the theory subjects which are not having the allied laboratory course, practical component is added to the course.

**II.  Laboratory with Project**

For one of the laboratory courses in each semester, the students have to do a mini project as a part of the laboratory course.

**III.  Online Courses**

The Students are permitted to register for courses offered through web-based online courses offered by other Universities/Institutions in India (including NPTEL) or abroad. The On-line courses can be taken in place of self-study, one major/ open elective and one honors course.

**IV.  One Credit Courses**

The Students are permitted to enroll one credit courses offered by the departments with the help of experts from Industries or Scientist from Research laboratory or Professors from overseas Universities who are on deputation to KARE in III, IV, V& VI Semesters. The duration of each course is 15 hours.

**V.  Learning Management System (LMS)**

Learning Management System is used for designing of course plan and lecture schedule. Course material like lecture notes soft copies may be included as a part of the suite and uploaded in parallel with classroom teaching.

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

| 180 |

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

1. **Pre-Examination process are automated through software**
    a. Preparation examination timetable for
        i. Sessional Examination – I, II, III
        ii. End Semester Examinations
        iii. Make-up examinations
        iv. Arrear Examinations
    b. Student seating arrangement
    c. Student attendance sheet
    d. Invigilation duty chart for the faculty members
    e. Student can access seating position for examination in their SIS login
    f. Student Information System (SIS) app available for students SIS.

2. **Two level security system to ensure the quality of the question paper.**
    a. Program Coordinators and Course Coordinators are asked to check the quality of internal test questions before sending the question papers for photo copying. The question papers are updated based as and when on the comments offered by the Program Coordinators and the Course Coordinators which in turn would result in reasonably good quality question papers.

3. **Innovative assessment methodologies initiated** - These include On-line Quiz, Mini projects, Theory with practical components, Practical with mini projects, Open book, Multiple choice questions for Soft skills etc.

4. **External question papers**- 90% of question papers for the end semester examination are set by the external experts.

5. **Question Paper Setting –**
    a. Setting of Outcome-based (Bloom's Taxonomy) Question papers for all Sessional and End Semester Examinations.
    b. 10 % of Sessional Examination questions are modified with the consent of the senior faculty members in the departments before the questions go for printing.

6. **External question paper scrutiny –**A specially constituted scrutiny committee would ensure that the end semester question papers are of high academic standards. The experts are hand-picked from reputed institutions and also the internal senior faculty members. Based on the feedback from both the examiners, the question papers are chosen for printing. Coding and decoding of Answer sheets done during the valuation

7. **External valuation** - 90% of answer booklets in the end semester examinations are evaluated by the external experts.

8. **Distribution of valued answer scripts** - within 3 days from the last date of Sessional Examinations.

9. **Analyzing the Exam Performance** - Preparation of Test Performance Report for analyzing test results and immediate corrective actions.
10. **Information of marks to the parents** - Dispatch of the information to the parents about the performance of their wards.
11. **Facilities in the EDU-KARE Software –**
    a. Facilitation of Program Outcome Assessment through EDU-KARE

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

> 90 % of faculty members

2.10 Average percentage of attendance of students

> 91.2

2.11 Course/Programme-wise distribution of pass percentage:

| Degree | Specialization | Total No. of Students appeared | Honours (%) | First Class with Distinction (%) | First Class (%) | Pass (%) |
|---|---|---|---|---|---|---|
| B.A. | English | 59 | NA | 5.08 | 42.37 | 1.69 |
| B.Arch. | Architecture | 16 | 0.00 | 0.00 | 87.50 | 6.25 |
| B.B.A. | Bachelor of Business Administration | 61 | NA | 11.48 | 42.62 | 4.92 |
| B.C.A. | Bachelor of Computer Applications | 45 | NA | 11.11 | 60.00 | 0.00 |
| B.Com. | Computer Applications | 70 | NA | 7.14 | 32.86 | 0.00 |
| B.Com. | Regular | 30 | NA | 3.33 | 36.67 | 0.00 |
| B.Sc. | Catering Science & Hotel Management | 4 | NA | 0.00 | 100.00 | 0.00 |
| B.Sc. | Chemistry | 44 | NA | 13.64 | 52.27 | 0.00 |
| B.Sc. | Computer Science | 44 | NA | 11.36 | 59.09 | 0.00 |
| B.Sc. | Information Technology | 14 | NA | 14.29 | 35.71 | 0.00 |
| B.Sc. | Mathematics | 50 | NA | 22.00 | 56.00 | 0.00 |
| B.Sc. | Physics | 14 | NA | 7.14 | 78.57 | 0.00 |
| B.Sc. | Visual Communication | 6 | NA | 66.67 | 33.33 | 0.00 |
| B.Tech. | Automobile Engineering | 24 | 0.00 | 0.00 | 54.17 | 8.33 |
| B.Tech. | Biotechnology | 71 | 4.23 | 5.63 | 67.61 | 4.23 |
| B.Tech. | Chemical Engineering | 13 | 0.00 | 38.46 | 53.85 | 0.00 |
| B.Tech. | Civil Engineering | 111 | 4.50 | 0.00 | 61.26 | 18.92 |

| Degree | Specialization | Total No. of Students appeared | Honours (%) | First Class with Distinction (%) | First Class (%) | Pass (%) |
|---|---|---|---|---|---|---|
| B.Tech. | Computer Science and Engineering | 105 | 7.62 | 2.86 | 67.62 | 9.52 |
| B.Tech. | Electrical and Electronics Engineering | 37 | 0.00 | 2.70 | 54.05 | 13.51 |
| B.Tech. | Electronics and Communication Engineering | 57 | 7.02 | 1.75 | 50.88 | 28.07 |
| B.Tech. | Electronics and Instrumentation Engineering | 13 | 0.00 | 0.00 | 53.85 | 7.69 |
| B.Tech. | Information and Communication Technology | 1 | 0.00 | 0.00 | 0.00 | 100.00 |
| B.Tech. | Information Technology | 19 | 0.00 | 0.00 | 63.16 | 26.32 |
| B.Tech. | Mechanical Engineering | 207 | 2.90 | 0.48 | 66.67 | 14.01 |
| M.Arch | Habitat Design | 1 | NA | 0.00 | 100.00 | 0.00 |
| M.Phil. | English | 28 | NA | 21.43 | 60.71 | 7.14 |
| M.Phil. | Mathematics | 22 | NA | 13.64 | 81.82 | 0.00 |
| M.Phil. | Physics | 1 | NA | 100.00 | 0.00 | 0.00 |
| M.S.W. | Master of Social Work | 7 | NA | 57.14 | 42.86 | 0.00 |
| M.Sc. | Chemistry | 8 | NA | 87.50 | 12.50 | 0.00 |
| M.Sc. | Computer Technology | 6 | NA | 0.00 | 100.00 | 0.00 |
| M.Sc. | Mathematics | 12 | NA | 16.67 | 50.00 | 25.00 |
| M.Sc. | Microbial Technology | 1 | NA | 100.00 | 0.00 | 0.00 |
| M.Sc. | Physics | 3 | NA | 66.67 | 33.33 | 0.00 |
| M.Tech. | Biotechnology | 4 | NA | 100.00 | 0.00 | 0.00 |
| M.Tech. | Computer Science and Engineering | 4 | NA | 25.00 | 75.00 | 0.00 |
| M.Tech. | Construction Engineering and Management | 3 | NA | 0.00 | 66.67 | 0.00 |
| M.Tech. | Digital Communication and Network Engineering | 5 | NA | 60.00 | 40.00 | 0.00 |
| M.Tech. | Engineering Design | 1 | NA | 0.00 | 100.00 | 0.00 |
| M.Tech. | Environmental Engineering | 2 | NA | 100.00 | 0.00 | 0.00 |
| M.Tech. | Industrial Safety Engineering | 10 | NA | 50.00 | 40.00 | 0.00 |
| M.Tech. | Information Technology | 4 | NA | 25.00 | 50.00 | 0.00 |
| M.Tech. | Network Engineering | 4 | NA | 75.00 | 25.00 | 0.00 |
| M.Tech. | Power Electronics and Drives | 1 | NA | 100.00 | 0.00 | 0.00 |
| M.Tech. | Power System Engineering | 2 | NA | 100.00 | 0.00 | 0.00 |
| M.Tech. | Renewable Energy Technologies | 2 | NA | 100.00 | 0.00 | 0.00 |
| M.Tech. | Structural Engineering | 13 | NA | 46.15 | 53.85 | 0.00 |
| M.Tech. | Thermal Engineering | 1 | NA | 100.00 | 0.00 | 0.00 |
| M.Tech. | Transportation Engineering and Management | 1 | NA | 100.00 | 0.00 | 0.00 |
| M.Tech. | VLSI Design | 1 | NA | 0.00 | 100.00 | 0.00 |
| MA | English | 18 | NA | 16.67 | 72.22 | 0.00 |

| Degree | Specialization | Total No. of Students appeared | Honours (%) | First Class with Distinction (%) | First Class (%) | Pass (%) |
|---|---|---|---|---|---|---|
| MBA | Actuarial Science | 16 | NA | 6.25 | 75.00 | 0.00 |
| MBA | Finance and Business Analytics | 4 | NA | 50.00 | 50.00 | 0.00 |
| MBA | Master of Business Administration | 111 | NA | 4.50 | 72.07 | 17.12 |
| MCA | Master of Computer Applications | 17 | NA | 11.76 | 76.47 | 0.00 |

2.12 How does IQAC contribute/monitor/evaluate the Teaching & Learning processes:

- IQAC has implemented the collection and analysis of student feedback twice in a semester with two different templates.

- Appointed Department level IQAC officers to review sessional Examination question papers.

- Detailed academic audit is carried out.

- IQAC has evolved guidelines to ensure quality in the implementation of special courses and training of faculty to meet the compliance.

2.13 Initiatives undertaken towards faculty development

| Faculty / Staff Development Programmes | Number of faculty benefitted |
|---|---|
| Refresher Courses | 294 |
| UGC – Faculty Improvement Programme | 167 |
| HRD programmes | 181 |
| Orientation programmes | 144 |
| Faculty exchange programme | 09 |
| Staff training conducted by the institute | 367 |
| Staff training conducted by other institutions | 374 |
| Summer / Winter schools, Workshops, etc. | 290 |
| Others | - |

2.14 Details of Administrative and Technical staff

| Category | Number of Permanent Employees | Number of Vacant Positions | Number of permanent positions filled during the Year | Number of positions filled temporarily |
|---|---|---|---|---|
| Administrative Staff | 213 | - | 4 | - |
| Technical Staff | 48 | - | 3 | - |

# Criterion III
## Research, Consultancy & Extension Activities

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

- IQAC has implemented quality assurance system to help faculty members to attend seminars and workshops.
- Faculty members are encouraged by providing credits in appraisal system for research projects and publications in journals.
- Research awards are instituted to encourage more quality research publications.
- Special initiatives through International Research Centre (IRC) are taken to encourage faculty members to submit project proposals.
- Publication of UG/PG student projects in conferences and journals.

3.2. Details regarding major projects

|  | Completed | Ongoing | Sanctioned | Submitted |
|---|---|---|---|---|
| Number | 4 | 50 | 2 | 29 |
| Outlay in Rs. Lakhs | 82.59 | 596.08 | 50 | 617.1 |

3.3. Details regarding minor projects

|  | Completed | Ongoing | Sanctioned | Submitted |
|---|---|---|---|---|
| Number | 31 | 8 | 2 | 5 |
| Outlay in Rs. Lakhs | 7.36 | 6.46 | 1.1 | 5.76 |

3.4. Details on research publications

|  | International | National | Others |
|---|---|---|---|
| Peer Review Journals | 252 | 27 | - |
| Non-Peer Review Journals | 83 | 25 |  |
| e-Journals | 252* | 27* | - |
| Conference Proceedings | 160 | 89 |  |

\* All the Peer Review Journals are available in e-Journals.

3.5 Details on Impact factor of publications:

Range    | 0.1 to 8.02 |   Average   | 1.8 |   h-index   | 51 |   Nos. in SCOPUS   | 279 |

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

| Nature of the Project | Duration Year | Name of the funding Agency | Total grant Sanctioned (in Lakh of Rs) | Received (in Lakh of Rs) |
|---|---|---|---|---|
| Major projects | 3 Years | MoEFCC, SERB, NRDMS, DRDO, DST, NCW,Industries | 454.68 | 255.74 |
| Minor Projects | 2 Years | TNSCST, AICTE, ICMR, CSIR | 1.56 | 1.56 |
| Inter-disciplinary Projects | 3 Years | ICMR | 21.00 | - |
| Industry sponsored | 3 Years | Thermaguard | 20.10 | 8.60 |
| Projects sponsored by the University/ College | 2 Years | KARE | 39.25 | 39.25 |
| Students research projects | 2017-2018 | DST,EDII,MSME, IEDC | 140.96 | 19.16 |
| Total | - | - | 677.55 | 324.31 |

3.7 No. of books published    i) With ISBN No.    18    Chapters in Edited Books    25

ii) Without ISBN No    -

3.8 No. of University Departments receiving funds from

UGC-SAP    -    CAS    -    DST-FIST    1

DPE    -    DBT Scheme/funds    -

3.9  For colleges

Autonomy    NA    CPE    NA    DBT Star Scheme    NA

INSPIRE    NA    CE    NA    Any Other (specify)    NA

3.10  Revenue generated through Consultancy    Rs. 19644950

3.11 No. of Conferences organized by the Institution

| Level | International | National | State | University | College |
|---|---|---|---|---|---|
| Number | 6 | 9 | - | 16 | - |
| Sponsoring agencies | SAE, CAD Tech, Auto Desk, Makali Spinning | SAE, CSIR, DAE | - | KARE | - |

3.12 No. of faculty served as Experts, Chairpersons or Resource Persons    141

3.13 No. of Collaboration  International  77   National  175   Any other  -

3.14 No. of Linkages created during this year  92

3.15 Total Budget of research for current year in lakhs of Rs:

From Funding Agencies  132

From Management of University/College  784

Total  916

3.16 No. of Patents received this year

| Type of Patent | | Number |
|---|---|---|
| National | Applied | 41 |
| | Granted | 24 |
| International | Applied | - |
| | Granted | - |
| Commercialized | Applied | - |
| | Granted | - |

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

| Total | International | National | State | University | Dist | College |
|---|---|---|---|---|---|---|
| 485 | 148 | 118 | 134 | 85 | - | - |

3.18 No. of faculty from the Institution  130
who are Ph. D. Guides
and students registered under them  332

3.19 No. of Ph.D. degrees awarded by faculty from the Institution  30
     *(JULY 2017 to JUNE 2018)

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

JRF  4   SRF  2   Project Fellows  2   Any Other(**URF**+**PDF)**  104

3.21 No. of students participated in NSS events:

University level   | 1321 |     State level    | 12 |

National level     | 5 |        International level | - |

3.22 No. of students participated in NCC events:

University level   | 576 |      State level    | 100 |

National level     | 14 |        International level | - |

3.23 No. of Awards won in NSS:

University level   | 10 |        State level    | - |

National level     | - |         International level | - |

3.24 No. of Awards won in NCC:

University level   | 31 |        State level    | - |

National level     | 60 |        International level | - |

3.25 No. of Extension activities organized

University forum   | 20 |        College forum   | - |

NCC   | 17 |        NSS   | 52 |        Any other   | 35 |

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

- Invention of low cost milking machine through community service project to help the economically challenged people.
- Developing of Aqua Monitoring System through community service project to improve the fish and prawn culture which would help small scale persons who are depending upon shrimp culture.
- Waste Water Treatment developed by students through community service project which will be used for gardens.
- The sign language translator developed by our students through community service project is an aiding device which uses a hand glove embedded with sensors for converting sign

language into English (textual language) language. This aiding device targets the speech and hearing-impaired community.

- Developing of Automatic Irrigation System Based on Soil Moisture Sensor through community service project.
- Developing of Automatic Blind Cane Using Advance Technology for the visually impaired persons through community service project.
- Five 7 Days Special Camp (10 camps) from 08-12-2017 to 14-12-2017, 517 NSS Volunteer participated.
- 22nd National Youth Festival at Noida (U.P) from 12 to 16th Jan 2018 (5 NSS volunteer participated)
- Vermi- Compost training production former fields at koomapatti village on 3rd Feb 2018 (65 NSS volunteer participated)
- "Developing Leadership within Organization-2020" – Barry Edwards, Founder & CEO, Creative Presentations, Orlando, Boca Raton, New York and 14 member crew from USA has delivered the Presentation and organized different motivational activities at our university campus on 13-02-2018, 700 NSS Volunteer participated.
- "Two Days First State level NSS Convention–2018 – YUVA PARICAARYA – Youth's Service for betterment of Nation" Mr.I.Ananda Kumar--District Revenue Officer--Virudhunagar, Mr.P.Raja, DSP, Srivilliputtur and Dr.T.Varadharajan, Theni Medical College have delivered the Inaugural and Presidential address at our campus on 13-04-2018 and 14-04-2018. Eighty External students and 10 internal students participated in all these events. (In all, 17 NSS POs and 700 NSS Volunteers have actively participated in this Program)
- Four Special Camps with seven days each from 19-05-2018 to 25-05-2018 were conducted. In total, 218 NSS Volunteers participated.

# Criterion IV
## Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

| Facilities | Existing | Newly created | Source of Fund | Total |
|---|---|---|---|---|
| Campus area | 163 Acres | - | Self-Funding | 163 Acres |
| Class rooms | 199 | - | Self-Funding | 199 |
| Laboratories | 120$^*$ | - | Self / Govt. Agencies/Industry Funding | 221$^{**}$ |
| Seminar Halls | 16 | - | Self-Funding | 16 |
| No. of important equipment purchased ($\geq$ 1-0 lakh) during the current year. | 182 | 69 | Self-Funding | 251 |
| Value of the equipment purchased during the year (Rs. in Lakhs) | 609.00 | 538.60 | Self-Funding | 1147.60 |
| E-Books | 971 | 29437 | Self-Funding | 30408 |

$^*$ - includes only academic laboratories
$^{**}$ - includes academic, research labs, workshops, industry sponsored labs, fields for experimental study, language lab.

4.2 Computerization of administration and library

- The offices of Admission, Accounts Section, IQAC, Controller of Examinations, and Hostel (Student life Cycle) have been computerized.

- The library services have been automated with the software, *MODERNLIB,* a menu-driven, interactive, user-friendly package, designed with utmost care to meet the library users' information needs, such as the availability of books, status of the books, user details etc.

- On-line Public Access Catalogue (OPAC) is made available to enable the students and staff to search the availability of books, current status of books and user details.

- An Institutional Repository (IR) is also developed using the open source software 'DSpace' which provides the proceedings of the conferences, seminars and UPSC question papers through campus wide network.

4.3 Library services:

| Description | Existing (Upto June'17) | | Newly Added (After June'17) | | Total | |
|---|---|---|---|---|---|---|
| | No. | Value (Rs) | No. | Value (Rs) | No. | Value (Rs) |
| Textbooks | 75264 | 24014466 | 12101 | 1121197 | 87365 | 25135663 |
| Reference Books | 4947 | 16627382 | 134 | 224189 | 5081 | 16851571 |
| Journals | 273 | 700324 | 38 | 68434 | 311 | 768758 |
| E-Journals & Digital Database | 327 | 813953 | 3971 | 823231 | 4298 | 823231 |
| CD, Video etc. | 6432 | 132397 | 198 | Cost included in the print books | 6630 | 132397 |

4.4 Technology up-gradation (overall)

| | Total Computers | Computer Labs | Internet | Browsing Centers | Computer Centers | Office | Depart-ments | Others |
|---|---|---|---|---|---|---|---|---|
| Existing | 2080 | 1532 | 246Mbps | - | 276 | 135 | 137 | - |
| Added | - | - | 154Mbps | - | - | - | - | - |
| Total | 2080 | 1532 | 400Mbps | - | 276 | 135 | 137 | - |

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

- Student-computer ratio is maintained as per the UGC and AICTE guidelines.
- All the academic blocks and hostels are connected through optical fibres.
- KARE campus is 24/7 Wi-Fi-enabled and all the academic blocks and hostels are installed with access points for Wi-Fi access.
- Internet facility is available with 400 Mbps Internet bandwidth.
- Institute is also connected to National Knowledge Network (NKN) through 1Gbps connectivity.
- Institute is the remote centre for QEEE from IITM, Chennai
- Institute is the remote centre for NMECIT from IIT, Bombay for spoken tutorial program, on-line Faculty Development program and on-line value added courses for students.

- A-View class room facility is established for on-line learning under QEEE, NMEICT.
- 28 Class rooms were installed with Impartus Lecture Capturing facility.
- Both students and faculty were given adequate training to use Impartus Lecture capturing software.
- Faculty are trained to create and maintain e-content for their courses to enable web-based learning.
- KARE has automated Timetable, Course Registration, Attendance, Exam Registration, Feedback by students, Assessments, Downloading Hall Tickets and Result Declaration.
- KARE has also made fees payment, bus booking, hostel room booking 100% online.
- Staff leave approval is automated.

4.6 Amount spent on maintenance in lakh of Rs:

i)   ICT                                        | 155.24

ii)  Campus infrastructure and facilities       | 1040.08

iii) Equipment                                   | 187.59

iv) Others                                       | 266.58

Total:                                           | 1649.50

# Criterion – V
# Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Freshman Induction Programme (FIP) is conducted at the beginning of every academic year, where the students are informed of the various student support services offered at the institutional level.
- Faculty Advisory System is implemented effectively to have a face-to-face interaction with the individual student
- Qualitative and Quantitative metrics have been designed for activities related to student support services for continuous improvement

5.2 Efforts made by the institution for tracking the progression

- Mentoring through Faculty Advisory System*
- Class committee meeting is conducted thrice a semester to track the progression of the students. Feedbacks are collected and action taken reports are submitted to the VC's office as minutes of the meeting
- Parent-Teacher Meetings are conducted every semester
- Effective Feedback mechanism from recruiters to improve quality of graduates.
- Students are motivated for Semester Abroad Programmes to acquaint themselves with the international academic culture.
- Lecture video capturing facilities are available in 28 lecture halls to record the lectures delivered by the faculty. This helps the student to view the lectures whenever needed / as many times as needed during their preparation.
- Merit Scholarships are given to students to motivate them in order to perform better in their academic pursuits.
- Fee concession is extended to socially and economically weaker sections of students by KARE.

  * To guide and monitor the progression of the students in Academics & Non Academics for their continuous improvement. Tracking and counseling the students for their betterment.

5.3 (a) Total Number of students

| UG | PG | Ph. D. | Others |
|------|-----|--------|--------|
| 6131 | 460 | 332    | 51     |

(b) No. of students outside the state

| 2237 |
|------|

(c) No. of international students

| 7 |
|---|

| Last Year(2016) | | | | | | This Year(2017) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| 671 | 430 | 9 | 5142 | 17 | 6269 | 893 | 464 | 11 | 5194 | 80 | 6642 |

* PhD Scholars not included.

| Men | No | % | | Women | No | % | | Demand ratio | 1.65:1 | | Dropout % | 2.66 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3863 | 58.61 | | | 2728 | 41.39 | | | | | | |

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

- KARE is providing study material and Model question papers for various competitive examinations through Centre for Competitive Examinations (CCE). CCE is also providing coaching to the students who are willing to participate in Tamil Nadu Public Service Commission (TNPSC), Union Civil Services examinations, NET/SET, SSC, etc.
- Besides, a MoU has been signed with RACE Academy to coach the students for TNPSC, UPSC, and Banking exam aspirants and the classes are conducted within the campus.
- The students are encouraged to participate in seminars, quiz competitions and other programmes organized by the other institutions to update their technical knowledge and to get an insight into the latest developments as part of the Non-CGPA.
- Special coaching and training sessions with special trainers have been given to the sports persons who have been selected under the sports quota to help them participate in the Zonal, State, National and International level.
- GATE Coaching classes for the students have been conducted at the department level
- Collection of previous GATE questions have been made available at the central library as well as at the department library and facility is provided to the aspirants to appear for the mock test.
- Soft skills Courses have been made mandatory.
- Mock tests and Group Discussions have been conducted for better placement
- Hindi and Foreign languages (French, Korean, Japanese and German) are being taught to students to enhance their employment opportunities.
- Coaching for CA/ICAI under the guidance of ICAI Madurai Chapter.

No. of student beneficiaries

2972

5.5 No. of students qualified in these examinations

| NET | - | SET/SLET | - | GATE | 4 | CAT | 1 |
|---|---|---|---|---|---|---|---|
| IAS/IPS etc | - | State PSC | - | UPSC | - | GRE | 1 |

| IELTS | 3 | BEC | 206 | Bank Exams | 2 | ICAI | 1 |
|---|---|---|---|---|---|---|---|

5.6 Details of student counselling and career guidance

- Counseling is given to students as and when they need it by professional counselors.
- Faculty Advisors, HODs and the senior faculty would offer academic-related counseling.
- The Career Guidance Cell and Girl Students Counseling Cell have organized programmes to sensitize students relating to social issues, gender inequality, stress, sex abuse, communal violence etc.
- The Class-committee meetings have been conducted periodically to take stock of students' performance and also to take follow-up actions.
- Each Faculty Advisor is a mentor for 20 students. He / she will interact with the students periodically and maintain a record about their academic, Non-CGPA, and personal issues in a diary allotted for individual students.
- The Placement cell of each department gives wide publicity regarding career guidance programmes and other related initiatives.
- The Soft-skills development programmes have been organized regularly to fine-tune the attitudes of students and to equip themselves better for employment.
- One credit courses are conducted by the invited industrial experts to impart practical knowledge in their respective domain
- Alumni are invited to provide career guidance to students.
- Yoga and meditation sessions have been conducted with trainers so that students are relieved from tension, stress, etc. in the fast-moving modern world. This would also help them concentrate better in their academic pursuits.

5.7 Details of campus placement

| On Campus | | | Off Campus |
|---|---|---|---|
| Number of Organizations Visited | Number of Students Participated | Number of Students Placed | Number of Students Placed |
| 138 | 919 | 887 | 7 |

5.8 Details of gender sensitization programmes

- Women's Day is being celebrated every year in the campus wherein outstanding women are invited and honored.
- KARE has a well-structured Internal Complaints Committee (ICC) to deal with issues if any related to women sexual harassment.
- On-line facility is also available to report complaints through the students' web portal.

- Various awareness programs pertaining to women's welfare, empowerment and health issues have been organized regularly in the campus.

5.9 Students Activities

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

State/ University level | 2336 | National level | 10 | International level | 5

No. of students participated in cultural events

State/ University level | 1686 | National level | 101 | International level | -

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

Sports:   State/ University level | 412 | National level | 10 | International level | 8

Cultural:   State/ University level | 157 | National level | 11 | International level | -

5.10 Scholarships and Financial Support

| Scholarships and Financial Support | Number of students | Amount (Rs.) |
|---|---|---|
| Financial support from institution(first graduate, merit-scholarship and sports scholarship) | 1946 | 3,86,00,200 |
| Financial support from government/(National scholarship) | 35 | 7,85,700 |
| Financial support from other sources | 2 | 15,500 |
| Number of students who received International/ National recognitions | 15 (Start-up-NIDHI) 13 (IEDC) 500 (DST-NIMAT) | 70,00,000 8,00,000 3,90,000 |

5.11    Student organised / initiatives

Fairs :   State/ University level | 6 | National level | 16 | International level | -

Exhibition:   State/ University level | 15 | National level | - | International level | -

5.12    No. of social initiatives undertaken by the students | 99

5.13 Major grievances of students (if any) redressed:

- Laundry facilities at Hostels take care of washing and ironing clothes of inmates with no limit on volume of clothes.
- Mess providing North Indian menu satisfies the needs of students from other states.
- All academic grievances are addressed successfully.

# Criterion – VI

## Governance, Leadership & Management

6.1 State the Vision and Mission of the institution

**Vision:**

To be a Centre of Excellence of international repute in Education and Research.

**Mission:**

To produce technically competent, socially committed technocrats and administrators through quality education and research.

**Quality Policy:**

 KARE through IQAC strives to establish a quality system in all aspects such as Teaching, Research, Extension and Administration by monitoring the same in a continuous way for the quality sustenance and enhancement with a goal to lead the institute to be a Center of Excellence in higher educations at National and International level.

6.2 Does the Institution have a Management Information System?

Yes. The institution has established an effective Management Information System that facilitates the students to register their courses, monitor their attendance, to verify their marks, pay their fees, and book their hostel rooms and their transport. They provide all the information necessary for the students, parents and the faculty advisors. The following modules of the Management Information System are currently in force:

EDU-KARE which is an Integration of the following provides different level of login for Deans, HoDs, Class Coordinators and Faculty Advisors:

- ➢ EASY (Exam Administration System)
- ➢ AIMS (Attendance Information Monitoring System)
- ➢ OCRS (on-line Course Registration--CGPA/Non-CGPA),
- ➢ FIS (Faculty Information System)
- ➢ SALT (Staff Attendance and Leave Management System)

In addition to the above-said facilities, the following facilities have also been provided:

- SIS (Student Information System)
- PACO (Parents' Corner)
- Touch SIS (Student Information System Touch-screen Version)
- KARE-Transport Booking.
- KARE - Hostel Booking
- Academic Fee Payment
- Grievances and feedback

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

6.3.1    Curriculum Development

The institution adopts various quality improvement strategies that would take the institution to the next level. The institution believes in constantly improving the curriculum. A systematic process is followed for the enrichment of the curriculum. Every program has been approved by Board of Studies, which comprises of some select internal faculty and, academicians from other institutions and subject experts from industries. Principles of Bloom's Taxonomy have been applied while designing the courses. The curriculum is reviewed periodically and revisions would be undertaken based on the feedback from all the stake holders.

To update our curriculum we adopt the following steps:
- Deputing senior faculty members to attend workshops on curriculum development.
- Brain storming sessions involving Deans and HoDs
- Interaction with all the stakeholders

6.3.2 Teaching and Learning

The institution gives much importance to effective teaching that can attain desired learning outcomes. The University has taken many initiatives to enhance the outcome of the teaching learning processes.

➢ All our courses have well defined course outcomes.
➢ A detailed course plan which includes the learning outcomes is provided to the students at the beginning of each semester.
➢ The mode of teaching is a mix of traditional black board teaching, problem based learning, use of ICT tools and flipped-class room activities. These are supplemented by on-line course deliveries using Google Classroom and Easy class portals and, seminars and tutorials.
➢ The class room lectures are supplemented with experiential learning tools through laboratory exercises, industrial visits and internships in the industry / research laboratory.
➢ 28 lecture halls are equipped with a video capturing system; the lectures delivered in the class rooms are captured as videos and are available on-line for the students to listen to the lectures at any time and learn at their own pace.
➢ To promote self-learning among students, they are encouraged to enroll in on-line courses offered by NPTEL, COURSERA, EDX and also to participate in conferences and present papers.
➢ Study materials are posted in Learning Management System (LMS), which can be accessed by the students anytime using Intranet.
➢ Remedial classes and tutorials are conducted for weak students
➢ Academic audit is conducted every semester to ensure an effective teaching and learning process.

To improve the teaching-learning process we adopt the following:
- Encouraging our faculty members to participate in workshops on e-learning.
- Organizing training programs on Effective Teaching, Conducting Laboratory Courses and Time Management to the new faculty.
- Usage of ICT tools for effective teaching.

6.3.3 Examination and Evaluation

1. Assessment consists of Sessional Examinations (Internal), Assignments / Seminars and End semester examinations.

2. Class committee comprises of students and faculty that analyses the results at the end of each sessional examination

3. Ninety percentage of the end semester question papers are set by the external subject experts.

4. Dedicated web-server for acquisition of e-question paper from the external question setters.

5. Scrutiny committee would ensure that the end semester question papers are of high academic standards

6. Ninety five per cent of answer booklets of the end semester examinations are evaluated by external examiners.

7. Double valuations would be done, if necessary.

8. Review of corrected answer scripts are carried out by the external experts from reputed institutions.

9. Results analysis is done by Staff Council at the end of sessional and end semester examinations and poor-performers are guided how to do better in the subsequent exams by the faculty advisors.

10. Diverse evaluation components are included.

11. The answer scripts are distributed to the students to ensure transparency in evaluation


6.3.4    Research and Development

➢ Quality R&D activities are promoted by conducting various conferences and workshops on specific themes wherein researchers get an opportunity to learn from their peers and from established scientists and technologists.

➢ Grant writing workshops for young investigators and research seminars for research scholars and post-doctoral fellows are also conducted which help in increasing the quality of research in the institution.

➢ Research incentive is provided to faculty members for publications in reputed journals and reputed conference proceedings.

To ensure the quality of the doctoral thesis produced by KARE, the institution has initiated the following measures:

• Research scholars are selected based on the performance of the candidates in a preliminary subject-specific screening test followed by a personal interview by a panel of experts.

• The research progress of research scholars is periodically monitored every six months by the Departmental Research Committee that comprises of external subject experts.

• Incentives are given to Research Scholars for  publishing  quality research articles

• A research scholar shall be permitted to submit synopsis if he/she has published at least three research articles in peer-reviewed Scopus indexed journals / refereed conference proceedings, with at least one of them published in an SCI indexed journal along with other requirements.

- The thesis submitted by a research scholar is reviewed by two external examiners, one from India and another from abroad and the Thesis Defence is conducted after receiving satisfactory report by both the examiners.
- The institution has also installed ''iThenticate'' software for plagiarism detection; all the research manuscripts and Ph.D. theses would be tested using the same prior to submission to the journal and to the University respectively. It is ensured that the similarity index indicated by the software should be less than 20%.
- All the Doctoral Theses are uploaded in *Shodhganga* portal

6.3.5 Library, ICT and physical infrastructure / instrumentation

- **E-Library:** To improve the turn time, more computer systems have been added to the E-Library section for accessing the e-resources subscribed by our institution. The same is also available on institute LAN.
- **Media Resource Centre (MRC):** A media resource centre, with required facilities, has been created that would house various media resources such as CD/DVD, Audio cassettes, video Cassettes, VCDs.
- **Resource Cell for Competitive Examinations:** A separate resource cell has been created with more than 1300 books for the preparation for competitive examinations conducted by UPSC, TNPSC, SSC, Railway, Banking sector. Also plenty of other resources have been made available for GATE, GMAT, GRE, TOEFL etc.
- **Video Conferencing Facility:** A video conferencing facility with state-of-the-art equipment has been created to facilitate lectures from resource persons from other institutions in India and abroad.
- 28 lecture halls are equipped with a video capturing system; the lectures delivered in the class rooms are captured as videos and are available on-line for the students to listen to the lectures at any time and learn at their own pace.

- Institutional Digital Repository has been developed using an Open Source Software 'DSpace' which provides GATE question papers from 1991 totill date. Question papers for all the examinations conducted by UPSC from the year 2011 are available. The repository can be accessed through the campus network.

6.3.6 Human Resource Management

The institutional Human Resources are managed at various levels by the respective HoDs, Deans and Directors. The EDU-KARE, an in-house software, has been put in place for employees to login; this is linked to the attendance software. The attendance is monitored by the HoDs, Deans and Directors and they have control on approvals and leave management. This also reduces the time in processing the requests related to conferences and similar events.

Also KARE has provisions to improve existing human resources.

- A well-laid policy is practiced for staff recruitment.
- A well-defined policy is in practice for the career progression
- Faculty Development Programs on "Training the trainers" - in collaboration with Infosys.
- Faculty members are encouraged for Industrial consultation.
- Faculty members are motivated to attend reputed conferences, seminars, workshops, refresher courses and Faculty Development Programs.
- Publications in reputed journals by the faculty members are specially recognized.

- Academic achievements are well recognized and awarded every year on 'IQAC Day' by the Office of the IQAC.

6.3.7 Faculty and Staff recruitment

- KARE releases recruitment advertisements, every academic year, in various national and regional dailies for filling-up vacancies that are pre-determined based on the requirement of the departments. Faculty members are recruited based on their experience, expertise and specialization. The interview panel consists of both internal and external experts. The recruitment process includes a written test, short lecture and personal interview. The candidates would be selected based on their aptitude to teaching-learning, communication skills and professional ethics.

- In order to accommodate the new faculty into the new institutional atmosphere, a Faculty Induction Program is conducted for the newly joined faculty. Also faculty development programs are conducted periodically.

- A senior faculty member is assigned as a mentor for the newly recruited faculty.

- KARE offers a good salary package for the highly qualified and well experienced faculty members.

6.3.8 Industry Interaction / Collaboration

- A dedicated Office of Corporate Relations, with a placement cell, and the Office of International Relations take care of industry relations and training and placement of students.

- Steps have been taken to continuously improve the institute-industry collaboration at various levels

- In order to disseminate technical knowledge and for student training, KARE executes Memorandum of Understanding (MoUs) with various industries. This helps the departments to organize technical sessions/seminars with industry experts and to motivate students for in-plant training and internships.

- To make industry- oriented teaching learning process, industry visits, semester long project work at industry, students' participation in industrial consultancy projects, guest/expert lectures on topics beyond syllabus by practicing experts from industry are conducted.

- Arrangement of various training programs to improve the students' soft skills

- To make the curriculum industry-oriented, industry feedback on the curriculum is obtained and senior industry personal are appointed as Members of Board of Studies

- Summer internship in the industries is made mandatory to get themselves trained in a real-time environment

- Corporate paid-internship for final year UG and PG students (improving every year)

- Continuous Improvement in quality of companies visiting for internships and placement.

6.3.9 Admission of Students

- KARE gives wide publicity about the admission process through advertising in newspapers, local television channels, and participates in educational fairs and provides updated information through the institution's website. Advertisement through online mode is also implemented.

- Admissions to UG and PG programs are done based on the performance of students in their qualifying examinations and national level entrance examination (KARE Entrance Examination; KAREEE). NATA score is considered for admission into B.Arch. program.

- A Rank list is prepared and admissions are made based on the merit list.

- Admissions are also made based on JEE-Main, the seats are allocated by CSAB.

- KARE reaches out to the backward community students, OBC, SC/ST, economically weaker students and outstanding achievers in sports by offering them scholarships in desired courses.

6.4 Welfare schemes for:

Several welfare schemes are provided for the welfare of faculty, non-teaching staff and students:

| | |
|---|---|
| Teaching | ➢ EPF<br>➢ Medical facility in the university health center<br>➢ Annual Health check-up<br>➢ Maternity leave<br>➢ On Duty leave for attending workshops and Faculty Development Programs<br>➢ Sabbatical leave for faculty selected for post-doctoral fellowships<br>➢ Grant for attending conferences abroad<br>➢ MoU with banks for personal loans at lower rate of interest<br>➢ Seed money for research work<br>➢ Research Incentives<br>➢ Concessions in the fee for wards of faculty<br>➢ On-campus residential housing facility<br>➢ Group Insurance<br>➢ Yoga and meditation camp for faculty<br>➢ Provision of sports facility<br>➢ The faculty Tour program sponsored by management through the Staff Recreation Club (SRC) |
| Non-Teaching | ➢ EPF<br>➢ Medical facility in the university health center<br>➢ Maternity leave<br>➢ Group Insurance<br>➢ On-campus residential housing facility<br>➢ Concessions in the fee for wards of faculty<br>➢ Yoga and meditation camp for faculty<br>➢ ESI<br>➢ Subsidized transport facility<br>➢ Staff-development programs for non-teaching staff<br>➢ Provision of sports facility<br>➢ Uniform issued to Class IV employees, drivers and securities |

| | |
|---|---|
| Students | ➤ Medical facility in the university health center<br>➤ Medical / accidental insurance<br>➤ Sports facility including access to swimming pool<br>➤ Yoga and meditation classes<br>➤ Skill development courses<br>➤ Faculty-advisory system for mentoring students<br>➤ Counselling facility for the students<br>➤ Special scholarships for students excel in sports<br>➤ First graduate scholarships<br>➤ Merit Scholarships for academic achievements<br>➤ Awards to students who excel in academics<br>➤ Educational loan facilities by banks through MoUs<br>➤ Scholarships for meritorious UG students for pursuing PG programs.<br>➤ Support to students who represent the institution in extracurricular and Sports activities |

6.5 Total corpus fund generated

Rs 5 Crore

6.6 Whether annual financial audit has been done     Yes  ✔   No  ☐

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

| Audit Type | External | | Internal | |
|---|---|---|---|---|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | Experts from other institutes | Yes | Senior faculty members nominated by the office of Director (Academic) |
| Administrative | No | - | Yes | IQAC office |

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

For UG Programmes     Yes  ✔   No  ☐

For PG Programmes     Yes  ✔   No  ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?
1. Receiving external questions online through a secured webserver
2. Implementation of multiple choice questions for Soft Skills examinations.
3. Mark entry for sessional examinations through EDU-KARE software
4. Facilitation of Program Outcome Assessment through EDU-KARE.
5. Various innovative assessment methodologies of examinations have been initiated. (Online Quiz, Mini project, Theory with practical components, Practical with Mini projects, Lab with Mini project, Open book).

6. The schedule of end semester examinations of both theory and laboratory courses are discussed with respective schools and then declared to the students one-month in advance.
7. Academic calendar, schedule of theory and laboratory examinations and other information have been published in the institute website.
8. Green initiatives for the conduct of examinations, including the automation of:
   a. Seating arrangements prior to the exams
   b. Attendance sheet
   c. Invigilator schedule
9. Question paper scrutiny by a team of external faculty members from reputed institutions / Universities.
10. Centralized end semester examinations
11. Centralized valuation for end semester examinations and the results are declared within 10 days after the end of the end semester examinations.
12. Proper recording cases of malpractice and EMGRC

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

Not Applicable

6.11 Activities and support from the Alumni Association

The alumni of KARE are a vital part of the institution; the institute has an active Alumni Association and the association supports the institution in various ways. The institution conducts regular alumni meetings to strengthen the bond between the alumni and the institution. The alumni are connected through a web portal "**almaconnect**" (https://kalasalingam.almaconnect.com/).

Alumni are often invited as guests for various functions, resource persons for workshops and seminars and in delivering guest lectures. They also interact with the students and mentor them in research or in preparing for jobs. Their feedback is taken while redesigning the curriculum.

| Event Attended | Alumni as Guest |
|---|---|
| **Guest Lectures** | |
| Multiscale Computational Modeling of Engineering Materials, July 12, 2017 | Mr.Arulkumar Mariappan Scientist Los Alamos National Laboratory New Mexico, USA |
| Viral Suppressors of RNA Silencing, August 9, 2017 | Mr. K. Pruthvi Balachandra Doctoral Student Swedish University of Agricultural Sciences, Sweden |
| Insights on Data Governance and Data Mining on September 22, 2017. | Mr. V. Ramprasath Software Developer Lucent Technologies and Solutions Pvt Ltd., Chennai. |
| Bioelectrochemical Interface Technologies for energy applications in space, January 2, 2018 | Dr. R. Navaneitha Krishnaraj Research Professor South Dakota School of Mines and Technology Rapid City, SD, USA |

| | |
|---|---|
| Career Development Program on January 3, 2018. | Mr. S. Thiyagarajan<br>JPMorgan Chase & Co<br>United States of America |
| KARE-NI Days 2018 (National level Technical LabVIEW based competitions and project display) on March 17, 2018. | Mr. A. Prasanth<br>Associate Manager<br>VI Solutions, Bangalore<br><br>Mr. M. Muthukumar<br>Warehouse Executive<br>TVS logistics Service Ltd., Chennai |
| Webinar on Career Opportunities in VLSI Companies on March 21, 2018. | Ms. S. Priyadharshini<br>Senior Test Engineer<br>Tessolve Semiconductor Services<br>Bangalore |
| **One Credit Courses** | |
| System Verilog, September 15-17, 2017 | Mr.Natchiappan<br>Senior Verification Engineer<br>Perfectvips, Bangalore |
| System Verilog, March 2-4, 2018. | Mr.Natchiappan<br>Senior Verification Engineer<br>Perfectvips, Bangalore |
| **Workshops and Conferences** | |
| Workshop on "Microsoft Business Intelligence" on July 28, 2017 | Mr. Dinesh<br>System Analyst<br>Bangalore |
| Workshop on "Machine Learning Concepts and Applications", January 20, 2018. | Mr.Abinesh Solairaj<br>Senior Application Developer<br>IBM India Pvt. Ltd.,<br>Bangalore |
| Workshop on "Big Data using Hadoop", February 2, 2018 | Mr.Solaimurugan<br>Scientist, CDAC, Chennai |

### Conferences Supported by Alumni Association

➢ International Conference on "Data Security" organized by School of Computing, December 11-13, 2017.
➢ National Conference on "Technologically Important Crystalline and Amorphous Solids" (TICAS-2018) organized by Department of Physics, March 2-3, 2018.
➢ National Conference on "Research Innovation in Materials, Construction Techniques and Sustainable Development (RIMTSO-2017) organized by the Department of Civil Engineering, March 17, 2017.

6.12 Activities and support from the Parent-Teacher Association

As they are important stakeholders of the institution, parents have a strong linkto the institution. On day-one of the Freshman Induction Program, parents are briefed about the institution, the curriculum, the campus life and the various opportunities available to the students.

Regular updates on the attendance of the students and their academic performance are provided to the parents. They can also get information through the online portal PACO. Parent-Teacher Association meetings are conducted every semester by all the schools; the parents get an opportunity to meet the faculty, class coordinators and faculty advisors during these meetings and their feedback is also taken. Immediate steps are taken to address the grievances aired by the parents. Parents also play an active role as members of various committees of the institution.

6.13 Development programs for the support staff

Various initiatives have been taken for the development of the support staff. The following programs have been organized for the growth of the staff:

➢ Digital Literacy and the use Microsoft Office package

➢ Communication Skills

➢ Awareness on ESI

➢ Yoga and Meditation classes

➢ Fire Safety measures

➢ Road Safety for Drivers

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

The institution is committed to maintain an campus Eco-friendly campus. Many initiatives have been taken towards achieving this. Green Army, a student club, composed of a group of student volunteers is responsible to keep watch on the judicious use of resources (energy, fuel and food) and upkeep of clean and green environment. The motto of the Green Army is "To educate young minds to exhibit environment friendly habits with technical skills". The broad objectives of the Green Army are to:

• Ensure judicious use of resources so as to minimize energy consumption.

• Ensure litter-free environment inside the campus.

• Organize events in line with "*Swachh Bharath Abhiyan*" campaign within and outside the campus under the leadership of faculty members.

• Educate and advice students to follow environment-friendly practices inside and outside the campus.

• Report to the Green Team Faculty Advisers if any abuse of environment on campus is observed.

**Other Initiatives taken by the Green Army**

Sustainability policy of the institute was developed to achieve carbon neutrality and to reduce the environmental impacts. The initiatives that have been implemented are:

1. E-waste management and green computing

2. Development of green lawn.

3. Green Audit for Carbon Neutrality.

4. Energy audit

5. Use of Renewable Energy such as Solar Energy with the installation of 200KW solar systems

6. Active Tree plantation initiatives during various campus events.

7. Rain Water Harvesting by constructing check dams.

8. Water Recycling.

9. Landscaping and Renovation of old buildings.

10. Moving towards a plastic free campus

11. Installation of Solar Street Lights

12. Student Club activities to create environmental awareness among the student community; Environmental Science is also offered as part of the curriculum

The policy is communicated to all the concerned within the campus and reviewed periodically for its effectiveness with continual improvement.

- "Green Book", a compilation of green initiatives has been carried out within the campus.

- Solar Cities Program has been registered for the development of green campus with USC-MNRE.

- Campus Tree Care Plan has been formulated and necessary action has been initiated as per plan.

- Solid Waste Management Scheme, Liquid Waste Management Scheme and E-waste Management Scheme have been taken up effectively.

- Shop keepers inside the campus are informed not to use plastic bags, carry bags, plastic cups and plastic packing materials and burning of plastic materials is also strictly prohibited.

- The Institute is a plastic-free campus.

With all these efforts KARE is being ranked 6th at the national level on **World University Green Metric-Ranking-2017**, an initiative carried out  by the University of Indonesia and also ranked at 281 among world universities with an overall score of 4559 and ranked 25th among world universities under rural set-up.

# Criterion – VII
## Innovations and Best Practices

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

Innovative practices which created positive impact are as follows:
1. KARE introduced school system from July 2017 onwards. There are 11 schools for 28 departments. Administration of the departments has become easier due to the formation of Schools.
2. Research groups are formed in August 2017 to focus on research activities. There are 37 Research groups now, and each group has a coordinator to direct. The research output has shown improvement due to this focused approach.
3. Rubrics for monitoring the performance of Schools and Research Groups have been framed and implemented.
4. A fully flexible choice-based-credit-system (CBCS) was started from the odd semester of 2017. Students have more options now to choose and progress on their own interest and pace.
5. Class teachings are captured using the *Impartus* lecture capturing system and they are given to students through Intranet and Internet. This facility helps students to view the classes again and again at any time of their choice for better and clear learning. Examination results have been improved due to this facility.
6. Decided to make trail attempt on on-line evaluation of answer scripts.
7. Outcome Based Education is introduced in all UG and PG programs.
8. Practicing more Flipped classes.
9. Projects for benefitting physically challenged and direct social relevance are encouraged at all levels including funded projects, PG and UG projects.

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

| Plan of Action | Action Taken Report (ATR) |
|---|---|
| Flipped Classroom | Most of the departments practicing flipped classes seriously |
| Post-doctoral fellowship | Through the initiatives of Centre for International Relations steps are taken to increase number of Post-doctoral fellows |
| Theory with practical component courses | A class of courses called 'Theory with practical component' courses is added in the curriculum |
| Student quality circle | Students feedback on curriculum is considered |
| Target for research publications | Target for publication is fixed for departments based on faculty strength by IQAC in consultation with R&D office |

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

**Best Practice - I**
**1. Title of the Practice**
   Promoting socially relevant research and development

**2. Objectives of the Practices**
  The primary objectives of this practice are:
   1. To make research results benefit the public
   2. To promote business initiatives for the economic value of research and development

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3. To create state of the art infrastructure facility with industry collaboration for design and development of innovative products of national/international importance and societal needs
4. To create an entrepreneurial culture at the institution and support other institutions in the region, and also to promote the objectives of IEDC
5. To inculcate a culture of innovation driven entrepreneurship through student projects and encourages women to become entrepreneurs
6. To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and micro enterprises
7. To organize design contest, seminars, workshops and short-term courses to encourage students within the region to become innovators and entrepreneurs
8. To promote business activities for self-supporting of research and development

## 3. The Context

Scientific temper and societal relevance are the two main demands of research. Though there is a moderate correlation between quality and relevance, some of the researches may benefit society after a long-time (like 50 years). Some of the researches can be more focused on intellectual curiosity rather than societal relevance. Hence, it is reasonable to expect a good share of researches should have direct and immediate social relevance. The impact of an Institute is felt more when the socially relevant projects are conducted.

## 4. The Practice

KARE insists and encourages societal relevance continuously and this has been part of the mission statement. In the research topic section process and formulation of a research question, faculty members and students are asked to consider the expectations in terms of relevance to society. Faculty members are evaluated annually based on projects they conducted. The UG undergraduate curriculum has *Community Service Project* in two phases which are conducted in two consecutive semesters. It is mandatory for all the Engineering UG students to participate in these *Community Service Projects* and they carry 3 credits out of 160 credit requirements for graduation. In phase 1, students visit the neighbourhood, identify a problem, formulate a possible solution, and report. In phase 2, the solution will be implemented at lab scale or in the field. Best projects are rewarded every year. Students and faculty members are encouraged to take up socially relevant projects, develop products and apply for patents in all possible cases. Projects are introduced in the Engineering UG curriculum from the beginning through 'Laboratory with Project' courses.

## 5. Evidence of Success

KARE has an h-index of 51 which is a citation based indicator reflecting the impact in the society. In 2017-18, 24 patents have been granted and 24 patents have been published. There are 7 DST start-up NIDHI projects are funded and functioning.

**Year-wise Technical Outcome from Student Projects**

|  | Title of the project | Outcome in terms of product/process development | Current status of patent filed and social/economical relevance |
|---|---|---|---|
| **Year 2014-15** | | | |
| 1. | Smart revolution in agricultural process | To be commercialized | Patent filed, socially relevant |
| 2. | Low cost photomotograph for detecting thyroidism | Got fund from DST-NIDHI. Commercialization process is going on. | Patent filed, socially relevant |
| 3. | Semi-automated air filter cleaning device | To be commercialized | Patent filed, economically relevant |

| | | | |
|---|---|---|---|
| 4. | Recharging electronics cars with nozzle and horizontal wing turbine | To be commercialized | Patent filed, economically relevant |
| 5. | Manually operated single cylinder triple acting pump | To be commercialized | Patent filed, economically relevant |
| **Year 2015-16** | | | |
| 6. | Point of sale (*an app for small business*) | To be commercialized | economically relevant |
| 7. | Design of economically feasible fluoride removal unit | To be commercialized | socially relevant |
| 8. | Efficacy of bio control agents *viz Pseudomonas sp* and T*richodermasp* and control of onion diseases | Got fund from DST-NIDHI. Commercialization process is going on. | Patent filed , socially relevant |
| 9. | Implementation of highly automated UAV with GPS for product delivery | To be commercialized | economically relevant Patent filed |
| 10. | Indexing in milling: A Geneva mechanism approach | To be commercialized | Economically relevant Patent filed |
| **Year 2016-17** | | | |
| 11. | Beneficial enzyme for bio processing agro industrial waste | To be commercialized. Applied for start-up NIDHI. | Economically relevant |
| 12. | Noise Reduction in Muffler of the exhaust System | Got fund from DST-NIDHI. Commercialization process is going on. | Patent filed, economically relevant |
| 13. | Coin based mobile charger | To be commercialized | Economically relevant patent filed |
| 14. | Smart water supply management system | To be commercialized | Socially relevant |
| 15. | Fabrication of multipurpose bolt & nut remover and joiner | To be commercialized | Economically relevant |
| **Year 2017-18 (Current)** | | | |
| 16. | Design and implementation of low cost veterinary physiological monitor | To be commercialized. Applied for start-up NIDHI | Socially relevant |
| 17. | Fabrication of fixture to perform turning in abrasive water jet machine | To be commercialized | Economically relevant |
| 18. | Polyethylene glycol coated prosthetic heart valve– A novel coating materials | To be commercialized | Economically relevant |
| 19. | Biodegradable packaging film from food waste | To be commercialized | Socially relevant |
| 20. | Smart hat for visually challenged person | To be commercialized. Applied for start-up NIDHI | Patent filed, socially relevant |

**Start-up NIDHI (2017–18)**

| S. No | Project Title | Student Name | Company Name |
|---|---|---|---|
| 1. | Noise reduction in muffler | AdhijaganathaPerumal B. Nithish P | NAV Mufflers Pvt .Ltd |
| 2. | Production of biofungicide with earthworm | Antara Roy B. TajSabreen Kota DurgaPravalliua | IWO Biosciences Pvt. Ltd |

| 3. | Beneficial enzyme for bio-processing of agro industrial waste | G. Santhana Krishnan Sweetha. MahabobNisha | SKIM Biotech Pvt. Ltd |
|---|---|---|---|
| 4. | Smart cart for super market | V. Ramachandran PemmasaniManoj Kumar Vengat Rahul | Yugti Smart Solutions Pvt. Ltd. |
| 5. | Efficacy of bio control agents viz. *Pseudomonas sp* and *Trichodermasp* and control of onion diseases | Priyanga.V. B.Rakshana Radha Lakshmi C Adhvidha | RingarrBiocontrolPvt. Ltd |
| 6. | Design and development of low cost photomotograph for identification of thyroid dysfunction | N. Pothirasan V. Muneeshwaran R. Raja Sudharsan | Raj Bioelectronics And Intelligent Pvt. Ltd |
| 7. | Low cost high performance inverter | Saurabh Kumar Sharma N.RagupathiMuthu Arunkumar | MinniayalPvt. Ltd |

| S. No. | Description | Count/Value |
|---|---|---|
| 1. | Total number of projects supported so far | IEDC          – 5 DST-NIDHI     -  7 |
| 2. | Total fund provided, so far | IEDC            - Rs 8 lakh DST-NIDHI     - Rs 70 lakh |
| 3. | No. of patents filed by students | 15 |
| 4. | No. of companies/start-ups by students | 25 |

**6. Problems Encountered and Resources Required**
1. Fund for research and product development at various levels
2. Constraints on matching the expertise and the resources available for research

**Best Practice - II**
**1. Title of the Practice**
IOS (IQAC online system): An in-house software developed by the IQAC

**2. Objectives of the Practices**
The primary objectives of this practice are:
1. To create a central database of the various activities
2. To inculcate a culture among faculty members to participate in serious academic events
3. To make all the faculty members to participate in various professional development activities
4. To permit on-duty leaves without spoiling regular academic activities
5. To facilitate sharing of information
6. To organize seminars, workshops, conferences and guest lectures with outcome assessment

**3. The Context**
The office of IQAC has developed a software IQAC Online System (IOS) to facilitate data collection from various users such as faculty members, students, cell-program-coordinators (Cell-PCs) of various schools and departments and centres like IEDC, IRC, IQAC, and R&D.

**Users of IOS**
1. Directors of centres like IEDC, IRC, IQAC,R&D
2. Heads of Departments.

3. School Deans
4. Student Quality Circle Members
5. Faculty Members
6. IQAC staff

**Type of Data Collected through IOS from Departments / Schools**
1. Faculty member contributions
2. Student acheivements and awards
3. Research and consultancy activities from faculty members and students
4. Events organization details like funding agencies, outcome of event, feedback from expert, feedback from students
5. Industrial visit by faculty members and students

**Type of Data Collected through IOS from Centres**
The contributions and activities of centre in terms of professional and research development from the IRC, n-CARDMATH, NI-Technologies, TIFAC CORE, FACLT, National Cyber Defence Research Centre, IEDC. Separate log-in access is given to each centre for uploading the data.

**Type of Data Collected through IOS from Clubs/ Chapters**
The contributions and activities of various clubs like NSS, NCC, Photography Club, Sports, YRC, Green Army, Nature Club and Tamil Mandram. Separate log-in access is given to each club for uploading the data etc.

**Type of Data Collected through IOS from Members of Student Quality Circle (SQC)**
Feedback from the student members of SQC of various departments and schools is obtained, based on the following criteria
1. Theory with practical component courses
2. Laboratory with project courses
3. Soft-skill training
4. Placement training
5. General feedback
6. Community Service Project (CSP)

**4. The Practice**
IOS has various categories for the collection of data as follows:

**EOPAS (Event Organization /Participation Approval System)**
EOPAS has been developed to facilitate faculty members to get online based approval for participating or organizing events. It helps record such activities after their completion. The events include FDPs, workshops, seminars, industrial visits, on-line courses; serving as resource persons, research supervision etc. Further, participation and organizing of centre and club related events have also been recorded by this system.

**CPIMS (Cell-PC Information Monitoring System)**

CPIMS has been developed to support departmental level Cell PCs to upload and track students' participation in various events through online.



**SQC (Students Quality Circle Information System (SQCIS)**

SQCIS was developed for SQC members of every department. It helps the students to give online feedback about the teaching learning process on 24x7 basis.

**FAMS (Faculty Advisory Monitoring System)**

The Faculty Advisors (Faculty member who act as mentor to students) can monitor the performance in both CGPA and Non-CGPA courses of their wards through this system.



### 5. Evidence of Success

The evidence of success noted by the increase in collection of data when compared to previous academic years whereas the happiness index of the faculty is also increased by means of going for full automation. Students can give their feedback at their own free time which again increased the volume of feedback. The collected data and feedback are useful for future planning and setting the targets.

### 7.4 Contribution to environmental awareness / protection

1. Conducted awareness programs on rainwater harvesting and waste management in nearby communities
2. Tree plantation in the campus
3. Enhancement of solar power production by installing more facilities
4. Installation of more number of LED and energy efficient light fittings in the campus
5. Minimizing use paper by e-governance in the campus
6. Campus is plastic free as much as possible
7. KARE has been ranked 6th at the national level on World University Green Metric-Ranking-2017, an initiative carried out by the University of Indonesia and stands at 7th rank in SWACHH Campus Rankings 2018 under the category 'Technical Institutions/Universities (Residential)'.

**7.5 Whether environmental audit was conducted?** Yes

**7.6 Any other relevant information the institution wishes to add. (For example SWOT Analysis)**

**SWOC Analysis of KARE**

**Strength**
1. Number of Ph.D. qualified faculty members on rolls and a sizable increase in the quality of publications
2. Strong infrastructure in the campus – laboratory equipment beyond curriculum
3. NIRF ranked institute in the south Tamilnadu
4. Regular updating of curriculum and syllabi
5. ICT facilities including the lecture capture system and LMS
6. The IQAC metrics and rubrics stand as a role model
7. e-governance for teaching academic processes, examination processes, student support, hostel administration, and transport administration
8. Institutional scholarships
9. Placement record

**Weakness**
1. Could not attract good quality and foreign faculty members due to rural location away from industrial centres
2. Difficult in attracting more number of higher quality students
3. Finding it tough for student and faculty member exchanges with reputed universities

**Opportunities**
1. Improved research ambiance
2. Increased collaboration with reputed national and international institutes
3. Increased collaborations with industries

**Challenges**
1. Lesser demand for PG courses
2. Attraction and retention of faculty members of higher calibre.

## 8. Plans of Institution for next year
1. Digital evaluation of examination answer scripts
2. Improvement of publication metrics – with research incentives for publications and patents
3. More funding for research and increasing consultancy
4. Effective admission strategies
5. Setting up of a data-centre
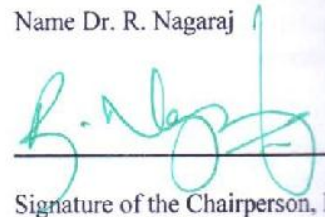6. Providing/Enhancing urban amenities in the rural surroundings

Name Dr. C. Sivapragasam

Signature of the Coordinator, IQAC

Name Dr. R. Nagaraj

Signature of the Chairperson, IQAC

**Annexure I**

**Abbreviations:**

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

# IQAC CALENDAR FOR ACADEMIC YEAR 2017-2018

| S.No | Month | Activity |
|---|---|---|
| 1 | **July 2017 & August 2017** | Collection of action plan from all the departments and approval of the same. |
| | | Auditing of:<br>1. In plant training<br>2. Theory with practical component course<br>3. One credit course<br>4. Online courses<br>5. UG/PG Project auditing<br>6. Lab with mini project auditing<br>7. Question paper auditing for SSE-I |
| | | Preparation of AQAR for academic year 2016-17 |
| | | Information dissemination:<br>1.Weekly Metrics score of departments<br>2.Monthly e- newsletter |
| | | In- house meeting for the first quarter |
| | | Students Feedback phase-1 |
| | | Student Quality Circle meeting- I |
| 2 | **September 2017 & October 2017** | IQAC External Meeting – first quarter |
| | | Administrative Auditing of:<br>1.R& D office<br>2. IR office<br>3. COE<br>4. Consultancy<br>5. Students Affair<br>6. FALT |
| | | IQAC Day Celebration |
| | | Students Feedback phase-II |
| | | TPO feedback |
| | | Exit survey/Alumni feedback |
| | | PTA meeting feedback analysis |
| | | Information dissemination:<br>1.Weekly Metrics score of departments<br>2.Monthly e newsletter |
| | | Question paper auditing for SSE-II and SSE-III |
| | | Submission of AQAR for academic year 2016-17 |
| 3 | **November 2017 & December 2017** | In house meeting for the Second quarter |
| | | NIRF data preparation and submission |
| | | Student Quality Circle meeting- II |
| | | Result Analysis |
| | | IQAC External Meeting – Second quarter |
| | | Information dissemination:<br>1.Weekly Metrics score of departments<br>2.Monthly e newsletter |

| S.No | Month | Activity |
|---|---|---|
| 1 | **Jan 2018 & Feb2018** | Auditing of:<br>1. In-plant training<br>2. Theory with practical component course<br>3. One credit course<br>4. Online courses<br>5. UG/PG project auditing<br>6. Lab with mini project auditing<br>7. Question paper auditing for SSE-I |
| | | Information dissemination:<br>1.Weekly Metrics score of departments<br>2.Monthly e newsletter |
| | | In house meeting for the third quarter |
| | | Students feedback  phase-1 |
| | | Student Quality Circle meeting- IV |
| 2 | **Mar 2018 & April 2018** | IQAC External Meeting – third quarter |
| | | Administrative Auditing of:<br>1.R& D office<br>2. IR office<br>3. COE<br>4. Consultancy<br>5. Students Affair<br>6. CLT |
| | | Student Quality Circle meeting- V |
| | | Students Feedback  phase-II |
| | | TPO feedback |
| | | Exit survey/Alumni feedback |
| | | PTA meeting feedback analysis |
| | | Information dissemination:<br>1.Weekly Metrics score of departments<br>2.Monthly e- newsletter |
| | | Question paper auditing for SSE-II and SSE-III |
| | | Student Quality Circle meeting- VI |
| | | Performance Appraisal Review |
| 3 | **May 2018 & June2018** | In-house meeting for the Fourth quarter |
| | | Student quality circle meeting |
| | | Result analysis |
| | | IQAC external meeting – fourth quarter |
| | | Information dissemination:<br>1.Weekly metrics score of departments<br>2.Monthly e- newsletter<br>3. Annual report (first draft) |