

Annual Quality Assurance Report (2016-2017)

Submitted to
National Assessment and Accreditation Council
Bangalore - 560 072



KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post, Coimbatore – 641 021, Tamil Nadu, India.

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The Annual Quality Assurance Report (AQAR) of the IQAC

(June 2016 to May 2017)

Part – A

I. Details of the Institution

1.1 Name of the Institution	Karpagam Academy of Higher Education
1.2 Address Line 1	Pollachi Main Road
Address Line 2	Eachanari Post
City/Town	Coimbatore
State	Tamil Nadu
Pin Code	641021
Institution e-mail address	info@karpagam.com
Contact Nos.	+91 422 6453777, 6471113-5
Name of the Head of the Institution	Dr. S. Sudalaimuthu
Tel. No. with STD Code:	0422 - 2980019
Mobile:	9442601377
Name of the IQAC Co-ordinator:	Dr. M. Palaniswamy

Mobile:

9894736777

IQAC e-mail address:

iqac@kahedu.edu.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

TNUNGN11411

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/16.1 dated Nov 16, 2015

1.5 Website address:

www.kahedu.edu.in

Web-link of the AQAR:

www.kahedu.edu.in/IQAC/AQAR16-17.pdf

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.10	2015	5 Years
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

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

11/01/2016

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

2016-2017

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

- AQAR 2015-16 31-10-2016 (DD/MM/YYYY)
- AQAR _____ (DD/MM/YYYY)
- AQAR _____ (DD/MM/YYYY)
- AQAR _____ (DD/MM/YYYY)

1.10 Institutional Status

University State ☐ Central ☐ Deemed ☒ Private ☐

Affiliated College Yes ☐ No ☒

Constituent College Yes ☐ No ☒

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☒ No ☐

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

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

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

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

1.11 Type of Faculty/Programme

Arts ☒ Science ☒ Commerce ☒

Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☒

Health Science ☐ Management ☒

Others (Specify)

Architecture and Pharmacy

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 with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2. 6 No. of any other stakeholders and
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

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

Non-Teaching Staff Students Alumni Others

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

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos International National State
Institution Level

(ii) Themes

- 1) Roles of IQAC and Quality Metrics in Higher Educational Institutions.
- 2) Examination Reforms and Mechanism of setting Question papers

2.14 Significant Activities and contributions made by IQAC

- One day seminar on “Roles of IQAC and Quality Metrics in HEIs” was organized for the faculty members on 12-9-2016.
- A Workshop on Examination Reforms and Mechanics of Setting Question Papers was organised by the IQAC in association with the Examination Section on 21st January 2017.
- The IQAC has coordinated with the Commerce Department to organise a one day programme on “Implications of GST” for the benefit of the nearby industries and faculty members on 30th April 2017.
- The Annual Quality Assurance Report (AQAR) for the year 2015-16 was submitted to NAAC on 31-10-’16 and the same was hosted in the Institution Website.
- In order to enhance the quality of the existing feedback system, the IQAC has formulated a system for collecting and analysing the feedback from the Alumni, Parents and the Students uniformly across the KAHE.
- The IQAC has taken the initiative to reconstitute various Committees and Cells and set out a mechanism for holding the meetings with their members to monitor and improve their performance at specified intervals.
- The IQAC has co-ordinated with the Clubs to enhance their performance.

- The guidelines for executing the MoUs were framed and their effectiveness is monitored by periodic reviews.
- The peer reviewed and reputed journals were listed subject wise and forwarded to UGC for uploading in the Website.
- The IQAC has taken up the periodic verification of the documents which are maintained by the departments to ensure that they are updated and the data are authentic and accurate.
- In coordination with the departments, the IQAC has uploaded the data for NIRF '17 and AISHE in the MHRD's Website.
- The IQAC has taken the initiative for establishing two Centres, one for the Competitive Examinations and the other one for the Skill Development.
- For evaluating the academic performance of the faculty members, the IQAC has adopted the Academic Performance Indicators (API) of UGC as the basic criteria.

2.15 Plan of Action by IQAC/Outcome

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

S.No	Plan	Outcome
1	To reconstitute the existing Committees and Cells and review their scope of the work.	The existing Committees and Cells were re-constituted. The objectives, functions / responsibilities and mechanism for periodic meetings were well defined to enhance the performance of the Committees and Cells.
2	To enhance the effectiveness of the existing feedback system	The templates for collecting the feedback for getting the feedback from Alumni, Parents and Students were standardised and the procedure for analysis and reporting was established.

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

2.15 Whether the AQAR was placed in the statutory body Yes ☒ No ☐

Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken

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	22	-	22	-
PG	18	-	18	-
UG	38	8	38	
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	1	1	1	-
Others (M.Phil)	12	-	12	-
Total	91	9	91	

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

All the programmes have been offered under the CBCS Curriculum.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	56
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni ☒ Parents ☒

Employers ☒ Students ☒

(On all aspects)

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

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

Annexure II is attached at the end.

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

The salient aspects of the changes made are given programme wise in the following table:

Programme	Major Changes	Minor Changes	Others
B.A (English)	In 2 Courses, Curriculum was restructured and in another 2 Courses, Curriculum was revised	-	-
B.Sc. (Maths)	-	In 7 courses , topics were interchanged between the units and in one course a few topics were removed,	-
B.Sc. (Physics)	-	In 2 courses, a few topics on basics were removed and in another 2 courses, repeated topics were removed.	-
M.Sc. (Physics)	-	In 2 courses, two topics (one in each course) were removed.	-
B.Sc. (Chemistry)	One self study course was added	-	-
M.Sc. (Chemistry)	One self study course was added	-	-
B.Sc. (Biochemistry)	One course was replaced with another course	In one course, one topic was added and one topic was removed.	-
M.Sc.	One course underwent	In 7 courses, minor changes like deletion and shifting of	-

(Biochemistry	major changes	topics have been made.	
B.Sc. (Biotechnology)	-	In 3 Courses, 5 topics were added and in one course, 2 topics were removed.	In 5 courses, a few terminologies were renamed.
M.Sc. (Biotechnology)	-	In 4 Courses, 6 topics were added and in 2 courses, 2 topics were removed	In 2 courses, a few terminologies were renamed.
Commerce	-	In 5 courses, a new topic on GST was added.	-
B.E (ECE)	-	3 course oriented projects (each carrying one credit) were included	-
B.E (EEE)	i) One course was split into 2 courses and one core course was changed as an elective course ii) One course was shifted from one semester to the other.	i) 4 course oriented projects (each carrying one credit) were included ii) Minor changes were made in the contents of one course. .	-
B.E (CSE)	One core course and 2 professional electives were included.	3 course oriented projects (each carrying one credit) were included	Name of a course was changed
B.E (Mechanical)	-	4 course oriented projects (each carrying one credit) were included In one course, one new Unit was added.	i) In 2 courses, the name of a unit in each course was changed. ii) The names of the two courses were changed.
B.E (Automobile)	One new course was added	3 course oriented projects were included	-
B.Tech (Aerospace)	The syllabi of 24 courses were modified and 12 new	-	In 3 courses, references were

	courses were added.		added.
B.E (Civil)	i) 2 Choice Based courses and 2 software laboratory courses were added. ii) 12 nos. of professional electives were included. iii) 2 courses were combined into a single course.	-	-
B.Tech (Biotech)	-	i) In 19 courses, changes like rearrangement, swapping, inclusion and omission of topics were made. ii) In 6 courses, a few topics were elaborated.	-
B. Arch.	One theory and one practical course were added.	In 2 courses, new topics were added.	-
M. Arch.	-	In 3 courses, new topics were added.	-

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

- 1) Centre for Competitive Examinations
- 2) Centre for Skill Development

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
333	270	32	23	8

2.2 No. of permanent faculty with Ph.D.

97

Asst.	Associate	Professors	Others	Total
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2.3 No. of Faculty Positions
Recruited (R) and Vacant (V)
during the year

Professors		Professors							
R	V	R	V	R	V	R	V	R	V
92	12	5	4	2	3	0	0	99	17

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	18	25
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	6	157	4
Presented papers	66	94	0
Resource Persons	3	4	3

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

Various innovative processes are adopted by the departments in teaching and learning:

- The e-content material for all the theory courses offered are prepared and uploaded in the KAHE server.
- In the Department of English, the students are asked to submit the assignments in the charts and make a brief presentation in the class.
- In the Department of Mathematics, Mathematical Models are used to teach the students to understand the basic concepts of Mathematics and its Applications.
- In the Department of Biochemistry, problem based learning and practical learning are practised.
- Videos and animated movies are shown for specific topics for the better understanding in the Department of Biotechnology.
- In the Microbiology Department, recent research articles are discussed in the class room.
- Seminars and case studies are used as the means for teaching in the Departments of Management and Commerce.
- In the Department of Mechanical Engineering 60 % of the lectures are delivered through ICT
- In the Department of Electrical and Electronics Engineering, hands on training are provided on the specific topics to impart practical knowledge. Industrial visits are also arranged to enable the students to understand the theory in a better way.
- Puzzle Learning, Peer Learning, Cryptographic learning, Working Model Preparation, Video Lectures, Mind mapping, Adzap and Group learning are the different methods used in the Department of B.Tech (Biotech).

- In the Faculty of Architecture, the students make models, explore the new ways of the design process and learn through interactions and discussions.
- The Faculty of Pharmacy practises horizontal integration in teaching and inter professional education

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

180

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

03

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

14

78

50

2.10 Average percentage of the attendance of students

86.2

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.A (English)	24	16.67	70.83	12.50	-	100.00
B. Sc. (Mathematics)	66	25.76	68.18	6.06	-	100.00
M. Sc. (Mathematics)	17	35.30	58.82	5.88	-	100.00
B. Sc. (Physics)	46	19.56	71.43	6.53	-	97.52
B. Sc. (Chemistry)	81	47.50	47.50	5.00	-	100.00
M. Sc. (Chemistry)	8	63.00	37.00	-	-	100.00
B. Sc. (Biochemistry)	16	37.50	56.25	6.25	-	100.00
B. Sc. (Biotech)	37	21.63	67.56	10.81	-	100.00
B. Sc. (Microbiology)	30	23.34	70.00	6.66	-	100.00
M.Sc. (Microbiology)	4	100.00	-	-	-	100.00
B. Sc. (ECS)	42	19.04	61.90	16.66	-	97.60
M. Sc. (ECS)	3	-	66.67	33.33	-	100.00
B. Sc. (CS)	76	11.50	64.20	24.30	-	100.00
B. Sc. (IT)	51	14.81	75.93	3.70	-	94.44

B. Sc. (CT)	12	17.00	33.00	33.00	-	83.00
M. Sc. (CS)	15	26.70	46.60	26.70	-	100.00
BCA	91	13.19	61.54	21.98	-	96.71
MCA	28	28.57	71.43	-	-	100.00
BBA	22	31.82	54.54	13.64	-	100.00
MBA	57	8.77	63.16	28.07	-	100.00
B.Com.	39	10.26	71.79	10.26	-	92.31
B.Com. (CA)	168	6.55	55.36	36.31	-	98.22
B.Com. (PA)	21	42.86	47.62	9.52	-	100.00
M.Com.	35	20.00	60.00	20.00	-	100.00
BE (ECE)	51	7.84	62.74	17.64	-	88.22
BE (EEE)	27	3.70	37.03	40.74	-	81.47
B.E (CSE)	59	13.56	61.01	13.56	-	88.13
B.E (Mechanical Engineering)	167	1.20	51.50	16.76	-	69.46
B.E (Automobile Engineering)	42	-	62.33	17.76	-	80.09
B.E(Aeronautical Engineering)	14	-	57.14	28.57	-	85.71
B.E (Civil Engineering)	85	1.17	49.41	22.35	-	72.93
B.Tech (Biotechnology)	14	28.57	64.29	-	-	92.86
B. Arch	46	-	85.00	-	-	85.00
M. Arch	8	13.00	37.50	37.50	-	88.00

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

- The IQAC is monitoring the various teaching methods used by the departments during the performance review and wherever required, it also demands the new application methods in teaching.
- The mechanism for collecting and analysing the feedback from the students were standardised across the KAHE by this the departments can identify the scope for improvement in teaching and learning processes.
- The IQAC suggested to the Faculty of Engineering to initiate the implementation of the concept “Conceive, Design, Implement and Operate (CDIO)” framework which is being implemented globally to improve the employability of the students.

2.13 Initiatives undertaken towards the faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	1

HRD programmes	-
Orientation programmes	-
Faculty exchange programme	Nil
Staff training conducted by the university	331
Staff training conducted by other institutions	11
Summer / Winter schools, Workshops, etc.	90
Others	14

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	66	-	-	-
Technical Staff	110	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

- Publication of articles only in the journals that are indexed in the international data bases are emphasised on continuous basis.
- Monthly review of the progress of the research works of the research scholars.
- Dissemination of information related to the research and funded projects.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	3	-	22
Outlay in Rs. Lakhs	58	59.67	-	554.54

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	4
Outlay in Rs. Lakhs	-	-	-	1.05

3.4 Details on research publications

	International	National	Others
Peer Review Journals	399	33	12
Non-Peer Review Journals	1	0	6
e-Journals	46	0	0
Conference proceedings	7	0	0

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	3 Years	DST SERB, TNSCST, ICMR, MNRE	Rs 93.97 Lakhs	Rs 44.92 Lakhs
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	Rs 93.97 Lakhs	Rs 44.92 Lakhs

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/fund

3.9 For colleges

Autonomy CPE DBT Star Scheme
INSPIRE CE Any other (specify)

3.10 Revenue generated through consultancy

Rs 61,39,923

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	27	1	2	0
Sponsoring agencies	ERASMUS	KAHE, SERB&DBT, IASC-INSANA-SI, M/s Foray life care, Science Academic Panel, DST SERB, IIPS & CSI.	KAHE	KAHE	Nil

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

28 11 31

3.13 No. of collaborations

International National Any other

3.14 No. of linkages created during this year

19

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	11
	Granted	11
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	02
	Granted	02

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
12	6	4	1	Nil	Nil	1

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

122

403

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

125

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

JRF 9 SRF 1 Project Fellows 1 Any other -

3.21 No. of students Participated in NSS events:

University level 696 State level -

National level - International level -

3.22 No. of students participated in NCC events:

University level 3 State level -

National level 18 International level -

3.23 No. of Awards won in NSS:

University level - State level -

National level - International level -

3.24 No. of Awards won in NCC:

University level	<input type="text" value="1"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="3"/>	International level	<input type="text" value="-"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="19"/>	College forum	<input type="text" value="-"/>
NCC	<input type="text" value="3"/>	NSS	<input type="text" value="12"/>
		Any other	<input type="text" value="-"/>

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

I. Extension Activities:

- The Literary Association Club conducted a training programme to the nearby school students on “Developing Basic English Grammar”.
- Aero Club conducted demonstrations on Aero Modelling to the students of 4 schools located in the outskirts of Coimbatore.
- An awareness program on “Internet of Things (IoT)” was organised by the Department of Computer Science for the School Headmasters and Teachers.
- Theory and Practical sessions on Basics of Automobile Engineering were organised for Higher Secondary School Students by the Department of Automobile Engineering.
- The Department of Computer Science Engineering organised an awareness program on “Cloud Services” to the school teachers.

II. Institutional Social Responsibility

The following programmes/events were organised by the departments and other bodies of the KAHE for the nearby community:

- Two Blood Donation Camps.
- Case study on Health & Environmental issues and mobility pattern of the slum areas.
- Social awareness on Clean Environment through Skid performance by the students.
- Women Empowerment through Smart Phone applications
- Awareness on “ Non Communicable Diseases” and an exhibition on “ Healthy Foods ”
- Awareness on “ Environmental Pollution and Control Measures”
- Awareness on “ Consumer Protection and Rights”
- Rally to create an awareness on “Energy Conservation”
- Rally to create an awareness on “Breast Cancer”
- Rally to create an awareness on “ Ill effects of Tobacco Usage ” in commemoration with “No Tobacco Day”

- Planting tree saplings
- Awareness on “Demonetisation and Cashless Transaction” in a nearby village
- Support for implementation of VISAKA for the traders in 4 villages.
- Camp on “Health and Hygiene” for school students.

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	26 acres	-	-	26 acres
Class rooms	155	8	Institute	163
Laboratories	114	1	Institute	115
Seminar Halls	10	0	Institute	10
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	60	2	Institute	62
Value of the equipment purchased during the year (Rs. in lakhs)	214.88	4.67	Institute	219.55
Others (Rs. in lakhs)	0.80	0.66	Institute	1.46

4.2 Computerization of administration and library

- The Library is fully computerized and the entire gamut of operations such as acquisition, cataloguing and circulation are automated. Issue and return transactions are carried out using bar code technology.
- The traditional catalogue cards are replaced by OPAC (Online Public Access Catalogue) which helps the users in getting information about the availability of books through a number of access points such as by author, title or part of a title and accession number.
- Wi-Fi connectivity and Network printing facilities are available in the library.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Rs)	No.	Value (Rs)	No.	Value (Rs)
Text Books	62778	1,70,05,315.00	6898	38,74,853.00	69676	2,08,80,168
Reference Books	7779	46,67,423.00	239	1,04,986.00	8018	47,72,409.00
e-Books	10170 (677 Categori	----	----	----	10170 (677 Categori	----

	es)				es)	
Journals	201	2,36,372.00	14	13,190.00	215	2,37,562.00
e-Journals	06	10,24,154.00	----	----	06	10,24,154.00
Digital Database	06	10,24,154.00	----	----	06	10,24,154.00
CD & Video	----	----	----	----	3769	----
Others (specify)						
Book Bank Library	14755	40,51,546.00	3559	11,72,727.00	18314	52,24,273.00

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1493	18	NKN & Airtel 45 Mbps	1	-	15 (Node)	273 (Node)	-
Added	78	10	-	0	-	7 (Node)	-	-
Total	1571	28	-	1	-	22 (Node)	273 (Node)	-

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

- The configuration of the computers that were added newly is: Core i5, Asus MB, 16GBs, 1TB, 22” Monitor, USB KB & Mouse.
- Other up gradations made are:
- Antivirus software K7 Enterprise Endpoint = 500 Users
- Camera - Camera CCTV Hikvision= 114 Nos
- Wifi - Aruba 1AP-103 Access Point = 68 Nos

4.6 Amount spent on maintenance in lakhs:

i) ICT	24.00
ii) Campus Infrastructure and facilities	106.79
iii) Equipments	0.1
iv) Others	0
Total:	130.89

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- During the induction programme for the first year students, it was ensured that they are informed about the following support services available in the Institute.
 - Value Added / Certificate Courses
 - Library & Book bank scheme for Engineering students
 - Sports, Gymnasium and Yoga
 - Skill Trainings
 - National Cadet Corps (NCC)
 - National Social Service (NSS)
 - Entrepreneurship Development
 - Placement and Training
 - Coaching for competitive exams
 - Counseling
 - Club Activities
 - Medical facilities
 - Canteens
 - Fee concession to Sports students
 - Group Insurance
 - Alumni activities
 - Transport facility
 - Stationary Store with Photostat Copying and binding facilities
 - Bank and ATM Counters
- IQAC has drafted a brochure titled “Student Support Services” for the benefit of the students to make them aware and avail the various support services offered by the Institute

5.2 Efforts made by the institution for tracking the progression

- Alumni Association collects the data directly from the Alumni through e-mail.
- The Alumni Coordinators in the departments are in touch with the Alumni through social medias and their which their status is found by it.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
5353	446	409	14

(b) No. of students outside the state

454

(c) No. of international students

11

No	%
3999	64.3

Men

No	%
2223	35.7

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1167	375	15	4089	4	5646	2007	416	27	3761	2	6211

Demand ratio

1.77

Dropout

2.82

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

In the year, a Centre for Competitive Examinations was established. The Centre has organised a training program for Civil Service Examination.

The following are the other programmes conducted for preparing the students for the other competitive examinations:

- Coaching for IBPS examinations
- Training for NET/SET
- Awareness seminar on IELTS/TOFEL
- Orientation program for Civil Service Examinations
- Coaching for CAT/MAT

No. of student beneficiaries

252

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

- The Institute has employed a professionally qualified Counsellor for providing the student, counselling and career guidance. In the Academic year 2016-2017, totally 41 group counsellings have been conducted and in that 1804 students were benefited. Group counselling was focused on Health Problems, behaviour with elders, behaviour with opposite gender, ethics, drinking habits and cell phone usage etc.,

Also individual need based counselling for 150 students have been given for the lack of interest in studies, interpersonal issues and health problems etc., As a part of counselling the career guidance was also provided and students were motivated to opt for civil services and other competitive examinations.

No. of students benefited

1978

- On regular basis, counselling is given in the class rooms by the mentors and faculty members. The student welfare committee and the student discipline committee was appointed to provide need based counselling.

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
39	2408	881	113

5.8 Details of gender sensitization programmes

Gender Sensitization Cell was established in the Institution. On 28th January 2017, the Cell has organised a special lecture on Culture Studies, Art and Communication for the benefit of students and faculty members. The lecture was delivered by Ms. Aiste Urboniene from Vilnius University, Lithuania.

An initiative was taken in association with Joint Director of Medical and Rural Health Services, Coimbatore to implant the seed of “Social Awareness” among the students and society through short films and poster presentation contests on 31st March 2017.

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	31	Rs. 6,30,700
Financial support from government	26	Rs. 2,60,500
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 Statement:

The Karpagam Academy of Higher Education shall instill originality in the learning minds, impart quality and value based education and engage in Research and Development with the noble objective of creating unique men and women to serve and lead the society.

Mission Statement:

- To motivate the students to acquire skills and develop creativity with an innovative attitude.
- To achieve perfection in entirety in every activity.
- To empower rural and disadvantaged section for the upliftment.
- To invent products useful to the society in the healthcare sector.
- To impart value based education in order to shape the student into a responsible citizen.

6.2 Does the Institution has a management Information System

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

6.3.1 Curriculum Development

- Establishment of Curriculum development Cell (CDC)
- Implementation of CBCS in totality
- Implementation of changes based on the feedback from the stakeholders
- Inclusion of latest developments in the respective domains (e.g. IOT, GST)
- Bench marking with the syllabus of the reputed Universities.

6.3.2 Teaching and Learning

- Use of MOODLE platform
- Participatory Learning
- Activity based learning
- Application of NPTEL video lectures
- Development of e-content.
- ICT enabled teaching
- Group assignments and seminars
- Industrial/Institutional/ Field visits.
- Student Feedback analysis
- Summer Internship programmes
- Short term training courses

6.3.3 Examination and Evaluation

- Correlation between Internal and End Semester Examination marks
- Remedial classes for the weak students
- Continuous Internal Assessments.

- Online Multiple Choice Question (MCQ) pattern as a part of both Internal and End Semester Examinations
- Unit test, presentation of articles, case study analysis, lab assessments, comprehensive viva voce
- Two sets of question papers for CIA tests which are scrutinized by the subject mentor and respective heads.
- Model examination before the End Semester Examination for slow learners.

6.3.4 Research and Development

- Direct review of publication of articles (of the faculty members) by the senior authorities.
- Emphasis on the need for publication in the Indexed Journals
- Creating an environment to focus on research activities
- Monthly review with the Research Scholars
- Need based lectures were arranged on the following topics:
 - Writing a research article
 - Ethics in writing research articles
 - Preparation of project proposals
- Time line presentation and Annual research congress were conducted to review the progress of the research work of the scholars.
- Research oriented problems were given to UG and PG students as their projects.

6.3.5 Library, ICT and physical infrastructure / instrumentation

ICT: Smart Boards were made available to the Faculty of Engineering and used extensively.

Physical Infrastructure: Need based infrastructure was established.

Instrumentation: Instruments were procured based on the student strength.

6.3.6 Human Resource Management

- The departments of the allied disciplines have been integrated for optimising the use of the expertise available.
- Training programmes for the non teaching staff.
- Weightage for the publication of articles in the indexed journals.
- Weightage for the additional responsibilities shouldered by the faculty members.

6.3.7 Faculty and Staff recruitment

6.3.8 Industry Interaction / Collaboration

- Providing Skill Development Programmes to the students through industry associations.
- Participation in the Industrial Exhibitions.
- Focus on collaborations with the industries for knowledge sharing and consultancy.
- Instilling interest in the students' minds towards the entrepreneurship.
- Certificate/ Short Term courses supported by the industries.

- Augmentation of the activities of University Industry Interaction Cell (UIIC).

6.3.9 Admission of Students

6.4 Welfare schemes for

Teaching	Group Insurance Scheme, Personal Accident Insurance, Free Health Check up, Free treatment at Karpagam Faculty of Medical Sciences and Research (KFMSR) hospital, Transport facility, Gratuity, Contributory Provident Fund and Funds for minor research projects,.
Non teaching	Group Insurance Scheme, Personal Accident Insurance, Free Health Check up, Free treatment at KFMSR Hospital, Transport facility, Gratuity and Contributory Provident Fund.
Students	Free Master health check up, Free treatment at KFMSR Hospital and Fees concession for UG, PG and Ph.D scholars.

6.5 Total corpus fund generated

Rs 11,50,000

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	Academic Experts	Yes	HoDs
Administrative	Yes	Experts	Yes	HoDs

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

For UG Programmes

Yes

☒

No

☐

For PG Programmes

Yes

☒

No

☐

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

IQAC organized a one day Programme on “Examination Reforms and Mechanics of Setting Question Papers” on 21st January 2017 in association with Examination Cell.

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

Not Applicable

6.11 Activities and support from the Alumni Association

- Alumni Association collects the feedback from the Alumni during the Convocation and the alumni meetings. In order to gear up the activities, it was decided to have the Committee meeting once in a month and 4 such meetings were held after that Annual meeting of the Alumni “Alumni Meet 2017” was conducted in April 2017.
- For the benefit of the final year students, it was decided to organise motivational talks by the Alumni in all the disciplines.
- The Alumni have contributed a sum of Rs. 40, 47, 000/- to the KAHE in the academic year 2016-17.

6.12 Activities and support from the Parent – Teacher Association

- Meeting with the parents was organised and the feedback received were analysed for further action. The respective departments took initiative for meeting the parents.

6.13 Development programmes for the supporting staff

The following programmes were conducted for the supporting staff:

- Maintenance of stores and laboratories.
- Workshop on improving the Listening, Speaking, Reading and Writing skills.
- Workshop on “Engine Systems (Engine dismantling and Assembling)”.
- Quality improvement programmes.
- Yoga Classes.

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

- Reuse of waste water after treating through the Sewage Treatment Plant.
- Installation of 1kW Solar panel.
- Planting Trees and Medicinal plants
- Measures for economic usage of chemicals in the laboratory.
- Disposal of hazardous chemicals used in the laboratory as per the regulations.
- Celebration of various National/International days (25).

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.

Best Practice

1. Title of the Practice

Conducting Coaching Classes for those students who have failed in the End Semester Examinations (ESE).

2. Objectives

To facilitate the students those who are unable to pass the ESE to get pass marks in the subsequent examination itself.

To ensure that all students are successfully completing their graduation within the stipulated period.

3. Context

The aim of the teaching process is to enable all the students in a class to get pass marks in all the courses in the very first attempt itself. But unfortunately it is not happening in the case of a few students.

In the next semester, they find it difficult to recall or revise the courses of the previous semester as they have to focus on the current courses.

KAHE takes the moral responsibility to support the students to come out of this situation through special coaching classes..

4. The Practice

After the publication of the results of the ESE, the list of students those who have failed and the schedule for conducting the coaching classes are prepared course wise and sent for approval to the authorities concerned. After getting the approval, coaching classes are conducted in the following manner:

- ❖ Coaching classes are arranged after regular class hours by the respective faculty.
- ❖ After completion of the syllabus, questions from previous ESE are discussed.
- ❖ A model test is conducted and Question bank (with answers) is also provided to the students to prepare for their exams.
- ❖ The arrear Examination is conducted ahead of the next ESE.

5. Evidence of Success

Around 70% to 80% of the students who have attended coaching classes are able to successfully clear their standing arrear examination.

It maximizes the number of Graduates coming out successfully and also provides an opportunity for them to grasp placement offer(s).

6. Problems encountered and resources required

The students who are economically backward and opt for part time job in the evening find it difficult to attend the classes.

The resources required are class rooms, labs and faculty members which are available at the institution

7. Concluding remarks

The students find this process as an effective one to enable them to successfully clear their examinations. The personal attention of the faculty boosts their confidence level to face the examination.

Since they complete their arrears exams ahead, they are able to focus on their current semester examinations and successfully complete their graduation within the stipulated period

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	Achievements
To offer new degree programme, B. Com. in Business Processing Services (BPS) in association with Tata Consultancy Services (BPS Division) and B.Voc. program on Radiology and Imaging Technology; Physician assistant; Medical laboratory technology under the Faculty of Arts, Science and Humanities.	The Institute started offering B.Com. in Business Process Services, B.Voc. Programmes on i) Radiology and Imaging Technology ii) Physician Assistant and iii) Medical Laboratory Technology under the Faculty of Arts, Science and Humanities from the academic year 2016-2017
To offer three new B. Tech Programs, B. Tech (Chemical Engineering), B. Tech (Petroleum Engineering) and B. Tech (Bio-Medical Engineering) under the Faculty of Engineering.	B.Tech (Chemical Engineering) and B.Tech (Bio Medical Engineering) are offered from the academic year 2016-2017 under the Faculty of Engineering.
To organize an orientation program to non-teaching staff in drafting, reporting and record maintenance.	The training needs of the Non-teaching staff were identified as follows : 1.Communication skills (writing) 2.Computer operation (MS Office) 3.Documentation & Filing system The resource persons for the above training were also identified and it was planned to conduct the programmes in June 2017.
To organize regular interactive sessions for the teaching staff on CBCS and IQAC with the external experts.	One day programme on Role of IQAC and Quality Metrics in Higher Education was organised on 12 th September 2016.
To have the academic collaborations with minimum five companies.	Totally 17 Academic collaborations have been made in the academic year 2016-

	2017.
Celebrations on various National and International days.	In total 27 National / International days were identified for celebration and events were organised by the respective Departments which were given responsibility for organising the events.
Inclusion of yoga classes for all students.	In Electronics and Communication Engineering and Computer Science Engineering, yoga was included as a value added course. Yoga was taught to the interested students of all the faculty by the Yoga teacher appointed on full time basis.
Swatch Bharat.	The NSS of the KAHE has organised a village cleaning camp in the nearby village on 2nd October 2016, a three day Swatch Bharat Pakhwada campaign in three villages from 26 th to 28 th January 2017 was also organised. Inside the campus, cleaning activity is taken up by the NSS at regular intervals.

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

1. Conducting Coaching Classes to the students with arrears in the End Semester Examination.
2. Providing “On the Job Training (OJT)” to the third year Engineering Students.

****Provide the details in annexure (annexure need to be numbered as i, ii, iii)***

7.4 Contribution to environmental awareness / protection

The following contributions were made to environmental awareness/protection through the proactive initiatives by the departments across the KAHE both within and outside the campus:

1. Inside the campus

Awareness is promoted through

- Assignments related to environmental problems.
- Guest lectures on topics like Save Water, Save Earth, Bio fertilisers in Organic Farming, Energy Management and Electrical Energy Conservation
- Workshops on How to reduce the use of chemicals in the laboratory, Reuse of Newspaper/Waste paper

- Advice and motivation to use only reusable bags and containers and electronic mode of communication.
- Organising “Go Green” programme.
- Distribution of tree saplings to all the participants of a national level technical symposium.
- Plantation of tree saplings in the nearby villages.

7.5 Whether environmental audit was conducted?

Yes

☒

No

☐

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

KAHE was placed in the 90th rank under the category of “Overall Universities” by NIRF’17, MHRD.

Scimago research placed KAHE in 651st rank in 2017.

8. Plans of institution for next year

1. To organize at least two International Conferences and one National / Regional Conference under each faculty.
2. To file at least ten patents during the year 2017-18.
3. To ensure that the average publication per faculty is two in the Peer Reviewed Journals.
4. To organize three Faculty Development Programmes to the teachers of Faculty of Arts, Science and Humanities / Faculty of Engineering during the odd semester and even semester vacation.
5. To construct a new block for Faculty of Architecture.

Name Dr. M. Palani Swamy

Name Dr. S. Sudalaimuthu





Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

The Director
IQAC
Karpagam Academy of Higher Education
Coimbatore - 641 021.

VICE- CHANCELLOR
Karpagam Academy of Higher Education
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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
KAHE	-	Karpagam Academy of Higher 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

Annexure II to AQAR 2016-17

Analysis of the feedback received

The feedbacks have been received from the stakeholders on Course, Teaching, Infrastructure and others. Both online and manual modes were deployed to receive the feedback.

The feedback received were reviewed and analysed by the departments and necessary action were taken.

The following is the summary of the analysis:

- Totally 88 feedbacks were received on the course related aspects and actions have been taken for the 68 issues. The actions are under progress for the 13 feedbacks. For the remaining 7 actions are yet to be taken.
- For the teaching related aspects, 43 number of feedbacks were received. Out of 43, action for 19 feedbacks, were completed and for 19 suggestions, the actions are under progress. Actions are yet to be taken for the remaining 5 recommendations.
- Out of 17 feedbacks received, the infrastructure related points, the actions were completed for feedbacks. Actions were initiated for the remaining 8.
- 18 number of feedbacks were received on the aspects other than the Course, Teaching and Infrastructure. Out of 18, actions for the 9 feedbacks were completed and for the 5, the actions are under progress. Actions are yet to be taken for the 4 remaining feedbacks.
