



KINGS

COLLEGE OF ENGINEERING

Punalkulam, Gandarvakottai Taluk

Pudukkottai Dist – 613 303

www.kingsindia.net,

(Approved by AICTE, Affiliated to Anna University)



**The Annual Quality Assurance Report (AQAR) of the IQAC
2017-2018**

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)
BANGALORE**

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PART-A

I. Details of the Institution

1.1 Name of the Institution	KINGS COLLEGE OF ENGINEERING
1.2 Address Line 1	Punalkulam
Address Line 2	Gandarvakottai Taluk
City/Town	Pudukkottai District
State	Tamil Nadu
Pin Code	613303
Institution e-mail address	principal@kingsindia.net, principal@kingsengg.edu.in
Contact Nos.	9442590002, 9894726897
Name of the Head of the Institution	Dr.J.Arputha Vijaya Selvi
Tel. No. with STD Code:	04362-282474
Mobile:	9442590002
Name of the IQAC Co-ordinator	Ms.K.Abhirami
Mobile	9841013972
IQAC e-mail address:	iqac@kingsindia.net , iqac@kingsengg.edu.in
1.3 NAAC Track ID	TNCOGN26260
1.4 NAAC Executive Committee No. & Date	F.19.26/EC(SC-17)/DO/2016/100.1 & 19 th Sep 2016

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

Anna University, Chennai

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

Nil

2. IQAC Composition and Activities

2.1 No. of Teachers

5

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

1

2.6 No. of any other stakeholder and
Community representatives

2

2.7 No. of Employers/ Industrialists

1

2.8 No. of other External Experts

1

2.9 Total No. of members

18

2.10 No. of IQAC meetings held

6

2.11 No. Of meetings with various stakeholders

Faculty

6

Non teaching Staff / Students

6

Others (PTA-2, GC-2, External Expert-1, Alumni-1)

6

2.12 Has IQAC received any funding from UGC during the year?

No

2.13 Seminars and Conferences (only quality related)

√

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

Total Nos.

14

International

National

State

Institution Level

14

(ii) Themes

1. Interactive Teaching Learning Practices
2. Learning Outcome Assessment & Analysis
3. Technologies in Higher Education
4. ISO Awareness Programme
5. Micro Teaching and Classroom Management

2.14 Significant Activities and contributions made by IQAC

- **Strengthening Teaching-Learning practices**
 - Identification of **promotional activity for advanced learner & support for slow learners** initiated. **Course File structure** was **revised** including the components.
 - **Professional and Career Enrichment (PCE) skills** was suggested / tracked by the IQAC member for the courses departmentwise. PCE skill activity supports in course outcome (CO) attainment.
- **Promotion of ICT** in Teaching Learning process
 - Minimum 1 **NPTEL session** was mandated in course plan. Classwise tracking of NPTEL session was made by department IQAC member ensuring lecture session of eminent expert is blended in the curriculum delivery.
 - Classwise **Virtual Lab session** was identified and was mapped to the curriculum. Conduct of the session was ensured by IQAC team thereby ensuring high-end learning atmosphere for students.
- **Review , Analysis and report generation** : Review and elaborations was made at Staff Council Meeting (SCM) regarding conduct of programmes / academic initiatives. Members of SCM participated in the planning and review process of all academic routines that includes
 - Student Enrichment initiatives
 - Student support initiatives
 - Department Review Meeting
 - Faculty advisor review meet
 - In_house training & Faculty visit to factory schemes
 - Student Profile Analysis, Entry Level Analysis
 - Department progression - Best Department award (criteriawise score and performance)
- **Spoken Tutorial Workshop series** in Association with IIT, Bombay (24 workshops) on various FOSS titles was organized by the team.
- **Internal Assessment Question paper** was verified by the respective IQAC member of the department for its conformance to Bloom Taxonomy.
- **Strengthening of Stakeholder interaction**
 - **Student quality circle** was constituted. Student members from every class was identified for direct interaction meet with Principal. Periodically quality circle meet was organized. Issues and representations made by the members were genuinely addressed ensuing students requirements are met.

- **Alumni interaction session** was organized periodically. Minimum 2 per department per year was planned. Alumni members representing industries were invited periodically to share industry requirements and guidance.
- **Parent Teacher Association** meet was organized per semester as a regular practice. Suggestions made by parents was addressed. In addition, regular letter communication regarding student performance is also done.
- **Institute Level Coordinators** were assigned various responsibilities to plan and execute overall activities. Semesterwise Plan of action was submitted by the members. Review on the completion of activities was made at the end of academic year.
- **Academic Audits** were conducted periodically reviewing student progression in internal assessments, maintenance of academic records.
- **ISO internal audit** overall findings and recommendations for improving the efficiency of institutional processes was contributed by the team..
- **Regular planning** on preparatory works for the semester like Question bank, Lab Manual, Course Plan, Learning material and audit schedule for end-semester to ensure completeness of all process as per set standards are coordinated.
- **Highlights of Anna University Regulations 2017** and yearwise initiatives that shall be made to cope up with student enrichment initiatives was compiled. Detailed discussions and vital clauses was identified for suitable followup and action.
- **Review of IQAC Composition** was made to strengthen the overall objective of the Cell.

2.15 Plan of Action by IQAC/Outcome : **Annexure-I**

2.15 Whether the AQAR was placed in statutory body

Yes

Management

Syndicate

Any other body

Provide the details of the action taken : AQAR was approved by Management.

PART- B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	3			
PG	5			
UG	5			2
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	13			2
Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: **Elective option**

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	10
Trimester	-
Annual	-

1.3 Feedback from stakeholders* (On all aspects)

Alumni Parents Employers Students
 Mode of feedback : Online Manual Co-operating schools (for PEI)

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

Regulations 2017 - For the students admitted from the academic year 2018-2019 onwards

Salient aspects of Regulation 2017:

- PEO, PO, PSO, CO, CO_PO mapping are mentioned in the curriculum design by the University
- Categorization of courses that includes Open elective, Employability enhancement skills
- Personality and Character development participation mandated and credited in mark statement
- Industrial training / internship mandated during summer / winter
- 1 industrial visit for every year from second year onwards
- Value Added Course for a credit of 2 and credited in mark statement
- 1 Online course mandated
- Examination registration limited to 36 credits and reappearance of exams only during subsequent semester in which course is offered. Flexibility to drop courses for exam registration.
- Theory courses with laboratory component and the internal evaluation for the course

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

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
120	131	10	05	-

2.2 No. of permanent faculty with Ph.D.

11

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
06	-	-	-	-	-	-	-	06	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	1	-
---	---	---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	-	-	-
Presented	39	35	-
Resource Persons	02	-	-

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

- **Academic calendar** acts as the framework for actions for the semester, guides faculty, student related activities.
- Systematic approaches in organizing **curriculum enrichment activities** are regularly practiced. Practice includes organizing the listed events inviting external resource persons from Academic and Industries
 - Guest Lectures, Workshops, Seminars
 - Bridge course, Orientation programmes
 - My credit course
- **Well structured Course Plan** emphasizing appropriate teaching methodology, references for preparation, assignment guidelines and assessment coverage gives an overview for the course to the learners. Experience summary (Review sheet) recorded at the end of course completion paves better approach in course delivery planning for subsequent faculty handling the course. Promotion of NPTEL videos, OER, Virtual lab sessions, CBT sessions in Teaching provides opportunity for better learning
- **Content Beyond Syllabus** component is mandated for all courses (including practical courses) covering Case Study / Application / Real-Time Illustrations etc.
- Efforts are inline to ensure attainment of **Course Outcome** for the courses.
- **Assignment Presentation Hour (APH)** for the courses provides platform for students to exhibit technical & presentation skills
- **In-House Training, Faculty-visit-to-Factory schemes** impart industrial exposure to Students and Faculty members.
- **Effective system of remedial classes** are conducted to support slow learners progression in studies.
- Final year project works are demonstrated for Junior classes promoting peer learning.
- **Interactive Teaching-Learning practices** are adopted by faculty members during Lecture sessions motivating active student participation.

- **Regular review and interactions** with students to identify academic requirements are planned and executed.

- **Alumni** from industries are invited for technical sessions and motivational sessions

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

143

2.8 Examination/ Evaluation Reforms initiated by the Institution

- Question papers are scrutinized by the IQAC team ensuring standardization.
- Question paper pattern for Internal Assessments was revised.

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

02

2.10 Average percentage of attendance of students

88

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E. Civil Engineering	117	-	73	27	-	64
B.E. Computer Science and Engineering	34	-	73.6	26.3	-	55
B.E. Electronics and Communication Engineering	43	3.03	90.09	6.06	-	76.74
B.E. Electrical and Electronics Engineering	27	-	55.5	44.4	-	66.6
B.E. Mechanical Engineering	121	-	93.4	6.6	-	50.4

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

- **ICT enabled teaching-learning practices** are adopted to instil enhanced learning.
- **Academic Audits** are conducted periodically as per schedule to monitor Teaching-Learning examining Syllabus completion & effectiveness, Internal assessment performance of students
- **Academic committees** are functioning to ensure Teaching-Learning activities are carried out as per the guidelines set.
- **Feedback** from students examining Teaching-Learning strategies, impact created are identified per schedule. Appropriate follow-up actions are made to meet requirements. Identified gap

areas are put forth in the Staff Council Meet / direct meeting with respective member and necessary rectifications are planned to resolve.

- **Quality Circle meet** serves as a forum to identify student expectations and thereby appropriate measures are taken to strengthen teaching-learning processes.
- Report analysing the teaching-learning activities are made to identify progression and continuous tracking.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	1
Faculty exchange programme	-
Staff training conducted by the university	12
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	38
Others	FDP-7 Internal Seminars – 14 External Seminar-6 ISTE staff seminars - 10

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	25	-	-	-
Technical Staff	41	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

The institution has a research committee to promote research activities among faculty and students. Principal is the Chairman of the research committee, Convener is the Vice-Chairman, Department Research Coordinator (representative from every department) IQAC and Department Research Coordinator

- Institute level Research Committee organizes seminars and workshops periodically instilling the culture of Research and to support research initiatives.
- Periodical meetings are held to plan and promote research initiatives.
- Faculty and students are encouraged to submit proposals seeking fund for project works.
- Best Department Award and Faculty appraisal system promotes faculty research and credits initiatives taken.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	1
Outlay in Rs. Lakhs	-	-	-	68,72,600

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	24	-	-
Non-Peer Review Journals	26	-	-
e-Journals	-	-	-
Conference proceedings	45	109	-

3.5 Details on Impact factor of publications:

Range	0.3-1.4
Average	0.8
h-index	10
Nos. in SCOPUS	24

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	-	-

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

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

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	5	-	-	-
Sponsoring agencies	-	Self	-	-	-

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College
 Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	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
2	-	-	1	-	-	1

3.18 No. of faculty from the Institution who are Ph. D. Guides

and students registered under them

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
 National level International level

3.22 No. of students participated in NCC events:

University level State level
 National level International level

3.23 No. of Awards won in NSS:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="1"/>	International level	<input type="text" value="-"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="1"/>	International level	<input type="text" value="-"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="-"/>	College forum	<input type="text" value="2"/>		
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="4"/>	Any other	<input type="text" value="5"/>

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

- **ISRO Propulsion Complex, Mahendragiri associated National Level Project Expo** was organized during Mar'18. Students from various engineering colleges exhibited their innovative project works. Experts from reputed academic institutions and industry evaluated project works and best projects were given cash award and certificates.
- **Kings Space Expo** was organized in association with **ISRO Propulsion Complex, Mahendragiri** during Mar'18. Initiatives and Models of ISRO was exhibited and presented for students. Around 5,000 students from various schools and colleges participated in this mega event.
- **Camps organized**
 - Blood donation camp (2)
 - Eye screening camp(2)
 - Clean Camps at various villages
 - 7 day camp at neighbouring villages with specific agenda for the day
 - Passport camp
- **Awareness session**
 - Dengue awareness session
 - Family welfare and law
 - Awareness session "Conservation of Manuscripts"
 - National Leprosy eradication programme
 - Bio Farming in Education
 - AIDS awareness session
- **Technical workshop** sessions on various titles by engineering departments for polytechnic students was organized
- **Career Guidance programme – Success 2017 in association with Dinamalar** to motivate +12 students appearing for board examination was organized. Around 850 school students participated in the programme.

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	194653sq.m (land area) 38405.2sq.m (builtup area)	-	Self	194653sq.m (land area) 38405.2sq.m (builtup area)
Class rooms	49	-	Self	49
Laboratories	32	-	Self	32
Seminar Halls	4	-	Self	4
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	6563372	337201	Self	6900572
Value of the equipment purchased during the year (Rs. in Lakhs)	14598790	384445	Self	14983235
Others	24530810	8353445	Self	32884255

4.2 Computerization of administration and library

Automation of academic and library transactions is incorporated

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	19080		738		19818	
Reference Books	9412		186		9598	
e-Books	1133		35		1168	
Journals	85	257415	-		85	257415
Periodicals	12	21500	-		12	21500
e-Journals						
1. DELNET	680	13570			680	11500
2. PROQUEST	102	66500			102	66500
3. BRITISH & OTHERS	10	4340			10	4340
4. SPRINGER	49		120	125866	169	125866
Digital Database	28492		924		29416	
CD & Video	1226		285		1511	
CD JOURNALS	625		203		828	

4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	562	478	100Mbps	-	-	18	24	42
Added			-	-	-	-	-	-
Total	562	478	-	-	-	18	24	42

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

- Regular time-table includes slots for Library & Internet access. Students visits internet lab and library in addition to the allotted slots also. This practice insists students individual learning as well as keep upgraded to the latest trends. Computer Centre at all departments has internet connectivity. Hence, student and staff members are given opportunity for accessing the needed resources from internet for knowledge expansion.
- During Bridge course, I Year students are giving training on “Basic Computing Skill” that includes Word Processing, Power Point Presentation, E-Mail and web access etc.
- Group Communication is activated and e-learning materials are shared through groupid. Students are given exposure to accessing web resources.
- Details of Centralized library upgradations are circulated among staff and students.

4.6 Amount spent on maintenance in lakhs :

i) ICT	69,749.00
ii) Campus Infrastructure and facilities	-
iii) Equipments	90,050.00
iv) Others	6,550.00
Total :	1,66,349.00

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- During Induction Day, Student support facility and enrichment initiatives practiced at the institution is briefed to the freshers and parents.
- Institute caters to the needs of deprived communities and low-income groups. Necessary guidance and support is provided to the students to undergo their education by way of various scholarships offered. Details of Govt. Scholarships, Management and other scholarships are communicated to students during Induction programme and through periodical circulars.
- Details pertaining to student support services are circulated to classrooms and displayed at noticeboard.
- System of structured feedback mechanism is administered to identify the reachability of student support services, helps in improving the services and for future planning
- Library user services, addition of resources, access procedures are disseminated to students through circulars periodically.
- Internet facility with wi-fi connection is available to support enriched learning experience for the students. Regular time-table includes slots for Library visit and Internet lab access.
- Value addition initiatives like My Credit course, Refresher courses etc., are organized to support final year students for placement opportunities. Effectiveness of such programmes are ensured through appropriate feedback mechanism / verification process.
- Professional society activities, Student Committees and Club initiatives are circulated and posted at Student Notice board for reference and encouragement for participation.
- Special coaching classes are organized for Mathematics, problem based courses and other tough courses during extended hours.
- Quality Circle meet, Grievance redressal cell helps in identifying student requirements and necessary steps are taken to support.
- Student association and professional societies organizes various programmes to widen the exposure and exhibit the skills of the students. Programme information / brochure are displayed at noticeboard.

5.2 Efforts made by the institution for tracking the progression

Student regularity in attendance, performance in Internal Assessments, Laboratory & classroom interaction helps in identifying potential learners and slow learners. System of continuous evaluation and assessment procedure helps in tracking the student progression in studies during the programme period. Based on the results (Internal, External) slow learners are identified. Remedial classes are planned during extended hours / Saturdays / end of syllabus completion to support them for betterment. Overall student progression is also tracked through systematic strategies deployed.

- **Tracking by Course incharge & HoD**
Course in-charges track the performance of students in internal assessments. Test report keeps track coursewise progression. Course incharge identifies the slow learners and provides suitable support to slow learners. HoD monitors the progression and suggests suitable remedial plan for improvement.
- **Academic Audits**
Result Review Meets are organized after internal assessments and university results publication. Performance analysis is made and gap areas if any will be identified. Remedial measures are planned for improving student performance. Comparative performance analysis are also made which helps in better planning for subsequent academic sessions.
- **Following reports are generated to assess student potential and performance tracking**
 - Entry level cut off range
 - Internal assessment reports
 - Semesterwise result analysis including course outcome reports
 - Placement records
 - Graduation rate
 - Best Department award

Suitable steps are taken for improvement at required stages based on the report findings.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1280	21	01	-

(b) No. of students outside the state

3

(c) No. of international students

-

Men	No	%	Women	No	%
	874	67		427	33

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
77	161	-	1276	-	1514	65	122	-	1114	-	1301

Demand ratio

1.30

Dropout %

3.6

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

The efforts are being carried out by the institute to improve the employability of the students and undergo higher studies for the aspirants. Programmes on career guidance, Higher studies Orientation sessions, Technical training sessions are conducted to guide students.

- Programmes are organized inviting experts from various forums. Regular classes are conducted for GATE and other competitive exams for III Year students and IV Year students.
- Departmentwise coordinator will prepare schedule and classes will be conducted. Overall coordinator will monitor the conduct of classes and track student participation.
- Adequate resources are stacked at Central library to support preparations and Online resources access is also encouraged.
- Department of Training & Placement imparts regular softskill and aptitude skills training to students.

No. of students beneficiaries

GATE : 113

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

System of Counselling practiced at KCE gives attention to upliftment of all category of students. Regular slots for counselling is planned at Academic calendar. In addition to these slots, faculty advisors interact with their wards and motivate them for progressions.

Faculty advisor takes the responsibility of providing individual care and attention to their wards. Every faculty is assigned mixed group of students (slow, average and advanced). Faculty advisor will track academic progression of their wards. Interacts with wards and if any difficulties are found helps in resolving. Suitable motivations for curricular, co-curricular activities and achievements are triggered. Any difficulties in course subjects will be reported through HoD for suitable support. Student requirements sought during counselling sessions will also be discussed and addressed during SCM.

Periodically, Career guidance programmes are organized through Training and placement cell. T&P hours imparting training on soft skills and aptitude are organized for II- IV year classes regularly. External experts are also invited to guide students. For final year students, exclusive 1 week training programmes are organized during VIII semester. Training includes aptitude and technical skills. Online screening and mock tests are also conducted for final year students.

No. of students benefitted (Counselling)

100%

5.7 Details of campus placement

	<i>On campus</i>		<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
11	342	223	-

5.8 Details of gender sensitization programmes

Women cell empowers girl students and lady faculty members. Women cell organizes programmes periodically imparting self-confidence, health awareness among women faculty and students. Programmes are organized inviting external experts.

5.9 Students Activities

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

State/ **University level** National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	509	1,17,19,100
Financial support from government	847	2,43,60,475
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To impart globally competitive technical education, enhance human values and to provide a research atmosphere to the socially challenged aspirants.

Mission

Providing a comprehensive theoretical foundation, inculcating state of art engineering practices and cutting edge research ambience that lead to societal upliftment with ethical values through effective teaching – learning methodologies and appropriate Information Communication tools via dedicated faculty to the aspirants

6.2 Does the Institution has a management Information System

Institute functioning is automated supporting academic and financial activities in an efficient manner.

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

- Systematic approaches and strategies set by the institute encompassing academic activities that aims at overall student progression and attainment of educational objective is sustained. Progression tracking mechanism helps in analyzing the performance and necessary measures are incorporated to support further improvements.
- Ascertaining the educational objective, academic calendar is planned scheduling all activities at the beginning of every academic semester. Plan of action and target is set by the respective heads / conveners / coordinators to support the academic routines. Encouragement and motivations are provided at all stages for implementation
- Strategies for all activities are derived considering the inputs of the stakeholders. Academic audit and review meets are held to analyze the performance.
- Operational issues and outcome analysis for every stage will be addressed at Staff council meet. Based on the interactions & inputs, suitable corrective measures are proposed and implemented

6.3.1 Curriculum Development

Being an affiliated Institution, curriculum and academic schedule as prescribed by Anna University is followed.

- Course plan structure prepared by the faculty members includes effective teaching methodology incorporating interactive teaching learning practices. Bridge courses are organized to meet pre-requisites. To augment the curriculum, various enrichment programmes like Guest Lecture, Workshop and Seminars are organized inviting experts from academia and industry.
- ICT enabled Teaching-Learning initiatives like A-View sessions, NPTEL sessions, other reputed Institutional Video sessions supports better knowledge acquisition process.
- Content Beyond Syllabus component for all theory courses includes Case study presentations, Application oriented sessions. Laboratory courses also include additional experiment covered as content beyond syllabus for enrichment
- Domain specific Skill oriented course (MCC) to equip students with industry required skills is organized during final year. My Credit Course is designed by faculty members based on student preferences. MCC course serves as Value addition to the students
- Department of Training & Placement offers structured placement training to students. T&P Hours are allotted in regular time-table. Semesterwise manual is prepared and utilized towards equipping students with aptitude skills. In addition to internal training on softskills, external expert training sessions are also organized during final year study period.

6.3.2 Teaching and Learning

- Comprehensive Plan of Teaching, Learning & Evaluation schedule of the institution incorporates
 - Schedule for the Semester comprising all activities (Academic Calendar)
 - Schedule for Regular Classes (Time-Table)
 - Instructional & Delivery Plan (Course Plan)
 - Evaluation Procedure (Assessment & Evaluation schedule is included in Academic Calendar)
 - Review & Audit schedule after every assessment.
- Well structured Course Plan emphasizing appropriate teaching methodology, references for preparation, assignment guidelines and assessment coverage gives an overview for the course to the learners. Experience summary (Review sheet) recorded at the end of course completion paves better approach in course delivery planning for subsequent faculty handling the course.
- Committee comprising senior faculty team verifies course plan, question bank and lab manual, ensure the set standard is met. Learning material is distributed during semester commencement.
- Promotion of NPTEL videos, OER, Virtual lab sessions, CBT sessions in Teaching provides opportunity for better learning
- Interactive Teaching-Learning practices encourages student-centric activities in the process.
- Student feedback and expectations are sought regularly through various modes of interactions and necessary fine-tuning is made.
- Periodical review and audits are conducted to ensure the status of execution is as per set expectations of the process.

6.3.3 Examination and Evaluation

Vibrant Examination Cell of the institute supports transparent and rigorous assessment & evaluation process.

- Details on the Internal assessment procedures are disseminated through circulars, Institution' website, CCM, Class Coordinator, Faculty advisor and during SCC meet. Academic Calendar is circulated to departments for reference are made available at institution' website
- In addition to Internal Assessment I, II and Model examination, Week tests and class tests are conducted to track progression.
- Standard of Question paper is verified by IQAC team for its adherence to Bloom taxonomy level of attainment. Course outcome attainment is analyzed after end-semester examination result publications.
- Submission of question papers, corrected answer scripts are scheduled at academic calendar. Key for evaluation is prepared by faculty members and maintained at respective course files. Corrected answer scripts are issued to students for any clarifications. Students sign the scripts and coursewise scripts are stocked at CoE office.
- Result review meetings are organized after every assessment. Need based remedial measures are taken to support slow learners and for subjects with less pass percentage.

6.3.4 Research and Development

- Institute Level Research Committee functions with the objective of instilling culture of Research and Development among staff and students. Regular meetings are convened to review the progression. Faculty members are encouraged to pursue research, submit proposals and publications. Suitable guidance is provided for innovative project and in-house project works among students.
- Training programmes are organized periodically on various titles.
Number of workshops organized : 03
Number of seminars organized : 01
National Level Project expo : 01
State level project expo : 01
Participation in Smart India Hackathon : 06

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Library advisory committee recommends the necessary upgradations for Library and monitors the functioning, utilization
- Library information system automates the transactions and OPAC supports search for resources easily
- Newspaper clippings on education, science and technology, sports, competitive exams, placement details are displayed on the notice board. Displays of KCE events covered in media are made at notice board.
- Computing facility provides access to online journals. Transactions and other reference materials.
- Campus is equipped with 100Mbps internet connectivity and Wifi access.
- Seminar, Audio-Visual Hall, Conference halls are provided with Computer and network facility. LCD projectors support ICT enabled presentation at classrooms and AV halls.
- Uninterrupted power supply provides support for ICT system access without interruption.

6.3.6 Human Resource Management

- Culture of participative management is proactively promoted by the institution. The top leadership invites suggestions, incorporates them and gives autonomy to the faculty members and staff to perform their duties. At the same time, necessary review, audits are carried out
- Principal assigns specific duties to various academic and administrative bodies of the College.
- Heads of the Department are given operational autonomy to carry out departmental routines and thereby contribute in overall growth of the department.
- Each staff member is assigned with one or more responsibilities.
- Staff members are encouraged to pursue higher studies, research. Staff & student enrichment and accomplishments are credited for Best Department award. Hence, a competitive spirit prevails leading to individual and overall development.
- Performance based incentives are offered to encourage staff accomplishments & contributions.

6.3.7 Faculty and Staff recruitment

- Faculty positions are filled up as per regulatory authorities norms and guidelines. Vacancies are notified in newspapers and applications are received. Shortlisted candidates appear for interview before the selection committee. Committee convene interview and selects suitable candidates.

6.3.8 Industry Interaction / Collaboration

- Industry Institute Interaction Cell (IIIC) strives to establish network among industries and arrange 3 to 5 days of industry oriented training sessions to all pre final year students during vacation period. Students gain industrial exposure through this Industrial visit. Good track record of 100% In-House training is aimed and attained
- Faculty members visit industries to understand industry practices and requirements. All faculty members visit domain specific industries under Faculty-Visit-to-Factory (FVFS) scheme. IIIC aims at strengthening industrial relations.
- Industrial experts are invited periodically to impart exposure to students.
- Memorandum of Understanding is signed with industries and linkages are established for enriching experiences.

6.4 Welfare schemes for

Teaching	4,13,560
Non teaching	
Students	1,27,268

6.5 Total corpus fund generated

47,01,000

6.6 Whether annual financial audit has been done

Yes

No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO Certification agency	Yes	Internal committee
Administrative	Yes	CA	Yes	Administrative Officer

6.8 Does the University declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

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

Not applicable

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

Yes. University encourages autonomy status

6.11 Activities and support from the Alumni Association

- Alumni are invited for various technical events organized at the campus. Orientation sessions are also organized through Alumnus.
- Alumni feedback is collected through various modes and utilized for institutional planning
- Interactions are made through Institution' website, Alumni Meet and social networking media through Alumni coordinator
- Total number of Alumni interactions :10

6.12 Activities and support from the Parent – Teacher Association

- Active Parent-Teacher Association(PTA) is functioning to identify the expectations from the stake-holder on all aspects of the institution. PTA members meet as per schedule and share their opinion. Representations made by the PTA office bearers is recorded and carried forward to authorities for suitable follow-up. PTA meetings are organized every semester as per academic calendar.
- Periodically communication to parents through letters, phone call interactions are made. In addition to student performance in University exams, Internal assessments, attendance

record of the students, Major College events and happenings are also communicated. Schedule for University exams, Internal assessments are also communicated. Students absenteeism will be communicated to parents on regular basis as per necessity. This practice paves way of tracking regularity of wards by both college and parents.

- During PTA meet, departmentwise student achievements will be highlighted. Parents shall represent their view and suggestions. Feedback also collected from parents. Representations made by parents will be addressed suitably. Parents also meet respective HoD, Class incharge and course incharges as scheduled.

6.13 Development programmes for support staff

- Staff members are encouraged to pursue higher studies and attended programmes.
- Seminar sessions are organized bi-monthly on behalf of staff chapter on Technical and Non-Technical titles.

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

- Seminars and Awareness programmes were organized periodically towards nurturing environment. Programmes are organized by Eco-club to motivate students.
- Energy audit is conducted every year and measures to conserve electricity is advocated among students through awareness sessions.
- Tree saplings were planted at various locations by the students in memory of Dr.A.P.K.Abdul Kalam and on behalf of memorial club
- Rain water harvesting facility is maintained.
- NSS wing organizes awareness programmes, clean camps periodically to support maintenance of the campus.

Criterion – VII

7. Innovations and Best Practices

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

Sustaining to various best practices adopted by the institution, value additions introduced during the period resulted in progression in various activities.

Review & Audit

- In addition to regular academic audit reviewing progression in academics and staff accomplishments, Audit by External expert was organized during the year. Review based recommendations lead to
 - Exclusive mentoring and guidance subjects for mathematics courses
 - English Communication skills improvement programme.
 - Strengthening of Mentoring system

Stake holder interaction

- Quality Circle was constituted comprising students from every class to identify student academic requirements, facility utilization etc. Issues and suggestions raised during the meeting was resolved appropriately.

Academic practices

- Course outcome attainment analysis includes Professional and Career Enhancement component. PCE skills activity aimed at raising the level of the students and insisted for active student participation. PCE skills were identified based on student potential.
- Course outcome attainment based presentation was organized departmentwise to identify the potential of the students.
- Internal training sessions on teaching-learning practices and technologies in teaching was introduced to enrich staff experiences.

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

Annexure-I

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

Annexure-II

7.4 Contribution to environmental awareness / protection

- Institution has adopted eco-friendly practices and takes necessary steps towards energy conservation, rain water harvesting etc. Institution being aware of the responsibility of conserving the environment, has been practicing various measures to maintain the greeneries of the campus.
- The gardening and campus maintenance is carried out by a dedicated team of workers.
- The Institute encourages extension activities promoting environment protection, maintenance involving students and staff members.
- Awareness programmes are conducted regularly kindles interest in nurturing the nature. It has been observed that the programmes have created a positive impact on the beholder and helps in developing an environment-friendly attitude in one and all.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add.

- Institute is recognized under 2F and 12B act of UGC

8. Plans of institution for next year

- To strengthen Industry-Institute relationship through Linkages & MoUs with core industries
- To initiate NBA accreditation preparatory works.
- To strengthen Research and development activities

Name K. ABHIRAM

Name Dr. J. ARPUTHA VIJAYASELVI

K. Abhiram
30/1/19

J. Arputha Vijayaseelvi
30/1/19

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

PRINCIPAL
Kings College of Engineering
Punalkulam- 613 303.

Annexure-I

Plan of Action and Action Taken Report

Plan of action	Action Taken Report / Outcome
<p>To strengthen effectiveness and efficiency of institutional processes.</p>	<ul style="list-style-type: none"> • External Staff Review Meet was initiated. Committee comprising External HR member from industry and Internal members reviewed the performance of staff members. Recommendations made by the committee regarding strengthening of the following areas was incorporated during the period. <ul style="list-style-type: none"> ○ Improving Communication skills of the students – Regular slot involving student centric activities was organized. ○ Strengthening of Mentoring System ○ Additional coaching for mathematics and problem based courses – session was planned and guidance was provided. Mathematics faculty members were assigned additional Mentor role for the candidates finding difficulties. • Institute Level Committees , Cell and Clubs are functioning with the objective of academic and overall progression. Committees are directed to submit plan of action during semester commencement. Decentralized top-down disbursement of responsibilities, entrusting effective functioning giving equal opportunities to the individuals on turn basis is followed. The Principal holds regular meetings with the heads concerned and committee coordinators, to monitor the progress. <ul style="list-style-type: none"> ○ At the end of every Every semester committee review meet is organized. Committee present their report of activities and impact created. Review is made and updations are made if required to further strengthen the processes /activities.
<p>To strengthen stake holder interactions with the intention to enhance the educational objectives</p>	<ul style="list-style-type: none"> • Prime Stakeholder interaction (student) was given importance. Regular meetings was planned to identify students needs and difficulties if any. Quality circle was constituted comprising members from every class. Periodical meetings are organized to identify student expectations related to academics, facility and related matters. Issues represented during the meeting was addressed genuinely. • Alumni interaction sessions are organized periodically to expose students with industry expectations and gain

	technical expertise.
Plan of action	Action Taken Report / Outcome
To strengthen curriculum enrichment	<ul style="list-style-type: none"> • Efforts are taken systematically towards enriching curriculum content. <ul style="list-style-type: none"> ○ Orientation programme for first year students and suitable Bridge courses are organized during every semester commencement. ○ Minimum 2 Guest Lecture per semester per department are planned and organized. ○ Workshops inviting resource person from industries and institutes are organized periodically. Totally 19 workshops and 8 Seminar sessions are organized during the period. • Content beyond the syllabus with suitable titles provides enriched course content (Application of concepts / case studies for all courses) • Virtual lab sessions for laboratory courses are organized enriching student practical exposure. Simulation based experiments are
To adopt to enhanced approaches in teaching learning	<ul style="list-style-type: none"> • Training programmes (both internal and external) are organized periodically on various themes. 12 Internal sessions and 2 sessions inviting external experts are organized during the period. • ICT enabled approaches in Teaching learning practices are included in course plan structure. Course plan is verified for its adherence to set • Faculty enrichment initiatives are encouraged and credited for Best Department Award.

To promote research culture and ambience among faculty and students

- **Research Committee** plans and review the activities instilling research and development culture among students and staff members. Various initiatives are planned by the team to encourage R&D activities
 - 3 Faculty members received Doctoral degree.
 - Publication summary
 - Peer reviewed Journals : 24
 - Other Journals : 26
 - International Conferences : 39
 - National Conferences : 35
- 11 **proposals** are submitted seeking fund from various funding agencies.

Plan of action	Action Taken Report / Outcome
To strengthen student counselling system	<ul style="list-style-type: none"> • Mentoring System supports student progression and individual attention. Faculty advisor support to wards and motivations for progression was asserted • Mixed composition of advanced, average and slow learners was allotted to faculty members. Mentor will remain the same for the mentee during the study period for consistent followup and support. • Issues represented by students was recorded and suitable corrective, preventive measures are taken to meet student requirements. Overall report was briefed at Staff council meet. • Mentee progression is accounted in Best department award, motivated better performance by faculty advisors.
To strengthen internal assessment and evaluation process and review process	<ul style="list-style-type: none"> • Student progression is tracked through system of continuous assessment and review process. • Learning outcome attainment for the courses are identified. Departmentwise presentations are planned to review student progression. • Standard of Internal assessment question papers are tracked for its standard. Bloom taxonomy based level of assessment is practiced. Centralized evaluation and answerscripts verification ensured rigorous pattern of evaluation. • Course coverage is tracked before every assessment. • Coursewise Progression in assessment is reviewed department level. Result review meet is organized to identify corrective preventive action based on assessment results. Remedial classes are conducted to support slow learners.
To strengthen activities promoting student skill enrichment.	<ul style="list-style-type: none"> • Regular slot on class timetable for improving English Communication Skills was practised. Student centric activities to enrich student expertise was adopted. • Professional society activities are planned to inculcate department specific knowledge / skills to the students

Plan of action	Action Taken Report / Outcome
	<ul style="list-style-type: none"><li data-bbox="703 264 1401 338">• Spoken Tutorial workshops are organized to impart FOSS skills in association with IIT, Bombay.<li data-bbox="703 369 1401 443">• Plan of action & execution report for all Value addition initiatives are reviewed for its standard.

Annexure-II Best Practice I

Title of the Practice

Systematic approaches to strengthen Industry-Academia Interactions gaining wider exposure and knowledge among student and faculty members.

Goal

Industry Institute Interaction Cell (IIIC) of the institute takes various initiatives to promote closer interactions with industries and to establish linkages with Industries. Academia-Industry interactions is need of the hour. KCE has set a practice of mandatory visit to industries by both students and faculty members. It provides a platform to know about industry practices and expectations. Students visit industries during vacation period under In-House Training (IHT) scheme and Faculty members visit Industries under Faculty-Visit-To-Factory Scheme. With the objective of developing and refining skills, network with professionals in the field and gain valuable industrial experience, students are encouraged for internships.

The Context

Being rural located institution with diverse group of students varying in potential and committed to provide better career opportunities, various efforts are taken in to support student progression. Around 45-50% of students belong to first generation graduate group. With a commitment to raise the student skills and enhance their career opportunities, regular interactions with industries are initiated. Industry personnel are invited for various technical events. Faculty enrich their knowledge through FVFS and prepare students to meet its expectations. To overcome the listed challenges and to attain the objective, IIIC takes initiatives

- **Rural locate** of the institute and access to industries located at cities is strenuous
- Gap between **Curriculum & Industry expectations** and student potential is very wide.
- **Educational system** focuses on marks based evaluation
- **Scope for Industry-Academia interaction** is very less due to **governing policies & rules**
- **Global economy changes** resulting in less demands at Industries.

The Practice

- **Staff interaction with Industries**
 - **Faculty-Visit-To-Factory (FVFS):** To expose faculty members with industrial practices and expectations by means of “Training to the Trainer”, FVFS scheme is practiced. Faculty members visit various industries to acquire practical knowledge and upgrade to the recent trends adopted in the industries. Faculty members disseminate the knowledge gained during their visits and by appropriate mapping to course topics or content beyond syllabus component. FVFS schemes paves way for interactions with industrial personnel thereby linkages for academic support is established.
- **Student interaction with Industries**

Internship, In-Plant training (IPT), Industrial Visits (IV) : Industrial visits are important for student undergoing professional degree. IHT, IV and Internship are made mandated to give insight into industrial environment. 51 students have undergone internship during this period.

 - With an aim to go beyond academics, industrial visit provides students a practical perspective on the world of work. By these visits internal operations of the industries are exposed to students. Students are able to identify prospective areas of work at industries.

- To inculcate domain specific industrial experience, all pre-final year students are encouraged to undergo training for a period of 3-5 days under IHT scheme. Innovative Project works are initiated by the students through these visits. After the visit, students will share their experience during presentation session.
- Batchwise all round performer from every branch is sponsored for industrial visit abroad. An unique practice of the institution encourages advanced learner to be competent and triggers overall initiatives among the members.

Evidence of Success

- Industry Institute Interaction Cell strives to establish linkages with various industries and networked to support enrichment activities. Student placement record, Industrial interactions are in increasing trend. Various Technical Training Programmes organized inviting industrial experts.

Categorywise Industrial sectors in regular interaction (4 years)

Category	No. of Companies
Production & Manufacturing sectors	48
Service sectors	21
Communication sectors	10
IT sectors	15
Training sectors	11
Others	02
Total	107

Faculty-Visit-To-Factory Scheme summary

DEPT.	Yearwise No. of Industries visited				
	2018	2017	2016	2015	2014
Civil	11	15	11	10	09
CSE	10	11	10	14	06
ECE	11	15	14	11	09
EEE	06	11	11	09	07
IT	-	03	05	04	05
Mech	08	14	13	11	09
Total	46	69	64	59	45

Branchwise In-House Training (IHT) & Internship details (2017-18)

Branch	No. Of students	No. of Companies visited
CIVIL	114	15
CSE	55	10
ECE	91	16
EEE	51	07
MECH	121	19

- Technical Training sessions, Employability enhancement programmes, Project work expo are organized inviting industrial experts. Online tests are conducted for final year students in association with industrial linkages.
- Custom designed skill oriented courses in the name of “My Credit Course-MCC” is offered to all final year students, MCC course is aimed at enhancing the employability opportunities of the students. MCC is designed identifying industrial experience and through the interactions gained by faculty during FVFS.

Problems encountered and resources required

- Establishing linkages with Industries to support In-House Training initiatives.

Best Practice II

Title of the Practice

Systematic approaches towards student and staff skill enrichment & accomplishments supporting overall progression

Goal

- To motivate students and support them in overall grooming thereby become competent to face the world with confidence.
- To encourage staff members opportunities for career progression and professional accomplishments.
- To provide opportunities for various value addition initiatives and support services

The Context

Structured practices adopted at the institute incorporates activities extending students' education beyond their curriculum. With a commitment to provide opportunities for broadening their educational experience, activities are organized throughout at various stages. These activities are designed to cater the demands of the employers and higher education providers. Programmes help in attainment of students skills & knowledge, fostering a sense of confidence.

The Practice

Student potentials are identified at various stages. Yearwise, various opportunities are provided to the students fostering towards overall grooming. Course plan structure incorporating assignments & content beyond syllabus component for all courses, Mini-Project works, Refresher courses with suitable industrial expert involvement imparts industrial exposure to students in a systematic manner. Students were motivated and enriched through various opportunities created internally through value addition initiatives and encouraged to attend external programmes. Academic calendar includes slots for these activities. Action plan for these events are submitted during semester commencement and review is made on the progression.

Evidence of Success

1. Regular time-table incorporates the skill enhancement practices Project work, GATE & Competitive exam coaching, T&P training and MCC. Student Change Club meet is conducted regularly as per day order of the department. **Professional society activities** are conducted as per action plan semesterwise. Student feedback on the activity records effectiveness of the activities.
2. **Placement track record** of our institution is highly appreciable : 75 % of our 2018 batch students have been selected and placement offers were committed to these students. We are happy in creating opportunities for our final year students every year among the best industry players

3. **Best Department award** credits the accomplishments & activities of the department staff and students. Departments submit overall report of the department. Evaluation committee examines and identifies the best performer of the year. Department with highest score is awarded as Best Department during the Annual Day Celebrations. This practice instils a spirit of competition and triggers best accomplishments resulting in overall progression.

**Academic enrichment initiatives organized for students
(Internal Programmes)**

Programme organized	Number of events
Orientation Programme	3
Bridge course	6
Guest Lecture sessions	14
Workshop	20
Seminar	7
Symposium	5
National Conference	5
Spoken Tutorial workshops	17
Alumni Interaction Sessions	10
Professional Society Activities	10
My Credit Course (MCC)	7
Intra Department Paper Presentation	6
Mini-Project Expo	1
Project Expo	3
Alumni Interactions	10
Career guidance programme	2

**Programme attended by the students
(External Programmes)**

Programme	Number of participants
Workshop	161
Seminar	10
Paper presentation (Symposium)	49
Technical events (Symposium)	35
National Conference – Paper Publication	151
International Conference – Paper publication	38
Journal publication	3
Project contest	7
Awards, Prizes	15

Staff enrichment & accomplishments

Programme	Number of participants
FDP (AU & Universities) participation	8
FDP (Internal)	29
Workshop (External)	44
Workshop (Internal)	14
Seminar (External)	8
Seminar (Internal)	12
National Conference Paper publication	29
International Conference paper publication	49
Journal publication	66
Awards	1
Research proposals	8

Problems encountered and resources required

Conduct of programmes in align to hectic academic schedule was found difficult.